

Undergraduate Catalog

2015 - 2016

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Undergraduate Catalog

Georgia Southern University

Statesboro, Georgia 30460

General Information: (912) 478-5611

World Wide Web: <http://www.georgiasouthern.edu/>

Georgia Southern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, masters, specialists and doctorate degrees. Contact the Commission on Colleges at:

1866 Southern Lane
Decatur, Georgia 30033-4097

or call 404-679-4500 (<http://www.sacscoc.org>) for questions about the accreditation of Georgia Southern University.

Normal inquiries about the institution, such as admission requirements, financial aid, educational programs, etc. should be addressed directly to the institution and not to the Commission's office. The Commission should be contacted only if there is evidence that appears to support an institution's significant non-compliance with a requirement or standard.

How to Use This Catalog

The Georgia Southern University General Catalog is an information book and reference guide dealing with different aspects of the University - its policies, facilities, degree programs, course offerings, services, and faculty.

The statements set forth in this catalog are for information purposes only and should not be construed as the basis of a contract between the student and this institution.

While the provisions of the catalog will ordinarily be applied as stated, Georgia Southern University reserves the right to change any provision listed in this catalog, including but not limited to academic requirements for graduation, without actual notice to individual students. Every effort will be made to keep students advised of such changes. Information on changes will be available in the Office of the Registrar. It is especially important for each student to note that it is his/her responsibility to keep himself/herself apprised of current graduation requirements for his/her particular degree program.

If you have suggestions for improving this *Catalog*, please contact us at (912) 478-8043.

Equal Opportunity Policy Statement

It continues to be the policy of Georgia Southern University to implement affirmative action and equal opportunity to all employees, students, and applicants for employment or admission without regard to race, color, gender, sexual orientation, gender identity or expression, national origin, religion, age, veteran status, political affiliation, or disability. This policy extends to participation in any of Georgia Southern's programs. Questions regarding this policy of nondiscrimination should be directed to the

Director of EEO and Title IX
P.O. Box 8035
Statesboro, GA 30460-8035

(912) 478-5136

Accommodations for Individuals With Disabilities

In compliance with the Americans with Disabilities Act (ADA), Georgia Southern University will honor requests for reasonable accommodations made by individuals with disabilities. Students must self disclose any disability for which an accommodation is being sought to the Student Disability Resource Center (SDRC) before academic or other accommodations can be implemented. For additional information, please call the Director of EEO and Title IX at (912) 478-5136, TDD (912) 478-0273, or the SDRC Director at (912) 478-1566, TDD (912) 478-0666. The TDD phone numbers are intended for individuals with hearing impairments.

Student Notification Policy

All Georgia Southern University students are provided with an e-mail address within 24 hours of student registration. **E-mail addresses are the official means of communications between the University and the student.** It is the student's responsibility to check his/her e-mail each school day for administrative messages. There is no justifiable excuse for failure to respond to a University communication or failure to act on a University communication in a timely manner.

The statements set forth in this Catalog are for information purposes only and should not be construed as the basis of a contract between the students and this institution. While the provisions of this Catalog will ordinarily be applied as stated, Georgia Southern University reserves the right to change any provision listed herein, including but not limited to academic requirements for graduation, without actual notice to individual students. Every effort will be made to keep students advised of such changes. Information on changes will be available in the Office of the Registrar. Ultimately, each student is responsible for keeping himself or herself apprised of current graduation requirements in his or her particular degree program. While academic advisors should be consulted regularly, students are responsible for the completion of their chosen degree programs.

University Calendars

Note: Though the University will try to adhere to dates published here, it may become necessary to make changes to the published calendar. The Office of the Registrar will maintain updates to the calendar and any updates may be viewed on our web site, <http://em.georgiasouthern.edu/registrar/resources/calendars>.

Fall Semester 2015

April 1	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Registration begins for Fall 2015 Full, Short I, and Short II sessions
April 1	Final deadline for EdD Educational Leadership applicants for Fall 2015 admission
April 1	Priority deadline for freshman students to apply for Fall 2015 admission
April 1	Final deadline for undergraduate students to apply for Summer 2015 admission
May 1	Final deadline for freshman students to apply for Fall 2015 admission
June 1	Final deadline for international graduate students to apply for Fall 2015 admission
July 1	Final deadline for domestic graduate students to apply for Fall 2015 admission
July 1	Final deadline MEd Higher Education Administration applicants for Fall 2015 admission
July 31	Final deadline for WebMBA (Web Master Business Administration) applicants for Fall 2015 admission
August 1	Final deadline for transfer, transient, post-baccalaureate, Accel, and mature students to apply for Fall 2015 admission
August 5	Employee Tuition Assistance Program (TAP) registration for Fall 2015, via the web beginning at 8:30 a.m.
August 6	Academic Standards Committee meeting, 1:00 p.m.
August 6-7	New Faculty Orientation
August 10	Academic Year begins
August 12	University Fall Convocation (for Faculty and Staff)
August 12	Academic Standards Committee meeting, 2:00 p.m.
August 12	WebMBA (Web Master Business Administration), classes begin for Fall 2015, fee payment deadline
August 14	Operation Move In at the RAC, 9:00 a.m. - 5:00 p.m. and 5:30 p.m. - 10:00 p.m. in the residence halls
August 14	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final deadline for applicants for Fall 2015 admission
August 15	New Student Orientation and Registration for Undergraduate Students, Russell Union, 8:00 a.m. - NOTE: Enrolled and former students should refer to WINGS (http://em.georgiasouthern.edu/registrar/resources/registrationtimes/) for specific registration times
August 16	Conversations with Professors for all new first-year students, 3:30-4:45 p.m.
August 17	Fee payment deadline for Fall 2015, including GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology) Full and Short I session, (First Day of University Classes)
August 17	Classes Begin, Attendance Verification must be completed on the first class meeting day
August 17	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I session, Classes Begin
August 17	Faculty may begin entering early alerts for freshmen (due October 2)
August 17	Final date for undergraduate students to apply for Fall 2016 graduation
August 17	Final date for graduate students to apply for Fall 2015 graduation
August 17	MBA, Ten week session, Coastal Georgia Center, Classes Begin, Attendance Verification must be completed on the first class meeting day
August 17-19	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I sessions, Add period
August 17-20	Drop/Add Fall Semester
August 17-20	MBA, Ten week session, Coastal Georgia Center, Drop/Add
August 17-21	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I sessions, Drop period
August 18	\$75 Late fee in effect for graduate students who missed the August 17 deadline to apply for Fall 2015 Graduation
August 20-26	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Attendance Verification must be completed for Full and Short I sessions
August 21	\$100 Late Registration Fee begins
August 31	Fee payment deadline for final SOAR registration, registration or changing registration during the Drop/Add period
September 7	Labor Day Holiday – Administrative offices closed – No classes
September 11	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day to withdraw without academic penalty, Short I session
September 18-20	Fall Family Weekend

September 22	MBA, ten-week session, Coastal Georgia Center, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (http://em.georgiasouthern.edu/registrar/students/withdrawal/)
October 1	Final deadline for international graduate students to apply for Spring 2016 admission
October 2	Last day to submit required early alerts for freshmen
October 2	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Classes end for Short I session
October 7	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day to withdraw without academic penalty, Full session
October 9	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams for Short I session
October 12	Last day to withdraw without academic penalty; see the Policy for Limiting Individual Course Withdrawals for additional information (http://em.georgiasouthern.edu/registrar/students/withdrawal/)
October 12	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Classes begin for Short II session
October 12-14	GOML (Georgia ONmyLINE) WebBSIT (Web Bachelor of Science Information Technology), Late Registration/Add period for Short II session
October 12-16	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Drop period for Short II Session
October 15-21	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Attendance Verification must be completed for Short II session
October 17	Homecoming – Classes canceled beginning at 2:00 p.m. on Friday, October 16th
October 23	MBA, Ten week session, Coastal Georgia Center, Last day of classes
October 24	MBA, Ten week session, Coastal Georgia Center, Final Exams
October 26	Early Registration for Spring 2016 and Summer 2016 begins (Students should view WINGS for individual date and time)
October 26	MBA, Five week session, Coastal Georgia Center, Classes begin; Attendance Verification must be completed on August 17
October 26-28	MBA, Five week session, Coastal Georgia Center, Drop/Add
November 1	Final deadline MEd Higher Education Administration applicants for Spring 2016 admission
November 1	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Early Registration, for Spring 2016 Full, Short I, and Short II sessions
November 1	Deadline for submission and acceptance of \$75 Late Graduation Application Fee for Fall 2015 graduation for graduate students
November 5	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day to withdraw without academic penalty for Short II session
November 11	MBA, five-week session, Coastal Georgia Center, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (http://em.georgiasouthern.edu/registrar/students/withdrawal/)
November 12	Final date to hold terminal or comprehensive examination, theses and dissertation defenses
November 13	Final deadline for University System of Georgia full-time employees to apply for the Employee Tuition Assistance Program (TAP) for Spring 2016
November 13	WebMBA (Web Master Business Administration), last day of classes
November 13	Final deadline for domestic graduate students to apply for Spring 2016 admission
November 14-17	WebMBA (Web Master Business Administration), Final Exams
November 19	Deadline to submit electronic theses and dissertations to College of Graduate Studies for final format review
November 23-27	Thanksgiving Holidays for students, Residence halls open – Administrative offices open November 23-25, closed November 26-27 for Thanksgiving Holidays
December 1	Final Deadline for Undergraduate Students to apply for Spring 2016 admission
December 1	Final deadline for WebMBA (Web Master Business Administration) applicants for Spring 2016
December 2	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Classes end for Full session
December 3-5	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams for Full session
December 4	Last day of classes
December 4	MBA, Five week session, Coastal Georgia Center, Last day of classes
December 4	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology) Classes end for Short II session
December 5	MBA, Five week session, Coastal Georgia Center, Final Exams
December 7-10	Final exams

December 8	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams for Short II session
December 11	Deadline to submit final verified (approved) electronic theses or dissertations to College of Graduate Studies
December 11	Residence halls close at 12:00 noon (with the exception of students living in Centennial Place building 2, University Villas and Freedom's Landing)
December 11	Commencement at Hanner Fieldhouse
December 12	Residence halls close at 12:00 noon for students participating in Commencement activities (permission required)
December 12	Winter Break for students begins
December 16	Employee Tuition Assistance Program (TAP) registration for Spring 2016, via the web beginning at 8:30 a.m.
Dec. 24 - Jan. 1	Winter Break – Administrative offices closed

Spring Semester 2016

November 1	Final deadline for MEd Higher Education Administration applicants for Spring 2016 admission
November 1	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Early Registration, for Spring 2016 Full, Short I, and Short II sessions
December 1	Final deadline for Undergraduate Students to apply for Spring 2016 admission
December 1	Final deadline for WebMBA (Web Master Business Administration) applicants for Spring 2016
December 16	Employee Tuition Assistance Program (TAP) registration for Spring 2016, via the web beginning at 8:30 a.m.
January 1	New Year's Day Holiday - Administrative offices closed - No classes
January 5	Academic Standards Committee meeting, 1:00 p.m.
January 7	Academic Standards Committee meeting, 10:00 a.m.
January 7	Residence hall check-in, 12:00 noon at the Residence Halls
January 8	GOML (Georgia ONmyLINE), Final deadline for applicants for Spring 2016 admission
January 8	New Student Orientation and Registration for Undergraduate Students, Russell Union, 8:00 a.m. NOTE: Enrolled and former students should refer to WINGS (http://em.georgiasouthern.edu/registrar/resources/registrationtimes/) for specific registration times.
January 10	Conversations with Professors for all new first-year students, 3:30-4:45 p.m.
January 11	Fee payment deadline for Spring 2016, including GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), and Short I Session, (First Day of University Classes)
January 11	Classes Begin, Attendance Verification must be completed on the first class meeting day
January 11	Faculty may begin entering early alerts for freshmen (due February 26)
January 11	MBA, Ten week session, Coastal Georgia Center, Classes Begin, Attendance Verification must be completed on the first class meeting day
January 11	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I session, Classes Begin
January 11	Final Date for Undergraduate students to apply for Spring 2017 and Summer 2017 graduation
January 11	Final Date for Graduate students to apply for Spring 2016 and Summer 2016 graduation
January 11-13	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I session, Last Registration/Add period
January 11-14	Drop/Add Spring Semester
January 11-14	MBA, Ten week session, Coastal Georgia Center, Drop/Add
January 11-15	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I session, Drop period
January 12	\$75 Late fee in effect for graduate students who missed the January 11 deadline to apply for Spring 2016 or Summer 2016 Graduation
January 13	WebMBA (Web Master Business Administration), classes begin for Spring 2016, fee payment deadline
January 14-21	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I session, Attendance Verification must be completed
January 15	Application deadline for Doctor of Psychology applicants for Fall 2016 admission (Domestic & International)
January 15	\$100 Late Registration Fee begins
January 18	Martin Luther King Jr. Holiday - Administrative offices closed - No classes
January 25	Fee payment deadline for final SOAR registration, or changing registration during Drop/Add period
January 30	Final deadline for EdD Curriculum Studies applicants for Summer 2016
February 1	Final deadline for International Graduate Students to apply for Summer 2016 admission
February 5	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day to withdraw without academic penalty, Short I session
February 16	MBA, ten-week session, Coastal Georgia Center, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (http://em.georgiasouthern.edu/registrar/students/withdrawal/)

February 26	Last day to submit required early alerts for freshmen
March 1	Deadline for receipt of Graduate Assistantship Applications to have priority consideration for Fall 2016
March 1	Application deadline for Doctorate of Nursing Practice applicants for Fall 2016 (Domestic and International)
March 1	Application deadline for MEd Counselor Education applicants for Summer 2016 and Fall 2016 admission (no Spring 2016 admission)
March 2	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day of class for Short I session
March 2	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full session, Last day to withdraw without academic penalty
March 4	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams for Short I session
March 7	Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (http://em.georgiasouthern.edu/registrar/students/withdrawal/)
March 7	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Classes begin for Short II session
March 7-9	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Short II session, Late Registration/Add period
March 7-11	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Short II session, Drop period
March 10-16	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Attendance Verification must be completed for Short II session
March 14-18	Spring break for students – Administrative offices open – Residence halls open
March 14-18	Spring break, WebMBA (Web Master Business Administration)
March 18	MBA, Ten week session, Coastal Georgia Center, Last Day of classes
March 19	MBA, Ten week session, Coastal Georgia Center, Final Exams
March 21	Early Registration for Fall 2016 begins (Students should view WINGS for individual date and time.)
March 21	MBA, Five week session, Coastal Georgia Center, Classes begin, Attendance Verification must be completed on January 11
March 21-23	MBA, Five week session, Coastal Georgia Center, Drop/Add
March 31	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day to withdraw without academic penalty for Short II session
April 1	Final deadline MEd Higher Education Administration applicants for Summer 2016 admission
April 1	Application deadline for Undergraduate Students to apply for Summer 2016 Admission
April 1	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Registration Begins for Summer 2016 and Fall 2016
April 1	Final deadline for EdD Educational Leadership applicants for Fall 2016
April 1	Final deadline for domestic Graduate Students to apply for Summer 2016 admission, unless otherwise specified by program
April 1	Deadline for submission and acceptance of \$75 Late Graduation Application Fee for Spring or Summer graduation for graduate students
April 1	Application deadline for MS Kinesiology-Coaching applicants for Summer 2016 (no Fall or Spring admission)
April 6	Honors Day, Nessmith-Lane Conference Center 8:30 a.m. Classes beginning at 8:00 and 9:00 a.m. will not be canceled
April 6	MBA, five week session, Coastal Georgia Center, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (http://em.georgiasouthern.edu/registrar/students/withdrawal/)
April 8	Final date to hold terminal or comprehensive examination, theses or dissertation defenses
April 15	Final Deadline for University System of Georgia full-time employees to apply for the Employee Tuition Assistance Program (TAP) for Summer 2016
April 15	Deadline to submit electronic theses and dissertations to College of Graduate Studies for final format review
April 20	WebMBA (Web Master Business Administration), last day of classes
April 21-24	WebMBA (Web Master Business Administration), Final Exams
April 22	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Classes end for Full Session
April 26	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day of class for Short session II
April 26-28	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams for Full Session
April 27	Employee Tuition Assistance Program (TAP) Registration for Summer 2016, via the web beginning at 8:30 a.m.

April 28	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams for Short II session
April 29	Last day of classes
April 29	MBA, Five week session, Coastal Georgia Center, Last day of classes
April 30	MBA, Five week session, Coastal Georgia Center, Final Exams
May 2	WebMBA (Web Master Business Administration), classes begin for Summer 2016, fee payment deadline
May 2-6	Final Exams, May 6 Exams will be in the morning only
May 6	Deadline to submit final verified (approved) electronic theses or dissertations to College of Graduate Studies
May 6	Commencement for Graduate students at Hanner Fieldhouse, 1:00 p.m.
May 7	Commencement for Undergraduate Students at Paulson Stadium, 9:00 a.m.
May 7	Residence halls close, 12:00 noon
May 8	Residence Halls close at 12:00 noon for students participating in Commencement activities (permission required)
May 9	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final deadline for applicants for Summer 2016 admission
June 1	Final deadline for International Graduate Students to apply for Fall 2016 admission

Summer Semester 2016

January 11	Final Date for undergraduate students to apply for Spring 2017 and Summer 2017 graduation
January 11	Final Date for graduate students to apply for Spring 2016 and Summer 2016 graduation
January 12	\$75 Late fee in effect for graduate students who missed the January 11 deadline to apply for Spring 2016 or Summer 2016 graduation
April 1	Final deadline for MEd Higher Education Administration applicants for Summer 2016 admission
April 1	Final deadline for EdD Educational Leadership applicants for Fall 2016
April 1	Final deadline for undergraduate students to apply for Summer 2016 admission
April 1	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology) Early Registration, for Summer 2016 and Fall 2016
April 1	Deadline for submission and acceptance of \$75 Late Graduation Application Fee for Spring 2016 or Summer 2016 graduation for graduate students
April 15	Final Deadline for University System of Georgia full-time employees to apply for the Employee Tuition Assistance Program (TAP) for Summer 2016
April 27	Employee Tuition Assistance Program (TAP) Registration for Summer 2016, via the web beginning at 8:30 a.m.
May 2	WebMBA (Web Master Business Administration), classes begin for Summer 2016, fee payment deadline
May 9	GOML (Georgia ONmyLINE), Final deadline for applicants for Summer 2016 admission
May 10	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), First Day of Classes
May 10-12	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Late Registration/ Add period
May 10-16	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Drop period
May 12	Academic Standards Committee meeting, 2:00 p.m.
May 13	Residence hall check-in for Long Term and Term A, 12:00 noon in the Residence Halls
May 13-19	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Attendance Verification must be completed for Summer 2015
May 14	New Student Orientation and Registration for Undergraduate Students, Russell Union, 8:00 a.m. NOTE: Enrolled and former students should refer to WINGS (http://em.georgiasouthern.edu/registrar/resources/registrationtimes/) for specific registration times
May 16	Academic Standards Committee meeting, 10:00 a.m.
May 16	Fee payment deadline for Summer 2016 (First Day of University Classes) for Long Term, Term A, College of Public Health Graduate Evening Session, and College of Education Graduate Session
May 16	Classes begin for Long Term, Term A, and College of Public Health Graduate Evening Monday/Wednesday Session, Attendance Verification must be completed on the first class meeting day
May 16	Faculty may begin entering early alerts for freshmen for Term A (due May 31)
May 16	Faculty may begin entering early alerts for freshmen for Long Term (due June 9)
May 16-18	Drop/Add for Long Term and Term A and College of Public Health Graduate Session
May 17	Classes begin for College of Public Health Graduate Evening Tuesday/Thursday Session, Attendance Verification must be completed on the first class meeting day
May 30	Memorial Day – Administrative offices closed – No classes
May 31	Fee payment deadline for final SOAR registration or changing registration during Drop/Add period (May 16-18)
May 31	Classes begin for College of Education Graduate Tuesday/Thursday Session, Attendance Verification must be completed on the first class meeting day

May 31	Last day to submit required early alerts for freshmen for Term A
May 31- June 1	Drop/Add College of Education Graduate Session
June 1	Classes begin for College of Education Graduate Monday/Wednesday Session, Attendance Verification must be completed on the first class meeting day
June 1	Final deadline for international graduate students to apply for Fall 2016 admission
June 2	Last day to withdraw without academic penalty, Term A
June 9	Last Day to submit required early alerts for freshmen for Long Term
June 10	Last day to withdraw without academic penalty, College of Public Health Graduate Evening Session
June 13	Last day to withdraw without academic penalty, College of Education Graduate Session
June 14	Final exams Evening classes, Term A, COE Graduate Evening Classes Tuesday/Thursday begin at 4:00 p.m.
June 15	Last day of classes for Term A
June 15	Last day to withdraw without academic penalty, Long Term
June 16	Final exams, Term A
June 16	Final exams for Evening classes, Term A, 6:00-8:00 p.m.
June 16	Final exams Evening classes, Term A, COBA Graduate Evening Classes Monday/Wednesday, 6:00 pm and Tuesday/Thursday, 8:00 p.m.
June 16	Residence halls open at 12:00 noon for EIP Students
June 17	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day to withdraw without academic penalty
June 17	Academic Standards Committee meeting, 10:00 a.m.
June 17	Residence halls close at 12:00 noon for students attending Term A
June 19	Residence hall check-in for Term B at 12:00 noon in the Residence Halls
June 19	Conversations with Professors for all new first-year students, 3:30-4:45 p.m.
June 20	Classes begin for Term B; Attendance Verification must be completed on the first class meeting day
June 20	Faculty may begin entering early alerts for freshmen for Term B (due July 5)
June 20-22	Drop/Add for Term B
June 21	Last day to withdraw without academic penalty, College of Education Graduate Session
June 23	Last day of classes for College of Public Health Graduate Evening Tuesday/Thursday Session
June 24	Final date to hold terminal or comprehensive examination, theses or dissertation defense for Summer 2016 graduates
June 27	Last day of classes for College of Public Health Graduate Evening Monday/Wednesday Session
June 28	Final exams for Tuesday/Thursday, College of Public Health Graduate Evening Session
June 29	Final exams for Monday/Wednesday, College of Public Health Graduate Evening session
July 1	Final deadline for domestic graduate students to apply for Fall 2016 admission, unless otherwise specified by program
July 1	Deadline to submit electronic theses and dissertations to College of Graduate Studies for final format review
July 4	Independence Day Holiday Observed – Administrative offices closed – No classes
July 5	Fee payment deadline for final SOAR registration or changing registration during Drop/Add period (June 20-22) for Term B and EIP Students
July 5	Last day to submit required early alerts for freshmen for Term B
July 7	Last day to withdraw without academic penalty, Term B
July 7	Final exams for Tuesday/Thursday Evening Classes, Long Term
July 11	Last day of classes for College of Education Graduate Monday/Wednesday Session
July 12	Last day of Classes for Long Term
July 12	Last day of classes for College of Education Graduate Tuesday/Thursday Session
July 13	Final exams for Monday/Wednesday, College of Education Graduate Session
July 13	Final exams for Monday/Wednesday, Evening Classes, Long Term
July 13-14	Final exams, Long Term
July 14	Final exams for Tuesday/Thursday, College of Education Graduate Session
July 15	Final Deadline for University System of Georgia full-time employees to apply for the Employee Tuition Assistance Program (TAP) for Fall 2015
July 15	Residence halls close at 12:00 noon for students attending, Long Term
July 18	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Classes end
July 19	Final exams, Term B, COE Graduate Classes, Tuesday/Thursday, 11:00 a.m. or 4:00 p.m.
July 19-21	GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams
July 20	Final exams, Term B, COE Graduate Classes, Monday/Wednesday, 11:00 a.m. or 4:00 p.m.
July 20	Last day of classes for Term B
July 21	Final exams, Term B, COBA Graduate Evening Classes, Monday/Wednesday 6:00 p.m.

July 21	Final exams, Term B, COBA Graduate Evening Classes, Tuesday/Thursday 8:00 p.m.
July 21	Final exams for Evening classes, Term B, 6:00-8:00 p.m.
July 21	Final Exams, Term B
July 21	Deadline to submit final verified (approved) electronic theses or dissertations to College of Graduate Studies
July 22	Residence halls close at 12:00 noon for Term B and EIP
July 25	WebMBA (Web Master Business Administration), last day of classes
July 26-28	WebMBA (Web Master Business Administration), Final Exams
August 1	Final deadline for WebMBA (Web Master Business Administration) admissions for Fall 2015
August 4	Academic Standards Committee meeting, 2:00 p.m.
August 15	Final date for undergraduate students to apply for Fall 2017 graduation
August 15	Final date for Graduate students to apply for Fall 2016 graduation

Fall Semester 2016

August 8	Academic Year begins
August 13	Final registration
August 15	Fee payment deadline, Fall Semester 2016 (First Day of University Classes)
August 15	Classes begin
August 15	Final date for undergraduate students to apply for Fall 2017 graduation
August 15	Final date for graduate students to apply for Fall 2016 graduation
August 15-18	Drop/Add
September 5	Labor Day
November 21-25	Thanksgiving Holidays for students – Administrative offices closed November 24-25
December 2	Last day of classes
December 5-8	Final exams
December 9	Commencement

Spring Semester 2017

January 2	New Year's Day Holiday (Observed) – Administrative offices closed
January 6	Final registration
January 9	Fee payment deadline, Spring Semester 2017 (First Day of University Classes)
January 9	Classes begin
January 9	Final date for undergraduate students to apply for Spring 2018 graduation
January 9	Final date for graduate students to apply for Spring and Summer 2017 graduation
January 9-12	Drop/Add
January 16	Martin Luther King Jr. Holiday – Administrative offices closed – No classes
March 13-17	Spring Break
April 28	Last day of classes
May 1-5	Final exams
May 5	Graduate Commencement
May 6	Undergraduate Commencement

Summer Semester 2017

January 9	Final date for undergraduate students to apply for Spring and Summer 2018 graduation
January 9	Final date for graduate students to apply for Spring and Summer 2017 graduation
May 13	Final Registration
May 15	Classes begin for Term A, Long Term, and College of Public Health Graduate Monday/Wednesday classes
May 15	Classes begin for College of Public Health Graduate Tuesday/Thursday classes
May 15-17	Drop/Add for Term A, Long Term, and College of Public Health Graduate classes.
May 29	Memorial Day Holiday – Administrative Offices closed – No classes
May 30	Classes begin for College of Education Graduate Tuesday/Thursday classes
May 30-31	Drop/Add for College of Education Graduate Monday/Wednesday and Tuesday/Thursday classes
May 31	Classes begin for College of Education Graduate Monday/Wednesday classes
June 14	Last day of classes for Term A
June 15	Final Exams for Term A
June 19	Classes begin for Term B

June 19-21	Drop/Add for Term B
June 22	Last day of classes for College of Public Health Graduate Tuesday/Thursday classes
June 26	Last day of classes for College of Public Health Graduate Monday/Wednesday classes
June 27	Final exams for College of Public Health Graduate Tuesday/Thursday classes
June 28	Final exams for College of Public Health Graduate Monday/Wednesday classes
July 4	Independence Day Holiday – Administrative Offices closed – No classes
July 6	Last day of classes for College of Education Graduate Tuesday/Thursday classes
July 10	Last day of classes for College of Education Graduate Monday/Wednesday classes
July 11	Last day of classes for Long Term
July 11	Final exams for College of Education Graduate Tuesday/Thursday classes
July 12	Final Exams for College of Education Graduate Monday/Wednesday classes
July 12-13	Final Exams for Long Term
July 19	Last day of classes for Term B
July 20	Final Exams for Term B

Fall Semester 2017

August 7	Academic Year begins
August 12	Final registration
August 14	Fee payment deadline, Fall Semester 2017 (First Day of University Classes)
August 14	Classes begin
August 14	Final date for undergraduate students to apply for Fall 2018 graduation
August 14	Final date for graduate students to apply for Fall 2017 graduation
August 14-17	Drop/Add
September 4	Labor Day
November 20-24	Thanksgiving Holidays for students – Administrative offices closed November 24-25
December 1	Last day of classes
December 4-7	Final exams
December 8	Commencement

Spring Semester 2018

January 1	New Year's Day Holiday – Administrative offices closed
January 5	Final registration
January 8	Fee payment deadline, Spring Semester 2018 (First Day of University Classes)
January 8	Classes begin
January 8	Final date for undergraduate students to apply for Spring 2019 graduation
January 8	Final date for graduate students to apply for Spring and Summer 2018 graduation
January 8-11	Drop/Add
January 15	Martin Luther King Jr. Holiday – Administrative offices closed – No classes
March 12-16	Spring Break
April 27	Last day of classes
April 30-May 4	Final exams
May 4	Graduate Commencement
May 5	Undergraduate Commencement

Summer Semester 2018

January 9	Final date for undergraduate students to apply for Spring and Summer 2019 graduation
January 9	Final date for graduate students to apply for Spring and Summer 2018 graduation
May 12	Final Registration
May 14	Classes begin for Term A, Long Term, and College of Public Health Graduate Monday/Wednesday classes
May 14-16	Drop/Add for Term A, Long Term, and College of Public Health classes
May 15	Classes begin for College of Public Health Graduate Tuesday/Thursday classes
May 28	Memorial Day Holiday – Administrative offices closed – No classes
May 29	Classes begin for College of Education Graduate Tuesday/Thursday classes
May 29-30	Drop/Add for College of Education Graduate Monday/Wednesday and Tuesday/Thursday classes
May 30	Classes begin for College of Education Graduate Monday/Wednesday classes

June 13	Last day of classes for Term A
June 14	Final Exams for Term A
June 18	Classes begin for Term B
June 18-20	Drop/Add for Term B
June 21	Last day of classes for College of Public Health Graduate Tuesday/Thursday classes
June 25	Last day of classes for College of Public Health Graduate Monday/Wednesday classes
June 26	Final exams for College of Public Health Graduate Tuesday/Thursday classes
June 27	Final exams for College of Public Health Graduate Monday/Wednesday classes
July 4	Independence Day Holiday – Administrative Offices closed – No classes
July 9	Last day of classes for College of Education Graduate Monday/Wednesday classes
July 10	Last day of classes for College of Education Graduate Tuesday/Thursday classes
July 10	Last day of classes for Long Term
July 11	Final Exams for College of Education Graduate Monday/Wednesday classes
July 11-12	Final Exams for Long Term
July 12	Final exams for College of Education Graduate Tuesday/Thursday classes
July 18	Last day of classes for Term B
July 19	Final Exams for Term B

Institutional Testing Schedule 2015-2016

(Dates are subject to change, please verify dates at <http://studentsupport.georgiasouthern.edu/asc/testing>)

On-Campus Scholastic Aptitude Test (ISAT/On-Campus SAT)

(<http://studentsupport.georgiasouthern.edu/asc/testing/isat/>)

Friday	July 10, 2015
Friday	November 13, 2015
Friday	March 25, 2016
Friday	April 22, 2016
Friday	May 13, 2016
Friday	June 17, 2016
Friday	July 8, 2016

Testing is available by appointment Monday through Friday, at 8:30 am.

American College Test (ACT) - Residual/ On-Campus

(<http://studentsupport.georgiasouthern.edu/asc/testing/act-residual>)

Friday	July 10, 2015
Friday	November 13, 2015
Friday	March 25, 2016
Friday	April 24, 2016
Friday	May 13, 2016
Friday	June 17, 2016
Friday	July 15, 2016

Testing is available by appointment Monday through Friday, at 8:30 am.

Miller Analogies Test (MAT)

(<http://studentsupport.georgiasouthern.edu/asc/testing/mat>)

The MAT is offered one Saturday each month. Please see the testing website for the Saturday testing schedule.

Testing is also available by appointment Monday through Friday between 9:00 a.m. - 4:00 p.m.

HESI Admissions Assessment (A2) Nursing Entrance Exam

(<http://studentsupport.georgiasouthern.edu/asc/testing/net>)

Offered by group appointments once a month with dates listed on the website for registration and payment.

College Level Examination Program (CLEP)

(<http://studentsupport.georgiasouthern.edu/asc/testing/clep>)

Offered by an appointment Monday through Friday by calling (912) 478-5415.

DSST

(<http://studentsupport.georgiasouthern.edu/asc/testing>)

Offered by an appointment Monday through Friday by calling (912) 478-5415.

Certiport Exam

(<http://studentsupport.georgiasouthern.edu/asc/testing/mso/>)

Offered by an appointment Monday through Friday by calling (912) 478-5415. Exams that Georgia Southern University students are specifically interested in taking include the Microsoft Office Specialist Certification and the Microsoft Technology Associate.

National Testing Schedule 2015-2016

(Dates are subject to change)

American College Test (ACT)

(<http://www.actstudent.org>)

Saturday	September 12, 2015
Saturday	October 24, 2015
Saturday	December 12, 2015
Saturday	February 6, 2016
Saturday	April 9, 2016
Saturday	June 11, 2016

Scholastic Aptitude Test (SAT)

(<http://sat.collegeboard.org>)

Saturday	October 3, 2015
Saturday	November 7, 2015
Saturday	December 5, 2015
Saturday	January 23, 2016
Saturday	March 5, 2016
Saturday	May 7, 2016
Saturday	June 4, 2016

Graded Record Exam (GRE) Subject Tests

(<http://www.ets.org/gre>)

Saturday	September 19, 2015
Saturday	April 16, 2016

Law School Admission Test (LSAT)

(<http://www.lsac.org>)

Saturday	June 8, 2015
Saturday	October 3, 2015
Saturday	December 5, 2015
Saturday	February 6, 2016

American Council for Exercise Exams (ACE)

(<http://acefitness.org>)

Offered on the computer by appointment through CastleWorld Wide.

Certified Health Education Specialist (CHES)/Master Certified Health Education Specialist (MCHES)

(<http://www.nchec.org>)

Saturday	October 17, 2015
Saturday	April 23, 2016

Georgia Assessments for the Certification of Educators (GACE)

(<http://gace.ets.org>)

See the web site for the testing dates. Testing typically takes place weekly.

HESI Admissions Assessment (A2) Nursing Entrance Exam

(<http://studentsupport.georgiasouthern.edu/asc/testing/net>)

Offered by group appointments once a month with dates listed on the website for registration and payment.

Test of English as a Foreign Language (TOEFL)

(<http://www.ets.org/toefl>)

See the web site for the testing dates. Testing typically takes place once per month.

Board of Certification (BOC) Athletic Training Certification Exam

(<http://bocatc.org>)

Offered on the computer during the national testing periods through CastleWorld Wide.

For more information concerning testing or registration for a test, check the Office of Testing Services web page at <http://studentsupport.georgiasouthern.edu/asc/testing> or call (912) 478-5415 or email testing@georgiasouthern.edu.

Accreditation

Georgia Southern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, masters, specialists, and doctorate degrees. Contact the Commission on Colleges at:

1866 Southern Lane,
Decatur, Georgia 30033-4097

or call (404) 679-4500 (<http://www.sacscoc.org>) for questions about the accreditation of Georgia Southern University.

Normal inquiries about the institution, such as admission requirements, financial aid, educational programs, etc., should be addressed directly to the institution and not to the Commission's office. The Commission should be contacted only if there is evidence that appears to support an institution's significant non-compliance with a requirement or standard.

Departments/Programs	Accrediting Organization
Athletics Program	National Collegiate Athletic Association
Child Development Center	National Association for the Education of Young Children
Counseling and Career Development Center	International Association of Counseling Services
Health Services	Accreditation Association for Ambulatory Health Care
Museum	American Alliance of Museums
College of Business Administration	
Accounting (Undergraduate and Graduate)	Association to Advance Collegiate Schools of Business
College of Business Administration (Undergraduate and Graduate)	Association to Advance Collegiate Schools of Business
College of Education	
College of Education (Undergraduate and Graduate)	National Council for Accreditation of Teacher Education and Georgia Professional Standards Commission (Program Approval)
Counselor Education	Council for Accreditation of Counseling and Related Educational Program
School Psychology	National Association of School Psychologists
College of Health and Human Sciences	
Athletic Training	Commission on Accreditation of Athletic Training Education
Coaching Education	National Council for Accreditation of Coaching Education Level 3
Interior Design	Council for Interior Design Accreditation and National Association of Schools of Art and Design
Nursing (Undergraduate and Graduate)	Commission on Collegiate Nursing Education and Georgia Board of Nursing (approval to operate in the state of Georgia)
Nutrition and Food Science	Accreditation Council for Education in Nutrition and Dietetics
Dietetics Internship	Accreditation Council for Education in Nutrition and Dietetics
Recreation (Undergraduate)	National Recreation and Park Association/American Association for Leisure and Recreation Council on Accreditation
Jiann-Ping Hsu College of Public Health	
Public Health (Undergraduate and Graduate)	Council on Education for Public Health
College of Liberal Arts and Social Sciences	
Art (Undergraduate and Graduate)	National Association of Schools of Art and Design
Music (Undergraduate and Graduate)	National Association of Schools of Music
Doctor of Psychology in Clinical Psychology	American Psychological Association
Theatre	National Association of Schools of Theatre (Associate Membership)
Allen E. Paulson College of Engineering and Information Technology	
Civil Engineering	Engineering Accreditation Commission of ABET
Civil Engineering Technology	Technology Accreditation Commission of ABET
Computer Sciences	Computing Accreditation Commission of ABET
Construction Management	American Council for Construction Education
Electrical Engineering	Engineering Accreditation Commission of ABET
Electrical Engineering Technology	Technology Accreditation Commission of ABET
Information Technology	Computing Accreditation Commission of ABET
Mechanical Engineering	Engineering Accreditation Commission of ABET
Mechanical Engineering Technology	Technology Accreditation Commission of ABET
College of Science and Mathematics	
Chemistry	American Chemical Society

Master of Science in Applied Physical Sciences

Designation as a Professional Science Master's - Affiliate Membership
(non-thesis track only)

General Information

University Mission

Georgia Southern University is a public, Carnegie Doctoral/Research university devoted to academic distinction in teaching, scholarship, and service. The University's hallmark is a culture of engagement that bridges theory with practice, extends the learning environment beyond the classroom, and promotes student growth and life success. Georgia Southern's nationally accredited academic programs in the liberal arts, sciences, and professional studies prepare a diverse and select undergraduate and graduate student population for leadership and service as world citizens. Faculty, staff, and students embrace core values expressed through integrity, civility, kindness, collaboration, and a commitment to lifelong learning, wellness, and social responsibility.

Central to the University's mission is the faculty's dedication to excellence in teaching and the development of a fertile learning environment exemplified by a free exchange of ideas, high academic expectations, and individual responsibility for academic achievement. Georgia Southern faculty are teacher-scholars whose primary responsibility is the creation of learning experiences of the highest quality, informed by scholarly practice, research, and creative activities. The University offers a student-centered environment enhanced by technology, transcultural experiences, private and public partnerships, and stewardship of a safe residential campus recognized for its natural beauty.

Georgia Southern University is committed to advancing the State of Georgia and the region through the benefits of higher education, offering baccalaureate through doctoral degrees and a variety of outreach programs. The University fosters access to its educational programs, provides a comprehensive and fulfilling university experience, and enhances quality of life in the region through collaborative relationships supporting education, health care and human services, cultural experiences, scientific and technological advancement, athletics, and regional development.

Office of Institutional Effectiveness

The mission of the Office of Institutional Effectiveness (OIE) is to support Georgia Southern University's pursuit of academic distinction in teaching, scholarship, and service in a student-centered environment by providing leadership for assessment, institutional effectiveness, planning, and accreditation activities to academic and administrative units. Guided by a dedication to a culture of systematic self-reflection, evidence-based decision-making, and improvement, the Office of Institutional Effectiveness ensures that academic, administrative, and support units engage in assessment practices that accurately and comprehensively reflect their primary functions. Additional information is available at OIE's website at <http://academics.gosouthern.edu/vpie/index.php>.

The University Strategic Plan Themes

Georgia Southern University's strategic vision is to be recognized as one of the best public doctoral-research universities in the country within the next 10 years. Our journey is guided by four essential strategic themes:

Promote Academic Excellence

Enhance Student Success

Increase Research, Scholarship, and Creative Achievement

Maintain Fiscal Sustainability

History of Georgia Southern University

On December 1, 1906, the newly appointed First District Board of Trustees convened in Savannah, Georgia. It was one of 11 such boards created for each congressional district by state legislation that year to build and oversee agricultural and mechanical schools for elementary and secondary students. The trustees were prepared to hear bids from local leaders who wanted the First District A&M School to be built in their communities and were willing to provide the funding to do so. Among the bidders were 50 representatives from Bulloch County who had journeyed from Statesboro on a train called the "College Special." Their bid of \$125,000 in cash and in-kind contributions, including a donation of 300 acres for a campus, won handily. Early in 1908, just outside Statesboro (on a site called "Collegeboro"), the First District A&M School opened its doors with 15 students, four faculty members, and three buildings.

By 1920, the First District A&M School had 150 students and was fielding teams in football and baseball; the "Aggies" typically won more than half their games in any given season. But by 1921, a combination of rapidly growing debt and drastically declining enrollments almost spelled the end of the fledgling school.

Hard work and commitment prevailed, however, and by 1924, not only were the school's finances and enrollments back on track, but the Georgia General Assembly upgraded the school to a two-year college for teacher training and retitled it the Georgia Normal School, one of three in the state. With this first change in the school's status, "Principal" Ernest V. Hollis became "President" Hollis, Georgia Southern University's first president. The following year, private donors funded the first scholarships for the campus.

In 1929, the General Assembly was persuaded that yet another major institutional promotion was due, and the Georgia Normal School became the South Georgia Teachers College via state legislation, converting the Statesboro campus from a two-year junior college to a four-year teachers college. The Aggies had receded, and the "Blue Tide" had rolled in, bringing programs not only in football and baseball, but also in basketball and track; basketball was played in a tobacco warehouse until the first gymnasium was built in 1931.

Also in that year, the long-supportive First District Board of Trustees, like all freestanding boards of college trustees in the state, was dissolved by state legislation. Higher education in Georgia was reorganized into its present form, with all state colleges and universities reporting to a single Board of Regents. Now, the Regents, not the General Assembly, were responsible for determining any changes in mission for the college in Statesboro.

In 1939, South Georgia Teachers College became Georgia Teachers College by action of the Board of Regents. This new title represented less a change of status for the college and more a recognition by the Regents that the Statesboro campus was the statewide college for teacher education. Later, the "Blue Tide" receded, and "The Professors" became the official name of Georgia Teachers College's intercollegiate teams.

When Eugene Talmadge was elected governor in 1940, he remembered, according to some observers, that the electoral district dominated by Georgia Teachers College had voted for his opponent. Within a year, the governor had initiated an effort to remove President Marvin Pittman on charges that included advocating "racial equality and teaching communism" (the latter conclusively disproved). President Pittman was fired, and as a direct result of his dismissal, all state-supported institutions of higher education in Georgia saw their regional academic accreditation

withdrawn by what is now the Southern Association of Colleges and Schools. In 1942, a new governor was elected, and the Board of Regents was reorganized; a year later, Georgia Teachers College and the University System of Georgia were reaccredited, and Dr. Pittman was reinstated by the Board as president of Georgia Teachers College.

This incident, which received international media coverage at the time, was a formative and symbolic experience in the history of Georgia Southern University and a measure of its resilience in the defense of academic and institutional integrity, qualities that remain today.

In 1957, the college in Statesboro was authorized by the Board of Regents to offer its first graduate degree, a Master of Education. In some ways, that benchmark was the beginning of the ultimate evolution from a college to a university.

Only two years later, Georgia Teachers College was upgraded by the Board of Regents to Georgia Southern College, a recognition by Georgia's policymakers that the College was now a comprehensive institution with responsibilities well beyond the specialized mission of educating teachers. In 1960, the "Professors" was retired as the name of Georgia Southern's intercollegiate teams, and by student vote, the "Eagles" was hatched.

The first fraternities and sororities were chartered on the campus in 1967 and 1968. The first three Schools, Arts and Sciences, Education, and Graduate Studies, were established in 1968, followed by the School of Business in 1971, and the School of Health, Physical Education, Recreation and Nursing and the School of Technology in 1980. These schools were organized as the College of Liberal Arts and Social Sciences (in 1994), Education, Graduate Studies, Business Administration, Health and Human Sciences, and the Allen E. Paulson College of Science and Technology (in 1994). In 2003, the College of Information Technology was established, and in 2005, the Jiann-Ping Hsu College of Public Health became the University's eighth college. In order to accurately reflect the addition of an engineering college, in 2012, the College of Science and Technology was renamed the College of Science and Mathematics, and the College of Information Technology became the Allen E. Paulson College of Engineering and Information Technology. In 1981, football was reintroduced to Georgia Southern after a hiatus of almost 40 years, inaugurating a new winning tradition of Division I intercollegiate sports.

Beginning in the early 1970s, a resurgent effort to acquire university status for the Statesboro campus emerged, culminating in 1989 with the Board of Regents' vote to promote Georgia Southern College to Georgia Southern University. When university status became effective on July 1, 1990, Georgia Southern received its sixth and final name. Georgia Southern University became the first new university in Georgia in 21 years and the third largest university in the state. In 1992, the Regents authorized Georgia Southern University to initiate its first doctoral program, the Doctorate of Education, which was the first doctorate to be offered by an institution located in South Georgia. In 2006, the Carnegie Foundation for the Advancement of Teaching classified Georgia Southern University as a doctoral/research institution.

Administrative Structure

JEAN BARTELS, B.S.N., M.S.N., Ph.D.	Interim President
SALINDA ARTHUR, B.A., M.S.	Vice President for University Advancement
DIANA CONE, B.S., M.S., Ph.D.	Interim Provost and Vice President for Academic Affairs
STEVEN BURRELL, B.S., M.Ed., Ed.S., Ed.D.	Vice President for Information Technology and Chief Information Officer

CHARLES E. PATTERSON, B.S., Ph.D.	Vice President for Research and Economic Development and Dean, Jack N. Averitt College of Graduate Studies
TERESA THOMPSON, B.S., M.S., Ph.D.	Vice President for Student Affairs and Enrollment Management
ROBERT WHITAKER, B.B.A., M.B.A.	Vice President for Business and Finance
MARTHA L. ABELL, B.S., M.S., Ph.D.	Dean, College of Science and Mathematics
ALLEN AMASON, B.B.A., Ph.D.	Dean, College of Business Administration
MOHAMMAD DAVOUD, B.S., M.S., Ph.D.	Founding Dean, Allen E. Paulson College of Engineering and Information Technology
GREG EVANS, B.A., M.S., Ph.D.	Dean, Jiann-Ping Hsu College of Public Health
PATRICE BUCKNER JACKSON, B.S., M.A.	Dean of Students
BARRY JOYNER, B.S., M.Ed., Ph.D.	Dean, College of Health and Human Sciences
THOMAS R. KOBALLA, JR., B.S., M.A.Ed., Ph.D.	Dean, College of Education
W. BEDE MITCHELL, B.A., M.L.S., Ed.D.	Dean of the Library and University Librarian
CURTIS EUGENE RICKER, B.A., M.A., D.A.	Dean, College of Liberal Arts and Social Sciences

College Structure

The academic credit programs of the University are administered by eight colleges: the College of Liberal Arts and Social Sciences, the College of Business Administration, the College of Education, the College of Health and Human Sciences, the Allen E. Paulson College of Engineering and Information Technology, the Jiann-Ping Hsu College of Public Health, the College of Science and Mathematics, and the Jack N. Averitt College of Graduate Studies. Except for the College of Graduate Studies, each of these is subdivided into schools or departments. A dean directs each college, a director or chair each school, and a chair each department. The following organizational structure provides for the degrees, fields of study, and courses set out in this catalog.

I. College of Business Administration	Dr. Allen C. Amason, Dean
School of Accountancy	Dr. Timothy A. Pearson, Director
Department of Finance and Economics	Dr. Rand W. Ressler, Chair
Department of Information Systems	Dr. Camille Rogers, Interim Chair
Department of Logistics and Supply Chain Management	Dr. Gerard Burke, Chair
Department of Management	Dr. Robert Hoell, Interim Chair
Department of Marketing	Dr. Michael L. Thomas, Interim Chair
II. College of Education	Dr. Thomas R. Koballa, Jr., Dean
Department of Curriculum, Foundations, and Reading	Dr. Kent Rittschof, Chair
Department of Leadership, Technology, and Human Development	Dr. Beth Durodoye, Chair
Department of Teaching and Learning	Dr. Bruce Field, Chair

III. Allen E. Paulson College of Engineering and Information Technology	Dr. Mohammad Davoud, Dean
Department of Civil Engineering and Construction Management	Dr. N. Michael Jackson, Chair
Department of Electrical Engineering	Dr. Youakim Kalaani, Interim Chair
Department of Mechanical Engineering	Dr. Brian Vlcek, Chair
Department of Computer Sciences	Dr. Muralidhar Medidi, Chair
Department of Information Technology	Dr. Susan Rebstock Williams, Chair
IV. College of Health and Human Sciences	Dr. Barry Joyner, Dean
School of Human Ecology	Dr. Cynthia Elaine Johnson, Chair
Department of Health and Kinesiology	Dr. James McMillan, Interim Chair
School of Nursing	Dr. Sharon Radzysinski, Chair
V. College of Liberal Arts and Social Sciences	Dr. Curtis Eugene Ricker, Dean
Betty Foy Sanders Department of Art	Mr. Robert Farber, Chair
Department of Communication Arts	Dr. Pamela Bourland-Davis, Chair
Department of Criminal Justice and Criminology	Dr. Brenda Sims Blackwell, Chair
Department of Foreign Languages	Dr. Eric J. Kartchner, Chair
Department of History	Dr. Johnathan O'Neill, Chair
Department of Literature and Philosophy	Dr. Mary Villeponteaux, Interim Chair
Department of Music	Dr. Steven Harper, Chair
Department of Political Science	Dr. Barry Balleck, Chair
Department of Psychology	Dr. Michael Nielson, Chair
Department of Sociology and Anthropology	Dr. Marieke Van Willigen, Chair
Department of Writing and Linguistics	Dr. Dan Bauer, Chair
Institute for Public and Nonprofit Studies	Dr. Trent Davis, Director
VI. Jiann-Ping Hsu College of Public Health	Dr. Greg Evans, Dean
Department of Biostatistics	Dr. Robert Vogel, Chair
Department of Community Health Behavior and Education	Dr. Joseph Telfair, Chair
Department of Environmental Health Sciences	Dr. Joseph Telfair, Chair
Department of Epidemiology	Dr. Robert Vogel, Chair
Department of Health Policy and Management	Dr. Gerald Ledlow, Chair
VII. College of Science and Mathematics	Dr. Martha L. Abell, Dean
Department of Biology	Dr. Stephen P. Vives, Chair
Department of Chemistry	Dr. John C. DiCesare, Chair
Department of Geology and Geography	Dr. Jeffery Underwood, Chair
Department of Mathematical Sciences	Dr. Sharon E. Taylor, Chair
Department of Military Science	MAJ Erik Kjonnerod, Chair
Department of Physics	Dr. Clayton Heller, Chair

Institute for Coastal Plain Science	Dr. Daniel Gleason, Director
VIII. Jack N. Averitt College of Graduate Studies	Dr. Charles E. Patterson, Dean

Academic Services

In addition to the Colleges, several other departments or agencies within Georgia Southern University enhance the academic life of the University.

Advisement

Philosophy

Georgia Southern University accepts the premise that ultimately a student's program is his or her own responsibility. Any system of advisement must reflect students' freedom of choice and their right to make their own decisions. It is required that students see their advisors prior to registration each semester to have their classes approved and to receive their Registration Access Number (RAN). More important and separate from having registration needs, students should meet with their advisors to plan programs carefully and ensure that all program requirements are being met.

It is the institution's responsibility to provide guidance, information, and assistance to the student whenever possible. It is the institution's responsibility to see that advisors have accurate information, are concerned about students, and are accessible to students on a reasonable basis. The institution also has responsibility to provide the necessary support to those faculty members who choose advisement as an area of service and to see that good advisement is appropriately included in merit considerations.

Definition of the Role of Advisors

Advisors should fill three roles. They should serve as a resource, providing information about university programs and institutional requirements to assist students in developing the most coherent plan for their college years. Second, they should serve as a link between students and the university community, referring them to areas of assistance and familiarizing them with the resources provided by the institution to meet their needs and goals. Finally, advisors should assist students in understanding the nature and purpose of higher education and help them develop self-direction in decision making.

Responsibility for Advisement

Advisement for students is generally provided by professional advisors and professors in advisement centers. Advisement for Undeclared students who have less than 45 hours and Dual Enrolled (ACCEL) students will be advised in First-Year Experience. On-campus General Studies majors are advised in the College of Liberal Arts and Social Sciences Advisement Center. All online General Studies students are advised by the Online General Studies program personnel. Transients and non-degree students are advised in the Registrar's Office. Majors in International Studies and International Trade are advised in the Center for International Studies.

General Education Outcomes

<http://academics.georgiasouthern.edu/student-learning-outcomes/>

Board of Regents Policy

http://www.usg.edu/policymanual/section3/policy/3.9_academic_advisement/

Council for the Advancement of Standards in Higher Education

<http://www.cas.edu>

National Academic Advising Association (NACADA)

<http://www.nacada.ksu.edu/>

Division of Continuing Education

The mission of the Division of Continuing Education (CE) is to support Georgia Southern University's commitment to advance the State of Georgia and the region through offering a variety of outreach programs and Academic Affairs' commitment to extend the learning environment beyond the classroom and promote life success. Guided by these commitments, the Division serves as the educational liaison between the academic colleges and administrative units at Georgia Southern University and our constituents (citizens, companies, governmental units, non-profit agencies, and professional organizations) of this region, state, nation, and world in delivering lifelong learning opportunities and provides Statesboro, Savannah, and surrounding communities with technologically advanced meeting, classroom and conference facilities. The facilities managed by the Division of Continuing Education include the Nessmith-Lane Conference Center located on the campus of Georgia Southern University and the Coastal Georgia Center nestled in the heart of the beautiful Historic District of Savannah, Georgia, adjacent to the Savannah Visitors Information Center.

For more information about the Division, see <http://georgiasouthern.edu/contacted> (<http://academics.georgiasouthern.edu/ce>).

Outreach Facilities on the Georgia Southern Campus

- **Garden of the Coastal Plain**

Centered on an early 20th century farmstead, the Garden offers visitors a unique view of the cultural and natural heritage of the Southeastern Coastal Plain, an area rich in unique and endangered plants. The Garden's nearly 11 acre site, located in the middle of the growing city of Statesboro, includes walking woodland trails, Bland Cottage, Heritage Garden, Rose Arbor, Children's Learning Garden, Camellia Garden, Native Plant Landscape Garden, Native Azalea Collection, and Bog Garden. The Garden is a research and educational resource for faculty and students and provides educational and cultural programs for the public. The Garden is also available for rentals such as photography sessions, weddings and receptions. The Garden's grounds are open 9:30 a.m. to 7 p.m. Monday through Friday and 1 p.m. until 4 p.m. on Sunday. Buildings are open Monday through Friday, 9:30 a.m. to 5:30 p.m., and Sunday, 1 p.m. to 4 p.m. For more information, call the Garden office at (912) 871-1149, or visit the website at <http://academics.georgiasouthern.edu/garden/>.

- **The Georgia Southern University Museum**

Since 1982, the Georgia Southern University Museum has sought to preserve, exhibit, and interpret objects pertaining to the unique cultural heritage and natural history of this region. A world-class mosasaur specimen and *Georgiacetus vogtlensis*, the oldest fossil whale ever discovered in North America, are among the many exhibits reflecting Georgia's prehistoric past. The museum also hosts a variety of changing exhibits and programs relevant to the University's academic departments—often curated by faculty. The museum also presents several offsite exhibits on local and University history. The museum's outreach programs, Project SENSE and BESST, train teachers to teach hands-on science and social studies and deliver kits

to hundreds of teachers across south Georgia. The museum serves as a research and educational resource for faculty, staff, students, the general public, and schools in south Georgia. Opportunities exist for undergraduate and graduate student involvement in all aspects of the museum's programs. The museum is open Tuesday through Friday from 9 a.m. to 5 p.m., and on Saturdays and Sundays from 2 p.m. to 5 p.m. Inquiries may be directed to the museum at (912) 478-5444. Visit the website at <http://academics.georgiasouthern.edu/museum/>.

- **The Center for Wildlife Education and The Lamar Q Ball, Jr. Raptor Center**

Since its opening in 1990, the Center for Wildlife Education has grown into one of the leading environmental education facilities in Georgia. At over 17 acres in size, the Center supports Georgia Southern University's environmental education programs with a mission to provide wildlife encounters for the school children and citizens of the region. This nature center displays numerous species of eagles, hawks, falcons, owls, and vultures showcased in their natural habitats. Flighted raptor demonstrations and reptile programs are offered to the public on weekends and to scheduled groups on weekdays. The Center includes exhibits dedicated to Georgia's wildlife as well as a lecture hall and gift shop. Built through private donations, the \$3 million Center is supported operationally through private and public partnerships. The 12-acre expansion, the Wetland Preserve, opened in 2009 and focuses on ornithology and water resource conservation. Inquiries may be directed to the Center at (912) 478-0831. Visit the website at <http://academics.georgiasouthern.edu/wildlife/>.

- **The Center for the Performing Arts**

The Georgia Southern University Performing Arts Center is located in the Nessmith-Lane Conference Center. The 34,000 square foot facility houses an 825-seat theatre with state-of-the-art lighting and sound systems. Programming is booked to reflect the Center's mission: "To present diverse, quality cultural experiences to the Georgia Southern University and regional communities through the performing arts. To support and enhance the University's performing art departments. To promote the discovery, appreciation, and enrichment of the performing arts to all with accessibility to perform and train in a professional, state-of-the-art performing arts center." Inquiries may be directed to the Box Office at (912) 478-7999 or to the Center's administrative offices at (912) 478-0830. Visit the website at georgiasouthern.edu/pac.

University Advancement

The Division of University Advancement strives to build relationships with the external and internal constituencies of Georgia Southern University in order to support the University in its position as a nationally distinguished public institution of higher learning. Private funding and the support of alumni, parents, friends, businesses, corporations and foundations provide critical resources not available from other sources. Telling the Georgia Southern story through a comprehensive marketing and communications program advances the understanding of and engaged participation in Georgia Southern's Strategic Plan.

The Office of Development directs its efforts toward identifying, cultivating, securing and stewarding gifts for the University's programs. Fund-raising efforts include the Phonathon, the annual campus and community campaign (A Day for Southern), Annual Giving, and major gift solicitations by Development Officers to alumni, parents, friends, businesses, corporations, and foundations. The Office of Development is also the liaison for the Georgia Southern University Foundation, a separate 501(c)3 organization established in 1962, which raises private funding in an effort to meet certain educational and institutional needs at Georgia Southern University not addressed by state allocations.

The Office of Alumni Relations serves the University by establishing lifelong relationships with alumni and friends which result in alumni participating in and contributing to the continued growth of the University.

Henderson Library

The Zach S. Henderson Library is a major academic resource for the campus, with its extensive collections of academic books and journals, government publications, special book and manuscript collections, and links to networked information resources in various electronic formats.

The Henderson Library is centrally located on campus in a four-story building constructed in 1975 and renovated in 2008. The Library offers one of the most extensive operating schedules of any academic library in the state of Georgia. During the fall and spring academic terms, the Library is open for 143 of the 168 hours in each week to provide access to the Library's electronic resources, book and periodical collections, reserve reading collections, individual and collaborative study areas, and 400+ computers including laptops and iPads.

As of July 2014, the Library's collections contained 649,338 bound volumes; 896,632 microform units; and 773,206 government documents. The Library maintains subscriptions to 426 serial and periodicals titles, and 47,862 electronic journals. In addition to the extensive collections in paper and microform, the Library has a large set of information materials in electronic format, including full-text copies of articles from thousands of academic periodicals and newspapers. These electronic resources are accessible from any Internet-connected computer.

The Library also provides access to many standard software applications in the areas of word processing, spreadsheets, database management, programming languages, and graphic design. Other programs, more directly related to specific curriculum-based needs for designated courses, are also available.

The Library offers the Discover search tool that provides a single search box for simultaneously searching the Library's catalog and many databases. Searches begin with materials available in Henderson Library, but they can be expanded beyond the Library's collections for more comprehensive results. It has been referred to as a Google search for research materials. Access to the Library's catalog is available using a separate search box, and it is part of a combined catalog for the University System of Georgia, making an additional three million book titles and thousands of academic journals available within four days of a request. The Library is a full participant in the GALILEO project, Georgia's statewide library sponsored by the University System of Georgia, providing more than 200 major databases and thousands of academic journals in full-text format, as well as rapid interlibrary loans across the state. Computer stations in the Library that access GALILEO also have access to other library catalogs and databases located throughout the world.

Digital Commons@Georgia Southern is an open access digital collection implemented by the Library to collect and disseminate the intellectual and creative output of the University's faculty, staff and students. Contributions come from all over campus and include theses/dissertations, conference proceedings, research publications, brochures, and newsletters. Besides housing our University's scholarship and creative works, Digital Commons has the capacity to publish online journals and manage conferences. The site also hosts SelectedWorks web pages for our faculty, which are profiles that highlight faculty publications and achievements. All these features of the repository help to expand the visibility and influence of Georgia Southern University to outside academic communities by making publications more readily available on the open web.

The Henderson Library's administration actively seeks comments and suggestions concerning any aspect of its operations and collections. The Dean of the Library is available to meet with any member of the academic community to discuss the resources of the Library or its connections to other information networks and services throughout the world.

Intercollegiate Athletics

Intercollegiate athletics provide an opportunity for highly skilled student-athletes to compete regionally and nationally at the NCAA Division I level. These activities are conducted under the control of the Georgia Southern University Athletics Committee and within the rules and regulations of the National Collegiate Athletic Association and the Sun Belt Conference. Intercollegiate athletics are an integral part of the total college experience and, as such, Georgia Southern sponsors programs for men in football, baseball, basketball, golf, soccer and tennis, and for women in basketball, volleyball, swimming and diving, softball, soccer, tennis, rifle, golf, cross-country, and indoor/outdoor track.

Georgia Southern student-athletes and teams have enjoyed national success as evidenced by six NCAA Football Championship Subdivision titles in addition to NCAA Tournament and NCAA Championship participation in men's and women's basketball, baseball, golf, women's soccer, softball, women's tennis, outdoor track and volleyball. Georgia Southern University moved to the Football Bowl Subdivision (FBS) in 2014, and the 2014-2015 season was its first as members of the Sun Belt Conference.

James H. Oliver, Jr., Institute for Coastal Plain Science

The Institute for Coastal Plain Science (ICPS) studies the fertile world of Georgia's Coastal Plain, which covers the southern and southeastern half of the state. This environmental region provides researchers with a living laboratory, where marshes, swamps and beaches abound with life.

Georgia Southern University resides in this laboratory, and its faculty and students strive to understand the region's physical and biological resources in order to find solutions for its sustainable use and management.

Applied Coastal Research Laboratory (ACRL) (<http://cosm.georgiasouthern.edu/icps/acrl>)

In order to conduct its research, the ICPS partners with the Applied Coastal Research Laboratory (ACRL) (<http://cosm.georgiasouthern.edu/icps/acrl>), (<http://cosm.georgiasouthern.edu/icps/acrl>) a field laboratory located on Skidaway Island near Savannah, Georgia. The ACRL provides logistical support to research teams, including access to both large and small research boats, geological and geophysical field sampling equipment and full Geographic Information Systems (GIS) capabilities. Georgia Southern partners with Skidaway Institute of Oceanography, Grays Reef National Marine Sanctuary and the University of Georgia Marine Extension Service, which provides collaboration opportunities for researchers.

U.S. National Tick Collection (<http://cosm.georgiasouthern.edu/icps/collections/the-u-s-national-tick-collection-usntc>)

With over 125,000 accessioned lots, over one million specimens, their associated data, and an extensive library (reprints, monographs, and books), the U.S. National Tick collection is one of the largest curated tick collections in the world, if not the largest.

Printing & Postal Services

Printing & Postal Services is a University owned and operated facility located in the Main Dining Commons. This facility provides mail pick up, delivery, posting and boxing, and window services for faculty, staff and students.

All student mailboxes are located in the Main Dining Commons. Post office boxes will be made available to all students living in University Housing. Once these boxes are assigned, the remaining post office boxes will be made available to other students on a first come, first served basis for one full academic year for a \$20.00 fee. Non University Housing students must go to the P.O. Box Store at <http://auxiliary.georgiasouthern.edu/storesandshops/printshop/> or the lobby counter in the Main Dining Commons to purchase their box. After purchasing a box, the student will be assigned a box for the current year. The box can be accessed with three easy steps. First, log into my.georgiasouthern.edu and click on WINGS. Next, click on the "Personal Information" tab, then "View P.O. Box combination". Both the P.O. Box number and the combination will be found on this page, as well as instructions on how to open the box.

Forwarding addresses should be left for students who will be:

- graduating
- withdrawing
- leaving for a semester
- completing a voluntary cancellation form

If you forward your mail, your first class mail and periodicals will be forwarded to your forwarding address. Forwarding addresses can be updated on WINGS.

If no forwarding address is on file, mail will be returned to sender.

If you have any questions, call the Georgia Southern Printing and Postal Services at (912) 478-6245.

Student Disability Resource Center

The Student Disability Resource Center (SDRC) is committed to ensuring an equal educational opportunity for all qualified students with disabilities. A unit of Student Affairs and Enrollment Management (SAEM), the Student Disability Resource Center supports both the SAEM mission and the University's strategic plan by promoting and contributing to a university community centered on student learning and success. The SDRC office staff is responsible for the coordination of all services for students with disabilities. Our objectives are to provide reasonable academic accommodations and coordinate appropriate services based on the student's individual needs.

Students initiate services by completing the Voluntary Declaration of Disability (VDD) form located at <http://studentsupport.georgiasouthern.edu/sdrc/> under the Receiving Service tab. The VDD is returned to our office along with documentation of the disability. Academic accommodations are determined on a case-by-case basis using USG documentation guidelines found at: http://www.usg.edu/academic_affairs_handbook/section3/C793/#pappendix_e_specific_documentation_guidelines

Our office is located on the second floor of Cone Hall. Please contact us at (912) 478-1566 or Video Phone at (912) 225-9877.

Regents Center for Learning Disorders

The Regents Center for Learning Disorders (RCLD) at Georgia Southern University is one of three centers in Georgia established by the Board of Regents to provide assessments, resources, and research related to students with learning disorders. The Center serves students from GSU and 10 additional institutions in the southern area of the state. Students with a history and/or those perceived as having learning disorders, ADHD, or psychological disorders may be referred by the enrolling institution's disability service provider for a comprehensive assessment, feedback on

appropriate academic accommodations, and recommendations for optimal educational achievement. Disability service providers may consult with the Center regarding disability documentation and assessments performed by other professionals. Georgia Southern University students should first contact the Student Disability Resource Center (912) 478-1566, while students at other institutions should contact their own office for disability services for a referral to the RCLD. In addition to providing comprehensive evaluations for students, the RCLD collaborates with other institutions on statewide policy development, provides programs and services for disability service providers and their students, and provides clinical training and research opportunities for graduate students in psychology and related programs at Georgia Southern. For further information please call (912) 478-0100, or visit <http://academics.georgiasouthern.edu/rclid/>.

Visual Art Exhibitions and Permanent Collections

Gallery programming in the Betty Foy Sanders Department of Art offers students and the community multiple galleries to view contemporary and traditional art.

Housed in the Center for Art & Theatre, the Department's contemporary art galleries feature both solo and group exhibitions of modern artworks by world-renowned artists working in a range of media from traditional paintings to multi-media installations, as well as exhibitions highlighting outstanding student work created by Georgia Southern art and design students.

In addition, two permanent collections are featured in the Center for Art & Theatre. The Betty Foy Sanders Georgia Artists Collection is a permanent exhibition of artwork curated by Betty Foy Sanders since 1968. Art found in the Georgia Artists Collection is either by Georgia artists, created with materials found in Georgia or themed around the state itself. Also on permanent display, the Smith Callaway Banks Southern Folk Art Collection showcases an unprecedented collection of folk art of varying genres and media from the southeastern United States. This collection was donated by Bulloch County Historian, Smith Callaway Banks, in 2007.

Nestled between the Center for Art & Theatre and the Visual Arts Building, a sculpture garden offers visitors the opportunity to enjoy changing exhibitions of three-dimensional works of art created by students and alumni of the Betty Foy Sanders Department of Art.

All galleries and collections are open Monday through Friday, 8 a.m. to 5 p.m.; nights and weekends by appointment. Exhibits are free to the public. Guided tours are available through the Betty Foy Sanders Department of Art, (912) GSU-ARTS.

Music Program

Each academic year, the Department of Music presents more than 150 public concerts including performances in the Faculty and Guest Artist Recital Series, concerts by large and small ensembles, and student recitals. Most performances take place in the beautiful, acoustically stunning 287-seat Carol A. Carter Recital Hall in the Foy Building. The Department's performing ensembles include the Georgia Southern Symphony, Georgia Southern Chorale, University Singers, Symphonic Wind Ensemble, Wind Symphony, Georgia Southern Opera, Jazz Band, Southern Pride Marching Band, University Band, and chamber ensembles such as the Percussion Ensemble, Clarinet Quartet, Southern Saxophones, Jazz Combo, Brass Quintet, Magnolia String Quartet, Mellow-Cello-Fellowship, and GSU String Camerata. Individual students perform in graduation, junior, senior, and graduate solo recitals. Information about the Department of Music, including the Concert Calendar, is available from the departmental office (912) 478-5396 or the Department of Music web page at <http://class.georgiasouthern.edu/music/>.

Office of Research Services and Sponsored Programs

The Office of Research Services and Sponsored Programs (ORSSP) supports the Georgia Southern University faculty, staff and students in the acquisition, performance and administration of projects and programs funded from sources outside the University. ORSSP is a full-service research administration office, providing cradle-to-grave support for sponsored activity:

1. Pre-award services include - identification and dissemination of funding opportunities; proposal editing services; project budget development; assistance with sponsor forms and submission requirements; routing of proposals for institutional approval; and contract and award negotiation.
2. Post-award management services include – award acceptance on behalf of the institution; materials transfer, data use and contract negotiations; assistance to faculty in managing project budgets; submission of formal requests for award modification and extension; and project close-out.

In addition, the ORSSP Office of Research Integrity (ORI) serves as the administrative home for research compliance, providing support and guidance to the Institutional Review Board for the Protection of Human Subjects (IRB), the Institutional Animal Care and Use Committee (IACUC), and the Institutional Biosafety Committee (IBC). The ORI also administers the university processes for reviewing financial conflict of interest and export control issues.

The ORSSP provides support for the Faculty Research Committee, a Faculty Senate committee which awards competitive internal research awards on an annual basis and selects recipients of the Faculty Excellence in Research awards.

The Georgia Southern University Research and Service Foundation (GSURSF) is a nonprofit partner organization that assists, supports, and furthers the research, service, and educational missions of Georgia Southern University. The Foundation functions in cooperation with the University to simplify business processes and other interactions between the private sector and the University. The Foundation manages intellectual property resources for the discovery, development and commercialization of new ideas and technologies. The GSURSF receives all incoming external awards and assigns the performance of sponsored research projects and service delivery programs to the University.

If you have any questions, call the Office of Research Services and Sponsored Programs at (912) 478-5465.

The University Writing Center

The University Writing Center is open to all Georgia Southern students who want feedback on their writing or advice about how to become better writers. Staffed by graduate students and undergraduate peer tutors, the Writing Center offers one-on-one conferences to students working on writing projects for any course at any stage of the writing process. The Writing Center is not a remedial service, but an important resource for all student writers at all levels of ability. Tutors in the Writing Center can help writers to understand assignments, brainstorm ideas, organize information, and develop editing strategies. While the Writing Center staff will not proofread papers or do any of the actual writing for the students they work with, they will teach students effective ways to use evidence and detail, to anticipate and meet audience needs, and to streamline the structure of their arguments. Citation formats, document preparation, grammatical correctness, and stylistic fluency will also provide a focus for many writing center conferences.

Resources

- Individual, one-on-one conferences on writing projects
- Handouts on writing strategies and grammatical issues
- Handbooks, dictionaries, thesauruses, style guides
- Reference library on writing theory and writing instruction
- Online assistance and conference appointments
- Networked computer lab

Tutors are available to give short presentations about the Writing Center and its services in any class at any time during the semester.

Location and Hours

The University Writing Center is located in room 1119 in the Forest Drive Building. One hour and half hour conferences are available from Monday through Thursday, 10:00 a.m. - 6:00 p.m., and Friday, 10:00 a.m. - 3:00 p.m. Appointments can be made on a walk-in basis or online at <http://georgiasouthern.mywconline.com>. For more information about the Writing Center, please call (912) 478-1413, visit the Web site at <http://class.georgiasouthern.edu/writingcenter/> or contact the Director, Dr. Michael Pemberton, at michaelp@georgiasouthern.edu.

Academic Success Center

The Academic Success Center (ASC), a division of Student Affairs and Enrollment Management, is committed to furthering the mission of Georgia Southern University by providing a student-centered facility dedicated to promoting academic success among all students. The ASC will promote student retention by offering academic support services to students seeking to establish a firm foundation for their academic careers and life goals. Toward this purpose the ASC provides tutoring services, testing services, individual academic consultations, as well as methods of learning courses and instruction for non-traditional students in learning support classes. For more information about the ASC, call (912) 478-5371 or check the Center's web page at <http://studentsupport.georgiasouthern.edu/asc/>.

Tutoring Center

As a component of the Academic Success Center, the Tutoring Center's mission is to provide a supportive learning environment for Georgia Southern students by offering free tutoring in mathematics, statistics, biology, chemistry, literature, writing across the curriculum, American government, and history.

The tutors are recommended by professors in their subject areas and are trained, supervised, and evaluated by the ASC staff. The center has a full-time coordinator and faculty consultants from the Academic Success Center who work with tutors in implementation of the program. Check for tutoring schedules and other information on the web at <http://studentsupport.georgiasouthern.edu/asc/tutoring/> or call (912) 478-5371.

Testing Office

Another component of the Academic Success Center is the Testing Office. The Testing Office provides services to students, as well as segments of the surrounding community. Such examinations as the ACT, COMPASS, CLEP Exams, DSST Exams, Graduate Record Exam – Subject Test (GRE-Subject), Institutional SAT and ACT Exams (On-Campus SAT/ACT-Residual), Law School Admission Test (LSAT), Legislative Exemption Exams, American Council on Exercise Exams (ACE), Certification for Health Educators Specialists (CHES), Master Certification for Health Educators Specialists (MCHES), BOC Athletic Training Exam, Miller Analogies Test (MAT), Microsoft Certification Exams, SAT, TOEFL Exam, and placement tests are administered through this office. The Testing Office also assists students and community members by

providing a secure center for proctoring exams for other institutions or agencies. The Testing Office is also a Certified Testing Center for the certifications exams administered through Castle Worldwide, Certiport, ISO Quality Testing, and Kryterion certification exams. Persons interested in further information concerning dates, times, cost, eligibility and sign-up procedures should contact the Testing Office at (912) 478-5415, come by Cone Hall Room 2031 in the Academic Success Center, check the web page at <http://studentsupport.georgiasouthern.edu/asc/testing>, or email at testing@georgiasouthern.edu.

Directory Information

Georgia Southern has defined Directory Information to include the student's first and last name, post office box, local telephone number, classification (freshman, sophomore, junior, senior, or graduate student), major, photograph, participation in activities, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and most recent educational institution attended. This information is considered public information and will be released to those requesting such information unless the student has specifically requested that the information in this category be restricted. Students who wish to prohibit the release of Directory Information may present a written request to the Registrar and such information will not be released. However, requests that Directory Information be withheld from a written publication must be received in sufficient time to prevent delay in processing that publication.

Annual Notice of Privacy Rights

Georgia Southern is covered by the Family Educational Rights and Privacy Act of 1974 (FERPA) which is designed to protect the student's rights with regard to educational records maintained by the institution. Under this Act, a student has the following rights:

1. The right to inspect and review education records maintained by this institution that pertain to the student within 45 days after the day the institution receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect.;
2. The right to request the amendment of the student's education records that the student believes are inaccurate, misleading or a violation of privacy or other rights. A student who wishes to ask the institution to amend a record should write to the Office of the Registrar, clearly identifying the part(s) of the record the student wants changed, and specifying why the information should be changed.;
3. The right to provide written consent before the institution discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

Georgia Southern University discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official typically includes a person employed by the institution in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of the institution who performs an institutional service or function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing his or her tasks. A school official typically has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the institution.

Upon request, the school also discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the institution to comply with the requirements of FERPA. The name and address of the office that administers FERPA are:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202

Undergraduate Admissions

The University accepts applications from qualified applicants from all cultural, racial, religious, and ethnic groups. Admissions standards are designed to identify students whose academic backgrounds indicate they are capable of successfully completing work at Georgia Southern University. (See Equal Opportunity Policy (p. 7) statement.)

Applications for admission may be submitted online at <http://GeorgiaSouthern.edu/admissions>. Applications must be submitted prior to the application deadline.

Normally, all applicants who have applied or updated their applications prior to the application deadline for a specific term will be considered for admission. However, the University reserves the right to stop accepting applications at any time. Therefore, students are encouraged to apply or update well in advance of the application deadline.

The University reserves the right to examine any applicant by the use of psychological, achievement, and aptitude tests. Each applicant must give evidence of good moral character, promise for growth and development, seriousness of purpose, and a sense of social responsibility.

The University reserves the right to require additional biographical data and/or an interview before the applicant is accepted or denied admission. If an interview is required, the applicant will be notified.

The final decision of acceptance or denial will be made by the Director of Admissions subject to the applicant's right to appeal as provided in the policies of the Board of Regents of the University System of Georgia.

An applicant who chooses not to enroll for the semester accepted must notify the Office of Admissions to update the term of application. Acceptance may be deferred until additional information is received. An applicant who updates the intended term of entry must meet admissions requirements for the new term. Applications remain on file and are eligible for update for two years.

Immunization Requirements

Please refer to the Health Services (p. 53) section of the catalog.

Beginning Freshmen

Requirements for Summer 2015, Fall 2015, Spring 2016

Students who graduate from high school in 2012 or later must present credits for seventeen (17) specified hours. Students who graduated earlier than 2012 must present credit for sixteen (16) specified hours. The 17 (16 for students who graduated in 2011 or earlier) specified USG credit hours are:

- **Mathematics:** Four (4) credit hours of mathematics, including algebra I, algebra II, and geometry. For students who graduate from a Georgia public school in 2012 or later, the four (4) credit hours of mathematics must include a course at the level of math three (3) or higher.
- **English:** Four (4) credit hours of English which have as their emphasis grammar and usage, literature (American, English, World), and advanced composition skills.
- **Science:** Students who graduate in 2012 or later must have four (4) credit hours of science. Three (3) credit hours of science are required for those who graduated in 2011 or earlier. Students need at least one laboratory course from the life sciences and one laboratory course

from the physical sciences. Georgia public high school graduates must have at least one (1) credit hour of biology, one (1) credit hour of physical science or physics, and one (1) credit hour of chemistry, earth systems, environmental science, or an advanced placement science course.

- **Social Science:** Three (3) credit hours of social science, with at least one (1) course focusing on United States studies and one (1) course focusing on world studies.
- **Foreign Language:** Two (2) credit hours in the same foreign language emphasizing speaking, listening, reading, and writing. Two (2) credit hours of American Sign Language may be used to satisfy this requirement.

An applicant will be considered for admission upon compliance with the following requirements and conditions¹:

1. Graduation from an approved secondary school;
2. Satisfactory completion of the required high school curriculum, which should include the following units as defined above:

4	Mathematics
4	English
4	Science
3	Social Science
2	Foreign Language
3. Submission of satisfactory scores on the College Board Scholastic Aptitude Test (SAT) - minimum 1010 SAT total (math + critical reading) - or American College Test (ACT) with a 21 composite;
4. U.S. citizens or resident aliens for whom English is not the native language may be required to take the English Language Placement Exam upon arrival. Resident aliens must submit a copy of their green card;
5. Submission of an official high school transcript and a record of good conduct. Major or continued difficulty with the school or civil authorities may make an applicant ineligible regardless of academic qualifications.

Georgia Southern University offers the summer Eagle Incentive Program, for students provisionally accepted for fall admission to demonstrate their ability to succeed at college-level work. Students who pass all courses and earn a "C" or better GPA can enroll regularly for Fall 2015. For eligibility requirements please refer to GeorgiaSouthern.edu/eip (<http://admissions.georgiasouthern.edu/programs/eagle-incentive-program>).

Applicants are usually admitted prior to high school graduation, once they have completed their junior year of high school and have submitted an official high school transcript. The transcript should include a satisfactory grade point average and a full listing of senior year courses yet to be completed. Satisfactory SAT or ACT scores must be requested from the testing agency and sent directly to the Office of Admissions by that testing agency.

An individual seeking admission as a special student not pursuing a degree program must submit a statement as to the type of studies to be pursued and the reason for selecting a special program. The individual must also submit documents and satisfactory scores on such ability or achievement tests as may be prescribed by the Director of Admissions.

Please note: Students applying to the Georgia Southern nursing program must meet general admission requirements, as well as meet specific nursing program requirements. An additional application to the nursing program is required. Admission to Georgia Southern University does not guarantee acceptance into the nursing program.

(GED holders - See Mature Student (p. 34) criteria)

¹ All requirements are subject to change. Please contact the Office of Admissions at (912) 478-5391 or at <http://admissions.georgiasouthern.edu/> for current admission requirements.

Required High School Curriculum Requirements for Summer 2015, Fall 2015, Spring 2016

The following high school courses are required of students who plan to enroll in regular college programs leading to the baccalaureate degree in institutions of the University System of Georgia: four credit hours of English (including grammar and usage, American and world literature, and advanced composition skills), four credit hours of science (including at least one lab course from the life sciences and one lab course from the physical sciences), four credit hours of mathematics (algebra I, algebra II, geometry and trigonometry or higher), three credit hours of social science (including one course focusing on United States studies, one course focusing on world studies, and a third college prep social science course), and two credit hours of the same foreign language (skills-building courses emphasizing speaking, listening, reading, and writing). The Board of Regents provides a listing of specific qualifying college preparatory and academic courses in the Student Affairs Handbook, Section 3.2.3. It is available on-line at **USG Academic Affairs Handbook**.

Additional courses selected from the following areas are also strongly recommended: trigonometry, a third course in foreign language or study of a second foreign language, fine arts (art, dance, drama, music), computer technology, health and physical education.

Students who have completed the required high school curriculum and who meet all other admission requirements will be considered for admission to Georgia Southern University as regularly admitted students.

Dual Enrollment: Accel, Joint Enrollment, Move On When Ready

Dual enrollment courses are primarily available for eligible 11th or 12th grade (in some limited cases 9th-10th grade) high school students. Students may enroll full-time or part-time in approved credit-bearing college-level courses. The Accel Program and Move On When Ready are the most common dual enrollment programs.

The Accel Program

Students who are receiving dual credit for high school courses and college level courses from an eligible public or private college in Georgia will be eligible for the Accel Program. Public or private HOPE-eligible high schools can participate in this program. Students are eligible for the program as long as they are classified as a Georgia resident for purposes of in-state tuition, according to the Board of Regents policy, for at least 12 consecutive months immediately preceding the first day of classes of the school term for which Accel Program payment is sought. Eligible high school courses include only core-curriculum courses of English Language Arts, Mathematics, Social Studies, Science, and Foreign Language that can be used to satisfy the required high school curriculum. Hours paid for by the Accel Program will not be counted towards the 127 semester HOPE credit hour cap. The Accel Program award for public colleges and universities will cover tuition only.

Students must apply by submitting an application for admission to Georgia Southern (no application fee required), high school transcript, SAT or ACT scores and an online Accel Program application. The Georgia Department of Education (DOE) has produced and provided to the Georgia Student Finance Commission (GSFC) a directory of eligible public high school courses that can be substituted with college level coursework

and applied toward high school graduation requirements for dual credit students. Georgia Student Finance Commission contact information - (770) 724-9000 or <http://www.gsfc.org/>.

Questions regarding this program should be directed to the student's high school counselor or the Office of Admissions. Students should confer with their high school counselor to determine which courses are necessary for satisfying high school graduation requirements. Placement in these courses cannot be guaranteed.

Homeschooled students who meet the University System of Georgia and Georgia Southern University admission requirements may also be eligible to participate.

Accel is a state-funded program for public and private high school students that provides dual enrollment tuition assistance in Georgia. The program offers the opportunity to earn dual credit, satisfying high school and college core curriculum requirements. Joint-enrollment is not a state-funded program and does not guarantee satisfaction of the high school core curriculum.

Admission Requirements for the Accel Program or Joint Enrollment

Eligible students may apply to enroll for college credit while attending high school. To be admitted, the student must satisfy the following:

1. Earn an academic grade point average of at least a 3.0 (85 on numeric scale) as calculated by the Office of Admissions;
2. ¹Submit satisfactory scores on the College Board Scholastic Aptitude Test (SAT) - minimum 1010 SAT total (math + critical reading) - or American College Test (ACT) with a 21 composite;
3. Gain permission from their high school guidance counselor to participate in the program;
4. Submit the online Accel Program application on the GaCollege411 website (Accel students only)(in addition to the application for admission); and
5. Meet all other regular (non-provisional) admissions requirements.

Students who are dual enrolled during high school with a college or university other than Georgia Southern University must meet the University System of Georgia's joint enrollment requirements before credit will be awarded in transfer to Georgia Southern.

Accel students will only receive letter grades from Georgia Southern University. Numeric grades are not provided to the high schools.

Move On When Ready (MOWR)

Students who are entering 11th or 12th grade and who have spent the prior year (two consecutive semesters) in attendance at a Georgia public high school are eligible for the Move On When Ready program. Public HOPE-eligible high schools can participate in this program. Private school and homeschooled students are not eligible for Move On When Ready. A high school student must be classified as an 11th or 12th grader to participate and be classified as a Georgia resident for purposes of in-state tuition, according to the Board of Regents policy, for at least 12 consecutive months immediately preceding the first day of classes of the school term for which Move On When Ready payment is sought.

Eligible high school courses include only core curriculum courses of English Language Arts, Mathematics, Social Studies, Science, and Foreign Language that can be used to satisfy the core curriculum high school graduation requirements. Students must be enrolled in a minimum of 12 credit hours as of the last day of the postsecondary institution's drop/add period.

Only tuition and a portion of the mandatory fees will be paid by the Georgia Department of Education. All other charges will be the

responsibility of the student and payment will be required by the published fee deadline. MOWR does not cover any hours taken above the required 12 credit hours nor does it cover courses not on the approved GSFC Accel course listing. Postsecondary institutions are under no obligation to offer courses that will ensure a student participating in MOWR will complete high school graduation requirements on time. MOWR is available fall and spring semesters only.

Students must apply by submitting an application for admission to Georgia Southern (no application fee required), high school transcript, and SAT or ACT scores. The Georgia Department of Education (DOE) has produced and provided to the Georgia Student Finance Commission (GSFC) a directory of eligible public high school courses that can be substituted with college level coursework and applied toward high school graduation requirements for dual credit students. Georgia Student Finance Commission contact information - (770) 724-9000 or <http://www.gsfc.org/>.

Questions regarding this program should be directed to the student's high school counselor or the Office of Admissions. Students should confer with their high school counselor to determine which courses are necessary for satisfying high school graduation requirements. Placement in these courses cannot be guaranteed.

Move On When Ready is a state-funded program for public high school students that provides dual enrollment tuition assistance in Georgia. The program offers the opportunity to earn dual credit, satisfying high school and college Required High School Curriculum.

Admission Requirements for Move On When Ready

To be admitted, the student must satisfy the following:

1. Earn an academic grade point average of at least a 3.0 (85 on numeric scale) as recalculated by the Office of Admissions;
2. ¹Submit SAT scores of at least 1010 (math + critical reading only) or 21 Composite ACT;
3. Gain permission from their high school guidance counselor to participate in the program;
4. Submit the MOWR Georgia Southern Checklist and Permission Form (available from the Office of Admissions) (in addition to the application for admission); and
5. Meet all other regular (non-provisional) admission requirements.

Students who participate in MOWR during high school with a college or university other than Georgia Southern University must meet the University System of Georgia's dual enrollment requirements before credit will be awarded in transfer to Georgia Southern.

MOWR students will only receive letter grades from Georgia Southern University. Numeric grades are not provided to the high schools.

- 1 Admission requirements are subject to change.

Transfer Admission

Transfer admission policies are subject to change. Interested applicants should contact the Office of Admissions.

Applicants who have attended any college or university after high school should satisfy the following:

1. Request the Registrar at each institution attended, regardless of length of attendance or amount of credit earned, send an official transcript to the Office of Admissions at Georgia Southern University.

2. Present a satisfactory academic record from each institution attended. Admission will be evaluated in accordance with one of the following categories, as appropriate:
 - a. Generally, students completing a transferable A.A. or A.S. degree with at least a 2.0 cumulative GPA (4.0 scale) in a college or university with parallel curriculum will be offered admission.

Note: Georgia Southern does not recognize the Associate of Applied Science degrees.
 - b. Students who have earned 30 or more semester credit hours (45 quarter) of collegiate work: admission will be granted only if the student has a cumulative grade point average of at least 2.0 on all collegiate work attempted.
 - c. Students who have earned fewer than 30 semester credit hours (45 quarter): admission will be granted only if the student meets all current requirements for regular freshman admission to Georgia Southern University, is eligible to return to their previous institution, has at least a 2.0 cumulative college GPA, and has not taken any learning support/remedial/high school deficiency make-up courses while in college.
 - d. GED transfer applicants are required to complete at least 30 credit hours (45 quarter) of transferable work with a 2.0 cumulative GPA.

Applicants will not be eligible for admission if they are under current dismissal from any other institution. Students who have earned under 30 semester credit hours (45 quarter) of college parallel credit at another institution, have not met Georgia Southern University's freshman admission requirements, and/or are enrolled in or have completed remedial/learning support/high school deficiency make-up courses at another college will not be eligible for admission until they successfully complete the following: remedial/learning support/high school deficiency make-up courses, have earned 30 semester credit hours (45 quarter) of transferable credit with a cumulative 2.0 GPA, and have successfully completed a college level course in the same subject as the remedial/learning support/high school deficiency make-up course with a C or higher grade. **Note: Required high school curriculum make-up, remedial, or learning support classes do not count toward the 30 semester credit hours (45 quarter) of transferable work.**

The Director of Admissions will ordinarily determine the applicant's eligibility on the basis of the above requirements but may also require the applicant to meet any or all of the following:

1. Present transcripts of high school work and meet freshman admission requirements.
2. A personal interview.
3. Present results for any psychological, achievement or aptitude test that the college may prescribe.

Some programs may require additional materials for review before admission to a program of study is approved. Students must be admitted to the University in order to be admitted to a program of study.

Transfer Credit/Military Credit

Accepted applicants who have attended any college or university may be granted advanced standing according to the following policies:

1. Transfer credit may be accepted from degree-granting institutions that are fully accredited at the collegiate level by their appropriate regional accrediting agency. The regional accrediting agencies are: Middle States Association of Colleges and Schools, North Central Association of Colleges and Schools, New England Association of Colleges and Schools, Northwest Association of Colleges and Schools, Southern Association of Colleges and Schools, and Western Association of Colleges and Schools. Provisions may be considered when an institution appeals the policy. However, should the quality of the educational program of the institution attended appear to be mediocre

or unsatisfactory, the Director of Admissions has the prerogative not to accept all or any part of previously earned credits.

2. The amount of academic credit accepted in transfer may not exceed the normal amount of credit that could have been earned at Georgia Southern University during that time.
3. All degree requirements for a transferable academic associate's degree must be completed at a transferable regionally accredited institution. Georgia Southern will not accept credit in transfer from any non-accredited college.
4. Credit will be allowed for completed college courses which are parallel in nature. Below college level (remedial or learning support) courses cannot be accepted in transfer.
5. The Academic Unit responsible for the course will make judgments concerning satisfying requirements for areas A1-E of the Core Curriculum.
6. Transfer students who have a transferable academic associate's degree are granted core curriculum credit as follows:
 - a. A University System transfer will get credit for completion of core areas A1-F, health and kinesiology, provided they have not changed their intended major from the transferring school. If they change majors, they will have to complete area F at Georgia Southern University (*Academic Affairs Handbook, University System of Georgia, 2.04.04*).
 - b. Non-system transfers who have completed a program with 60 credit hours or more will be given credit for core areas A1-E, health and kinesiology (46 credit hours). Area F courses will be evaluated by the major advisor for use in the student's program of study.
7. Credits accepted in transfer by Georgia Southern University may not necessarily apply as credit hours toward graduation. Final determination, with exception of areas A1-E of the core curriculum, will be made by the appropriate academic advisor and are subject to the regulations of the school and department granting the degree and major.
8. Transfers who have earned 30 or more credit hours are exempt from First-Year Seminar (FYE 1220). Transfer students with fewer than 30 credit hours may seek a waiver of the First-Year Seminar (FYE 1220) requirement through their academic advisors if they meet either of the following criteria:
 - a. they were full-time college students for two semesters at a previous institution; or
 - b. they earned credit hours for a two- or three-hour FYE course at a previous institution that has similar learning outcomes to First-Year Seminar (FYE 1220).
9. A maximum of 30 credit hours of correspondence (including Advanced Placement, CLEP, DANTES, Military Credit, Extension, etc.) or a maximum of 24 credit hours of International Baccalaureate credits may be accepted for transfer within the following guidelines:
 - a. A minimum grade of "C" is required for courses completed by extension or correspondence.
 - b. A maximum of 14 semester hours of credit for military service experience may be awarded upon receipt of AARTS or DD 214 or DD295 or JST or any other official documentation in the Registrar's Office.
 - Fourteen credit hours including up to four credit hours for physical education activity courses may be awarded for correspondence courses as recommended by the American Council on Education (A.C.E.).
 - Two credit hours will be allowed for Physical Conditioning and Marksmanship for active service less than one year and four credit hours for physical education activity courses may be allowed for one year or more active service.
 - c. Military experience credit should be appropriate to the degree programs offered at Georgia Southern University.

- d. Any credit hour awarded for participation in the DANTES program will be awarded and administered in the same manner as CLEP.

Credit by Examination

Advanced Placement, International Baccalaureate, and CLEP

Georgia Southern University is a participant in the Advanced Placement (AP) Program, the International Baccalaureate (IB) program, and the College Level Examination Program (CLEP) of the College Entrance Examination Board. Under the AP and IB programs, a student offers a nationally graded examination as evidence of completion of a college level course taken in high school. Depending on the results of the examination, the student may receive credit for courses covering similar material. The total college course credit hours awarded for IB assessments may not exceed 24. Under the College Level Examination Program and Advanced Placement, the University grants up to 30 credit hours of general education credit to those students who obtain the minimum scores defined by University policy. (Credit will not be awarded if the student has previously registered for a similar course or a more advanced course in the same field, or if six months have not elapsed since last taking the test.) For further information contact the Director of Admissions or check the website, <http://admissions.georgiasouthern.edu/programs/ap-ib-clep/>.

Proficiency Exams

Georgia Southern University also offers the student an opportunity to obtain credit by local proficiency examination. The procedure is as follows:

1. Student eligibility must be determined by the Office of the Registrar.
2. After obtaining the proper form from the Office of the Registrar, the student petitions the department head of the subject area for an examination covering a particular course listed in the catalog.
3. The student and the examiner will decide the date and time of the examination.
4. If the petition is approved, the student must pay a test fee of \$15 per test to the Cashier's Office in Deal Hall. A receipt will be issued which will allow the student to take the test. The receipt must be attached to the Proficiency Exam Form.
5. Credit hour obtained by proficiency examination will be considered resident credit.
6. The proficiency exam score must be at least a "C" to award credit by exam. The Office of the Registrar will enter a grade of "K" on the student's academic record showing credit hours were earned by proficiency examination, upon receiving the documents from the department.

Transient Admission

Subject to the availability of faculty, space, and facilities, a regular undergraduate student in good standing at another accredited institution may be permitted to enroll one semester at Georgia Southern University in order to complete work to be transferred back to the parent institution. The transient applicant should:

1. Submit the undergraduate application and application fee.
2. Present a statement from the Dean or Registrar of the home institution to the effect that he or she is in good academic standing and eligible to return to that institution.

Post-Baccalaureate Admission

Applicants for admission with a bachelor's degree from an accredited institution but who are not seeking graduate-level credit hours are

expected to meet general admission requirements established for enrollment in undergraduate programs.

In addition to the general application for admission form and the application fee, applicants are required to submit an official transcript to the Director of Admissions from the institution in which they received their undergraduate degree. If the applicant is seeking an additional degree, official transcripts from all previous institutions will be required.

Individuals enrolled as post-baccalaureate students are eligible to take undergraduate level courses only.

International Student Admission

Georgia Southern subscribes to the principles of international education and to the concept that education and diversity can promote respect, appreciation, understanding, and tolerance of other cultures.

International students, permanent residents, and naturalized citizens graduating from U.S. high schools must meet requirements and conditions set forth under the heading of "Beginning Freshmen" in the Admissions section of this catalog. This includes completion of college preparatory subjects, submission of satisfactory scores on the Scholastic Aptitude Test (SAT) or the American College Test (ACT), and satisfactory grade point average. Students transferring from U.S. colleges or universities must meet the same requirements set forth in the "Transfer Admission" section of this catalog.

Applicants graduating or transferring from schools outside the United States will be considered for admission upon compliance with the following requirements:

1. Transfer students must submit an evaluation of international transcripts completed by a professional evaluation agency.
2. Submission of original or official secondary school and higher educational records including exam results, certificates, degrees, diplomas, and/or transcripts in the native language. The grade point average must be above average in academic work.
3. Submission of all educational documents translated into English; must be official translations.
4. Non-native English speakers must submit satisfactory scores on the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS). International students whose native language is not English, but whose secondary instruction was exclusively in English, must submit Scholastic Aptitude Test (SAT scores) or American College Test (ACT) scores.
Native speakers of English will be required to submit satisfactory scores on the SAT or ACT.
5. Applicants who require an F-1 student visa must submit a SEVIS Data Form and official documentation from a financial institution showing a minimum of one year's educational and living expenses. The University assumes no financial responsibility for the student. Without this financial evidence, the University cannot issue the required I-20 Certificate of Eligibility for Nonimmigrant F-1 Student Status. Continuation of enrollment into a new program of study, such as a master's degree, requires additional financial documentation.
6. If the student is in the United States or has a U.S. visa, they must submit a copy of the visa, I-94, and passport information.

International students, permanent residents, and naturalized citizens, regardless of TOEFL or SAT/ACT scores, may be required to take an English placement exam upon arrival at Georgia Southern University. Georgia Southern University maintains the philosophy that all students who gain admission should be given the best chance possible to succeed. Since students enter at many levels of ability and preparation, the University seeks to give assistance to each student where needed. Georgia Southern University offers a full range of English Language

Program courses designed specifically to assist students whose native language is not English in developing English skills.

Students in F-1 visa status are responsible for making sure they comply with all laws regulating their visa status. To assist students with maintaining their visa status, a summary of the visa laws are sent with the I-20 and are provided at the International Orientation session after arrival on campus. In addition, handouts are available in the Center for International Studies in the Forest Drive building. Students are encouraged to contact the Center for International Studies for information and assistance at (912) 478-7435 or on the web at <http://GeorgiaSouthern.edu/international> (<http://academics.georgiasouthern.edu/international>).

Two basic aspects of maintaining status involve employment and full-time enrollment. F-1-visa law allows students to work on campus for a maximum of 20 hours a week. During summer semesters (if not enrolled) and official breaks, students are permitted to work on campus full time. Off-campus work is NOT permitted without specific authorization from Georgia Southern's Immigration Specialist or U.S. Citizenship and Immigration Services. F-1 visa law requires students to carry a FULL course of study during fall and spring semesters. Summer semesters are recognized as vacation terms and enrollment is not required. For international students in F-1 status, no more than one online class per semester may be counted toward the full course of study requirement.

Full time enrollment is as follows:

12 credit hours per semester = Undergraduate

Georgia Southern will only admit students who are academically qualified.

The University System of Georgia requires all international students to have adequate health insurance. An insurance plan is available through the University and is administered by the Center for International Studies. The current cost is approximately \$1,500 per year for undergraduate students and is paid in two installments. The August premium (payment) covers fall semester and the January premium covers spring and summer semesters. Students who have health insurance that provides coverage in the U.S. may submit an International Student/Scholar Insurance Waiver Form, available through the Center for International Studies, to their insurance company. If the waiver is received directly from the insurance company and indicates the student has insurance comparable to the policy available through Georgia Southern, the insurance premium will be removed from the student's fees. Insurance is also available for dependents. Additional information on the international health insurance plan can be obtained from the Center for International Studies.

Special Admission for Students Age 62 and Older

Georgia citizens who are 62 years of age or older have the option, as granted by Amendment 23 of the Georgia Constitution, of enrolling in the University without the payment of tuition and fees subject to the following conditions:

- Must be a legal resident of Georgia;
- Must be 62 years of age or older and present proof of age before registration;
- Must enroll as a regular student to audit or take courses offered for resident credit;
- Must pay for books, supplies, laboratory and/or miscellaneous fees.

An eligible student may petition for the Senior Citizen Fee Waiver by visiting the website below (click on Senior Citizen Waiver), printing the form, and providing the completed petition and documentation to the Office of the Registrar:

<http://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/>

Individuals who do not qualify as mature students (see below) must also satisfy the following:

- Must meet all Georgia Southern University and University System of Georgia admission requirements including high school graduation, SAT or ACT scores, and participation in Learning Support if required;
- If the applicant has previously attended another college or university, he or she must satisfy transfer admission requirements;
- If a course of study is pursued to degree, all institutional, system, and state-legislated degree requirements must be met. (See Requirements for Graduation (p. 71) in the Academic Information Section.)

Special Admission for Mature (Non-Traditional) Students

Applicants applying for admission as a mature student must meet the following requirements:

1. Students who have been out of high school for at least five years or whose high school class graduated at least five years ago and have earned fewer than 30 transferable credit hours of college credit are not required to take the SAT or ACT. Prior to registering for classes, you may be required to take the COMPASS exam, and complete learning support requirements.
2. In addition to the application and application fee, applicants must submit a high school transcript, college transcript, and/or GED scores.

Readmission Policy

The following students must fill out a former student readmission application:

1. Students who do not attend the University for one calendar year.
2. Students whose most recent academic standing was exclusion.
3. Students who have earned a baccalaureate degree from Georgia Southern University who wish to enroll in additional undergraduate courses.
4. Students who wish to return as a transient student to Georgia Southern University.

Students can follow this link, <https://www.sta.georgiasouthern.edu/Axiom/Login.aspx?SourceID=25;> to complete the former student readmission application.

Note: Students who are not required to file an application for readmission who have attended another institution while away from Georgia Southern University should contact that school and have an official transcript sent to Georgia Southern University Office of the Registrar.

The transcript must indicate that the student is in good academic standing at the last school attended. Failure to submit this transcript by the midpoint of the first term after returning to Georgia Southern University could result in the administrative withdrawal of the student.

Tuition Classification

Regents' Policies Governing Classification of Students for Tuition Purposes: Under the Constitution and the laws of Georgia, the Board of Regents of the University System of Georgia was created to govern, control, and manage a system of public institutions providing quality higher education for the Georgia citizens. The State, in turn, receives substantial benefit from individuals who are attending or who have attended these institutions through their contributions to the civic, political, economic

and social advancement of the citizens of Georgia. Because of the overwhelming amount of financial support supplied by the citizens of Georgia, the determination of whether a student is a resident or a non-resident of Georgia is a significant matter. The tuition paid by in-state students covers about one-fourth of the total cost of their education in Georgia. Georgia taxpayers are therefore contributing 75 percent of the funds for quality education in the state. State colleges and universities often assign out-of-state students a higher tuition rate in an attempt to achieve parity between those who have and those who have not contributed to the state's economy recently. The courts consider the durational residency requirement (usually 12 consecutive months) imposed by most states to be a reasonable period during which the new resident can make tangible or intangible contributions to the state before attending state colleges as an in-state student. The term "resident" is confusing because it can refer to voter registration, driver's license, automobile registration, income taxes and other matters. A student may be a resident of Georgia for some purposes, but not entitled to in-state tuition fees. Courts have consistently upheld the right of these institutions to charge out-of-state students higher rates. The courts have also upheld the institution's right to adopt reasonable criteria for determining in-state status. Through the resident and non-resident fees, the taxpayers of Georgia are assured that they are not assuming the financial burden of educating non-permanent residents.

If a person has moved to the state of Georgia for the purpose of attending a Georgia educational institution, it is difficult for that person to prove his/her intent to become a legal resident of the state. (The American Heritage Dictionary of the English Language defines intent in the following manner: n. 1. That which is intended; aim; purpose.)

Verification of Lawful Presence

Each University System institution shall verify the lawful presence in the United States of every successfully admitted person applying for resident tuition status as defined in Section 7.3 of the University System of Georgia Board of Regents Policy Manual which can be found at <http://www.usg.edu/policymanual/>.

Institutions may use a number of different methods to verify the lawful presence of their students. The methods include the following:

- A Certified U.S. Birth Certificate showing the student was born in the U.S. or a U.S. territory. A photocopy is not acceptable.
- A U.S. Certificate of Naturalization (USCIS form N-550 or N-570).
- A U.S. Certificate of Citizenship (USCIS form N-560 or N-561).
- A U.S. Certificate of Birth Abroad issued by the Department of State (DS-1350) or a Consular Report of Birth Abroad (FS-240).
- A current U.S. Passport.
- A current Driver's License issued by the State of Georgia after January 1, 2008 for a term greater than two years.
- A current ID issued by the State of Georgia after January 1, 2008.
- A current Military ID (service member only, not dependent). A photocopy is not acceptable.
- A current, valid Permanent Resident Card (USCIS form I-151 or I-551)

The Office of Student Affairs of the University System of Georgia has developed a web page to provide students, parents and high school counselors with information about the lawful presence requirement. This page can be accessed by going to http://www.usg.edu/student_affairs/students/verification_of_lawful_presence.

Petition for Classification of Students for Tuition Purposes

1. If a person is 18 years of age or older, he or she may register as an in-state student only upon showing that he or she has been a legal

resident of Georgia for a period of at least 12 months immediately preceding the date of registration.

Exceptions:

- a. A student who previously held residency status in the State of Georgia but moved from the state then returned to the state in 12 or fewer months.
2. A student must independently make an income of \$11,490 a year, which according to the Board of Regents, is the minimum amount of income a student must make to be considered for in-state residency approval (For more details about this rule set by the BOR, visit this website <http://aspe.hhs.gov/poverty/index.cfm>). If the student is basing his/her petition on his/her parent, guardian or spouse, the income rule would apply to the person supporting the dependent student.
3. No emancipated minor or other person 18 years of age or older shall be deemed to have gained or acquired in-state status for tuition purposes while attending any educational institution in this state, in the absence of a clear demonstration that he or she has in fact established legal residence in this state.
4. If a parent or legal guardian of a student changes his or her legal residence to another state following a period of legal residence in Georgia, the student may retain his or her classification as an in-state student as long as he or she remains continuously enrolled in the University System of Georgia, regardless of the status of his or her parent or legal guardian.
5. In the event that a legal resident of Georgia is appointed by a court as guardian of a nonresident minor, such minor will be considered as an in-state student providing the guardian can provide proof that he or she has been a resident of Georgia for the period of 12 months immediately preceding the date of the court appointment.
6. Aliens shall be classified as nonresident students, provided, however, that an alien who is living in this country under an immigration document permitting indefinite or permanent residence shall have the same privilege of qualifying for in-state tuition as a citizen of the United States upon proving 12-month residency period in Georgia.

Due to the requirement that a person prove his/her intent to become a legal resident of the state of Georgia, his/her petition may not be approved. The burden of proof is always on the student, and documentation is absolutely necessary to prove any claims. If his/her petition for legal residency for tuition purposes is denied, the student may appeal the decision to the Tuition Classification Committee.

TERM DEADLINES for submitting a Petition for Classification of Students for Tuition Purposes:

Fall - August 1st

Spring - November 1st

Summer - April 1st

Student Responsibilities

1. **Student Responsibility to Register under Proper Classification**
- The responsibility of being classified under the proper tuition classification belongs to the student. If there is any question of his/her right to in-state tuition status, it is his/her obligation, within the deadlines set on the Residency website, to raise the question with the administrative officials of the institution in which he/she is registering and have it officially determined. The burden always rests with the student to submit information and documents necessary to support his/her contention that he/she qualifies for a particular tuition classification under Regents' regulations.
2. **Official Change of Tuition Status** - Every student classified as a nonresident shall retain that status until he/she petitions for reclassification in the form prescribed by the institution and shall be officially reclassified in writing as an in-state student by the proper administrative officers. No more than one application may be filed for a given semester.

3. **Reclassification** - Every student who has been granted in-state tuition as a legal resident of Georgia shall be reclassified as an out-of-state student whenever he/she reports, or there have been found to exist, circumstances indicating a change in legal residence to another state.

Out-of-State Tuition Waivers

An institution may waive out-of-state tuition and assess in-state tuition for:

1. **Academic Common Market.** Students selected to participate in a program offered through the Academic Common Market.
2. **Presidential.** Presidential waivers are divided into three categories: (1) academic, (2) international, and (3) athletic. Students selected by the institutional president or an authorized representative, provided that the number of such waivers in effect does not exceed 2 percent of the equivalent full-time students enrolled at the institution in the fall term immediately preceding the term for which the out-of-state tuition is to be waived. Out-of-state students may apply by completing the Application for Scholarships and the University Honors Program found at <http://GeorgiaSouthern.edu/admissionscholarships>. International students may apply on the International Admissions page at the following address: <http://admissions.georgiasouthern.edu/wp-content/uploads/2012/05/IntDivScholarship.pdf>. Student athletes should speak with their recruiting coach.
3. **University System Employees and Dependents.** Full-time employees of the University System, their spouses, and their dependent children.
4. **Full-Time Public School Employees.** Full-time employees in the public schools of Georgia or of the Technical College System of Georgia, their spouses, and their dependent children.
5. **Career Consular Officials.** Career consular officers, their spouses, and their dependent children who are citizens of the foreign nation that their consular office represents and who are stationed and living in Georgia under orders of their respective governments.
6. **Military Personnel.** Military personnel, their spouses, and their dependent children stationed in or assigned to Georgia and on active duty. The waiver can be retained by the military personnel, their spouses, and their dependent children if:
 - a. The military sponsor is reassigned outside of Georgia, and the student(s) remain(s) continuously enrolled and the military sponsor remains on active military status;
 - b. The military sponsor is reassigned out of state and the spouse and/or dependent children remain in Georgia and the sponsor remains on active military duty; or
 - c. Active military personnel and his/her their spouse and/or dependent children who are stationed in a state contiguous to the Georgia border and who live in Georgia.
7. **Georgia National Guard and U.S. Military Reservists.** Active members of the Georgia National Guard, stationed or assigned to Georgia or active members of a unit of the U.S. Military Reserves based in Georgia, and their spouses and their dependent children.
8. **International and Domestic Exchange Program.** Any student who enrolls in a University System institution as a participant in an international or domestic direct exchange program that provides reciprocal benefits to University System students.
9. **Economic Advantage.** As of the first day of classes for the term, an Economic Advantage waiver may be granted under the following conditions:
 - U.S. Citizens, Permanent Residents, and Other Eligible Non-Citizens
 - i Dependent Students
Dependent students providing clear and convincing evidence that the student's parent or U.S. court-appointed legal guardian relocated to the state of Georgia to accept full-time, self-sustaining employment. The relocation must be

for reasons other than enrolling in an institution of higher education and appropriate steps to establish domicile in the state must be taken. The employment upon which the relocation was based must be held at the time the waiver is awarded.

ii Independent Students

Independent students providing clear and convincing evidence that they, or their spouse, relocated to the state of Georgia to accept full-time, self-sustaining employment. The relocation to the state must be for reasons other than enrolling in an institution of higher education and appropriate steps to establish domicile in the state must be taken. The employment upon which the relocation was based must be held at the time the waiver is awarded.

iii U.S. refugees, asylees, and other eligible noncitizens as defined by the federal Title IV regulations may be extended the same consideration for the Economic Advantage waiver as citizens and lawful permanent residents of the United States.

Waiver eligibility for the above qualifying students expires twelve (12) months from the date the waiver is awarded. Non-Citizens

• Non-Citizens

i Dependent Students

Non-citizen dependent students providing clear and convincing evidence that the student's parent or U.S. court-appointed legal guardian relocated to the state of Georgia to accept full-time, self-sustaining employment and entered the state in a valid, employment-authorized status. The relocation must be for reasons other than enrolling in an institution of higher education and appropriate steps to establish domicile in the state must be taken. The employment upon which the relocation was based must be held at the time the waiver is awarded. Additionally, the non-citizen dependent student must provide clear evidence that the parent, or U.S. court-appointed legal guardian, is taking legally permissible steps to obtain lawful permanent resident status in the United States.

ii Independent Students

Non-citizen independent students must provide clear and convincing evidence that they, or their spouse, relocated to the state of Georgia to accept full-time, self-sustaining employment and entered the state in a valid, employment authorized status. The relocation must be for reasons other than enrolling in an institution of higher education and appropriate steps to establish domicile in the state must be taken. The employment upon which the relocation was based must be held at the time the waiver is awarded. Additionally, non-citizen independent students must provide clear evidence that they, or their spouse, are taking legally permissible steps to obtain lawful permanent resident status in the United States.

Waiver eligibility for the above qualifying students may continue provided full-time, self-sustaining employment in Georgia and the employment-authorized status are maintained. Furthermore, there must be continued evidence of Georgia domicile and efforts to pursue an adjustment to United States lawful permanent resident status

10. **Recently Separated Military Service Personnel.** Members of a uniformed military service of the United States who, within 3 years/36 months of separation from such service, enroll in an academic program and demonstrate an intent to become a permanent resident of Georgia. This waiver may also be granted to their spouses and dependent children. There is no limit to the number of terms a student may be awarded the Recently Separated Military Personnel waiver provided the student remains continuously enrolled.

11. **Nonresident Student.** As of the first day of classes for the term, a nonresident student can be considered for this waiver under the following conditions:

• Student under 24

If the parent, or U.S. court-appointed legal guardian has maintained domicile in Georgia for at least 12 consecutive months and the student can provide clear and legal evidence showing the relationship to the parent or U.S. court appointed legal guardian has existed for at least 12 consecutive months immediately preceding the first day of classes for the term. Under Georgia code legal guardianship must be established prior to the student's 18th birthday.

• Student 24 or Older

If the student can provide clear and legal evidence showing relations to the spouse and the spouse has maintained domicile in Georgia for at least 12 consecutive months immediately preceding the first day of classes for the term. This waiver can remain in effect as long as the student remains continuously enrolled.

If the parent, spouse, or U.S. court-appointed legal guardian of a continuously enrolled nonresident student establishes domicile in another state after having maintained domicile in the State of Georgia for the required period, the nonresident student may continue to receive this waiver as long as the student remains continuously enrolled in a public postsecondary educational institution in the state, regardless of the domicile of the parent, spouse or U.S. court appointed legal guardian

12. **Vocational Rehabilitation Waiver.** Students enrolled in a University System of Georgia institution based on a referral by the Vocational Rehabilitation Program of the Georgia Department of Labor.

13. **Special Admission for Students Age 62 and Older.** See Special Admission for Students Age 62 and Older (p. 33) in the Admissions section of the catalog.

Special Institutional Fee Waiver

Special Institutional Fee Waiver for Active Duty U.S. Military Students

This fee waiver eliminates the Special Institutional Fee charged by University System of Georgia institutions. If approved to receive the waiver, the active duty military member will be awarded the waiver for three consecutive terms (one academic year).

Eligibility:

- Members of the United States Reserve Components serving on active duty or full-time training duty.
- Members of the Georgia National Guard who are employed full-time by the Georgia National Guard.
- Members of the Georgia National Guard who have been called into active service by the Governor of the State of Georgia.

Waiver of Mandatory Fees

Waiver of Mandatory Fees for U.S. Military Reserve and Georgia National Guard Combat Veterans

1. **Eligibility.** Eligible participants must be Georgia residents who are active members of the U.S. Military Reserves and/or the Georgia National Guard and were deployed overseas for active service in a location or locations designated by the U.S. Department of Defense as combat zones on or after September 11, 2001 and served for a consecutive period of 181 days, or who received full disability as a result of injuries received in such combat zone, or were evacuated from such combat zone due to severe injuries during any period of

time while on active service. Additionally, eligible participants must meet the admissions requirements of the applicable USG institution and be accepted for admission.

2. **Benefits.** Eligible participants shall receive a waiver of all mandatory fees charged by USG institutions including, but not limited to, intercollegiate athletic fees, student health services fees, parking and transportation (where such fees are mandated for all students), technology fees, student activity fees, fees designated to support leases on facilities such as recreation centers, parking decks, student centers and similar facilities, and any other such mandatory fees for which all students are required to make payment. Students receiving this waiver shall be eligible to use the services and facilities these fees are used to provide. This benefit shall not apply to housing, food service, any other elective fees, special fees or other user fees and charges (e.g., application fees).

An institution may waive mandatory fees, excluding technology fees, for:

1. Students who reside or study at another institution.
2. Students enrolled in practicum experiences (e.g., student teachers) or internships located at least 50 miles from the institution.
3. Students enrolled in distance learning courses or programs who are not also enrolled in on-campus courses nor residing on campus. If a student is enrolled in courses from more than one institution during the same term, only the home institution will charge the approved technology fee to the student. Students who participate in distance education offerings as transient students will not be charged a technology fee by the transient institution. No separate technology fee shall be established for collaborative distance learning courses or programs.
4. Students enrolled at off-campus centers, except that the institution shall be authorized to charge select fees to these students for special services subject to approval by the Board of Regents.

Financial Aid

Georgia Southern University offers a comprehensive program of financial aid for students who, without such aid, would be unable to continue their education. Through this program an eligible student may receive one or more types of financial aid: Grants, Loans, Scholarships, or Federal Work-Study. Most financial aid at Georgia Southern University is awarded on the basis of a student's academic progress and proven "financial need," defined as the difference between a family's estimated resources and the total estimated expense of attending the University. Georgia Southern University uses the Free Application for Federal Student Aid (FAFSA) form provided by the U.S. Department of Education to measure a student's financial aid eligibility. Contact the Office of Financial Aid at (912) 478-5413 for assistance. The Office of Financial Aid, part of the Division of Student Affairs and Enrollment Management, is located on the second floor of the Rosenwald Building. The fax number is (912) 478-7418.

Mailing address:

Office of Financial Aid
P.O. Box 8065
Georgia Southern University
Statesboro, Georgia 30460-8065
<http://em.georgiasouthern.edu/finaid>

Four types of financial aid:

1. **Grants** - Federal, state and privately funded grant programs are available to students enrolled at Georgia Southern University.
2. **Loans** - Loan programs are available from federal, state, and private agencies.
3. **Scholarships** - Georgia Southern University offers a limited number of academic scholarships to its students.
4. **Federal Work-Study (FWS)** - provides jobs to students who qualify for need-based financial aid.

Application Procedures

To apply for any Federal Title IV aid:

- Complete and submit an Application for Admission to attend Georgia Southern University.
- By April 20, complete a Free Application for Federal Student Aid (FAFSA) online at <http://www.fafsa.ed.gov/>, for EACH year of enrollment. Be sure to list Georgia Southern University's federal school code, 001572, on the form.
- Enrolled students should re-apply for aid by April 20 of each year.

April 20 is a preferred filing date for financial aid. Applicants not filing by this date may not have funds available by the fall semester fee payment deadline, which is the first day of class.

More detailed information about financial aid programs can be obtained by emailing the Office of Financial Aid at finaid@georgiasouthern.edu (finaid@georgiasouthern.edu) or at the website: <http://em.georgiasouthern.edu/finaid>.

Class Attendance Verification

In accordance with federal regulations, financial aid cannot be released to a student's account until the professors have verified class attendance. Class attendance will be taken by professors on the first day of each class for which a student is registered.

Repeated Coursework

Federal regulations limit the number of times a student may repeat a course and receive Federal financial aid for that course:

- A student may receive aid when repeating a course for the first time (course was previously failed or passed first time).
- A student may receive aid to repeat a previously passed course one additional time (students are no longer eligible to receive aid for courses they repeat twice and receive a passing grade).
- A student may receive aid for a repeated course which was previously failed regardless of the number of times the course was attempted and failed.

The federal regulations apply whether or not the student received aid for earlier enrollments in the course.

Grant Programs

(All grant program amounts are subject to change.)

State Grants

The Georgia Student Finance Commission administers state scholarships and student grant programs. For information contact the

Georgia Student Finance Commission
2082 East Exchange Place, Suite 200
Tucker, GA 30084
(800) 505-4732, or
<http://www.Gacollege411.org/> or GAfutures.org

The **Public Safety Memorial Grant** is an award for children of Georgia law enforcement officers, firemen, and prison guards who have been permanently disabled or killed in the line of duty. The grant covers the cost of attendance minus other aid, but may not exceed \$18,000 per award year.

Federal Grants

Federal Pell Grant

The Federal Pell Grant is the primary federal student aid program administered by the U.S. Department of Education. It is intended to be the first and basic component of an undergraduate student's financial aid package. To be eligible students:

- Must show financial need, an EFC between 0 and 5198.
- Must be enrolled in an approved undergraduate course of study and must not have a bachelor's degree.
- Must be a U.S. citizen or an eligible non-citizen as defined in the instructions on the Free Application for Federal Student Aid (FAFSA).

The Federal Pell Grant may be received each academic year up to a maximum of 12 semesters. The maximum Federal Pell Grant for 2015/2016 is \$5775 for eligible students. Award amounts are prorated based on the number of credit hours for which a student is enrolled. For additional information visit our website at <http://em.georgiasouthern.edu/finaid>.

Federal Supplemental Education Opportunity Grant (FSEOG)

The Federal Supplemental Education Opportunity Grant (FSEOG) is a federal program administered by the Office of Financial Aid to assist undergraduate students with financial need. For additional information

visit our website at <http://em.georgiasouthern.edu/finaid>. To be eligible students:

- Must show substantial financial need by using the FAFSA form.
- Must be eligible for Federal Pell Grant.
- Must be enrolled in an undergraduate course of study, and you must not have a bachelor's degree. The standard grant amount awarded is \$600 per academic year. The federal funding for this program is limited; therefore, funds are depleted rapidly.

Teacher Education Assistance for College and Higher Education (TEACH)

This program provides grant assistance to juniors, seniors, and graduate students who have been accepted into the College of Education in specified "high-need" fields and who have a 3.25 GPA or better. Students who receive the TEACH Grant must fulfill a service obligation. If a student does not complete the service obligation, all TEACH Grant funds received will be converted to a Federal Direct Unsubsidized Loan.

Iraq and Afghanistan Service Grant (IASG)

Funds are awarded to students whose parent or guardian was a member of the U.S. Armed Forces and died as a result of military service performed in Iraq or Afghanistan after the events of 9/11. To qualify, the student must be under the age of 24 or enrolled in college at least part-time at the time of the parent's or guardian's death. Students who qualify for the Federal Pell Grant cannot receive the IASG. The award amount is equal to the amount of the maximum Pell Grant for the academic year, with a federal sequestration-required reduction of 7.2 percent.

Loan Programs

Federal Perkins Loan Program

The Federal Perkins Loan Program is a low-interest (5 percent) federal loan for undergraduate students with exceptional financial need. This program is administered by the Office of Financial Aid at Georgia Southern University. Student eligibility is based upon a predetermined awarding formula using limited available funds. The FAFSA must be completed. For additional information visit our website at <http://em.georgiasouthern.edu/finaid>.

Maximum Loan Amounts for Perkins

A student may be awarded up to \$4,000 for each year of undergraduate study. The total amount allowed as an undergraduate is \$20,000. However, the standard Perkins Loan awarded at Georgia Southern University is \$2,000 per academic year; \$1,000 per semester.

Repayment Obligation for Perkins Loan

Repayment begins 9 months after graduation, leaving school, or dropping below half time enrollment. The student may be allowed up to 10 years to repay the loan. During the repayment period, five percent simple interest will be charged on the unpaid balance of the loan principal.

A Federal Perkins Loan is a serious legal obligation. Therefore, it is extremely important to understand the student borrower's rights and responsibilities.

- Without exception, report any of the following changes to the Federal Perkins Loan Collections Office
Georgia Southern University
P.O. Box 8119
Statesboro, GA 30460
(912) 478-1264 or (912) 478-5411:

- If withdrawing from school;
 - If transferring to another school;
 - If dropping below half-time enrollment status;
 - If name should change (because of marriage, for example);
 - If student's address or parents' address changes;
 - If joining military service, Peace Corps, or VISTA.
- When graduating or withdrawing from Georgia Southern University, an exit interview MUST be arranged by calling (912) 478-1264 or (912) 478-5411.
 - The first monthly payment will be due nine months from ceasing to be at least a half-time student.
 - The minimum monthly payment will be at least \$40.
 - The annual percentage rate of five percent will be the FINANCE CHARGE based on the unpaid balance and will begin to accrue nine months after ceasing to be enrolled as at least a half-time student.
 - Cancellation will be granted for certain types of elementary or secondary school teaching; for military service in areas of hostilities; for full-time staff members in Head Start; and for permanent disability. The student also accepts the responsibility to inform the school of such status. In the event of death, family members should contact the school.
 - If entering military service, Peace Corps, VISTA or comparable tax-exempt organization, becoming full-time active duty in the Commissioned Corps of the U.S. Public Health Service, while temporarily totally disabled, or returning to at least half-time study at an institution of higher education, the student may request that the payments on the Federal Perkins Loan be deferred.
 - If the student fails to repay any loan as agreed, the total loan may become due and payable immediately, and legal action could be taken.
 - The student must promptly answer any communication from Georgia Southern University regarding the loan.
 - The student may repay at any time. Future interest payments will be reduced by making such payments. If a payment cannot be made on time, contact the Georgia Southern University Federal Perkins Loan Office at (912) 478-1264 or (912) 478-5411.
 - The student's loan history will be reported to a credit bureau at the time of disbursement.
 - When the student signs the loan agreement, Georgia Southern University is authorized to contact any school the student may attend to obtain information concerning student status, year of study, dates of attendance, graduation, withdrawal, transfer to another school or current address.

Federal Direct Lending Program

Georgia Southern University participates in the Federal Direct Lending Program. Loan funding comes directly from the U.S. Department of Education to students through the Federal Direct Stafford Loan Program and to the parents through the Federal Direct PLUS (Parent Loan for Undergraduate Students) Program. When loans are due, borrowers will repay them directly to the federal government through the loan servicer. Additional information is available at <http://www.ed.gov/DirectLoan>.

The Federal Direct Stafford Loan Program provides low-interest, long-term loans through the University. Funding for these loans comes from the U.S. Department of Education. These loans may be subsidized or unsubsidized. Eligible students must be admitted and enrolled in good standing at least half-time in a program leading to a degree. Half-time is defined as 6 credit hours for undergraduates.

The amount students may borrow is determined by federal guidelines. The following are federal maximum amounts that students are allowed to borrow:

- Freshmen (those who have not completed 30 earned credit hours) - \$5,500 yearly; maximum subsidized amount = \$3,500 yearly
- Sophomores (30-59 earned credit hours) - \$6,500 yearly; maximum subsidized amount = \$4,500 yearly
- Juniors or Seniors (60 + earned credit hours) - \$7,500 yearly; maximum subsidized amount = \$5,500 yearly

Repayment normally begins six months following graduation or when dropping below half-time enrollment. Payments and the length of the repayment period depend upon the amount of the student's indebtedness. Under special circumstances, repayment of a Federal Direct Stafford Loan that is not in default may be deferred or canceled. Repayment, deferment, and cancellations are handled by a federal loan servicer. If the student is eligible for a Federal Direct Stafford Loan, one will be awarded (either subsidized or unsubsidized, or a combination of both) as part of the financial aid package. Please read the following paragraphs to learn the differences between the subsidized and unsubsidized Federal Direct Stafford Loans. First-time borrowers are required to complete entrance loan counseling and electronically sign a master promissory note. For additional information visit our website at <http://em.georgiasouthern.edu/finaid>.

Subsidized Federal Direct Stafford Loan

The amount of subsidized Federal Direct Stafford Loan a student may borrow is the difference between the cost of education (annual budget) and a student's resources (family contribution, financial aid such as Federal Perkins Loan, Federal College Work-Study, and any other assistance received from the school and outside resources including scholarships). However, a student may not borrow more than the federal maximum for his/her grade level.

If a student is eligible for a subsidized Federal Direct Stafford Loan, the government will pay the interest until graduation or until enrollment drops below half time. The student will be assessed a loan origination fee, which is deducted from the loan proceeds but will not reduce the principal balance required to repay. For additional information visit our website at <http://em.georgiasouthern.edu/finaid>.

Unsubsidized Federal Direct Stafford Loan

The unsubsidized Federal Direct Stafford Loan can replace all or part of the family contribution. However, the amount of the loan may not be more than the difference between the cost of education and any financial assistance received from the school and any outside source (including the subsidized Federal Direct Stafford Loan).

The interest rate is variable but will not exceed 8.25 percent. Interest accrues on the unsubsidized Federal Direct Stafford Loan while the student is in school and during the six-month grace period before repayment begins. The student has the option of paying the interest monthly, quarterly, or having the interest added to the principal. A loan origination fee is deducted from each disbursement of an unsubsidized loan. These charges do not reduce the amount required to repay. For additional information visit our website at <http://em.georgiasouthern.edu/finaid>.

Additional Unsubsidized Federal Direct Stafford Loan

If the student is an independent undergraduate or a dependent student whose parents are denied for a PLUS Loan, the student may borrow an additional unsubsidized Stafford loan as follows: freshmen and sophomores may borrow a maximum of \$4,000 per academic year; juniors and seniors may borrow a maximum of \$5,000 per academic year, not to exceed the cost of education. For additional information visit our website at <http://em.georgiasouthern.edu/finaid>.

Federal Direct Parent Loan for Undergraduate Students

If a student is considered dependent, he/she may be eligible for a Federal Direct Parent Loan for Undergraduate Students (PLUS) to assist in covering the education expenses. This loan is available through the University and is funded by the U.S. Department of Education. The maximum PLUS loan amount for an academic year is determined by subtracting all financial aid (including Stafford loans) from the annual cost of attendance.

The interest rate on the Federal Direct PLUS is variable but will not exceed 10.5 percent. The parent borrower has the option to begin repayment on the PLUS loan either 60 days after the loan is fully disbursed or to wait until six months after the dependent student ceases to be enrolled at least half-time. A loan origination fee is deducted from each disbursement of a PLUS loan. These charges do not reduce the amount required to repay. PLUS applications are available in the Office of Financial Aid. For additional information visit our website at <http://em.georgiasouthern.edu/finaid>.

Georgia Student Access Loan (SAL)

The Georgia Student Access Loan (SAL) is a limited resource loan program that is designed to assist undergraduate students who have a gap in meeting their educational costs. The program is also designed to provide interest rate and repayment incentives to those who complete their program of study within the designed program length, work in select public service sectors or STEM fields. To qualify, students must be Georgia residents and United States citizens or eligible non-citizens. Students must have first applied for and exhausted all other student financial aid programs including federal and state student loans, scholarship and grant programs. Students are randomly selected to participate in the program.

The amount that students may borrow is determined by state guidelines. The minimum loan amount is \$500. The maximum loan limit is \$10,000 per year up to a maximum of \$40,000 over a college lifetime. A non-refundable \$50 origination fee is deducted from the first disbursement of each loan.

Interest rate structure for loans received on or after July 1, 2012:

- Fixed rate of 1% if the student graduates within the designed length of the program of study.
- Fixed rate of 6% if the student graduates within one year beyond the designed length of the program of study.
- Fixed rate of 8% if the student graduates beyond one year after the designed length of the program of study.
- Annual interest payments are required while in school; minimum interest payment is \$15.00 for loans received on or after July 1, 2012.

Repayment is a maximum of ten (10) years with a minimum payment of \$15.00 for loans received on or after July 1, 2012. For additional information and application procedures, refer to www.GACollege411.org (<http://www.GACollege411.org>).

Private/Alternative Loans

A private/alternative loan is a non-federal education loan through a private lender usually in the student's name that may require a co-signer. These loans are not subsidized and generally have different eligibility requirements, interest rates, repayment options and conditions. Because private/alternative loans vary, the Georgia Southern Financial Aid Office cannot provide the most accurate and useful information regarding these loans. We strongly suggest comparing interest rates, loan charges, and repayment options before applying.

Scholarship Programs

New Student Scholarships

Scholarships for first-time freshmen and transfer students are administered by the Office of Admissions. To review scholarship opportunities, please access the Admissions website at <http://admissions.georgiasouthern.edu/>.

Continuing Students

Georgia Southern University departments offer a vast array of scholarships for continuing students. These scholarships are managed by the individual departments within the University and vary from major-specific awards to leadership awards to study abroad awards. Most of these scholarships have different application procedures and deadlines. Contact the individual departments for more information.

State Scholarships

The Georgia Student Finance Commission administers state scholarships and student grant programs. For information contact:

Georgia Student Finance Commission
2082 East Exchange Place, Suite 200
Tucker, GA 30084
(800) 505-4732
<http://www.Gacollege411.org/or/GAfuture.org>

The **HOPE Scholarship** (Helping Outstanding Pupils Educationally) and Zell Miller Scholarship are Georgia's unique programs that reward hard working Georgia students with matriculation scholarships in degree programs at any Georgia public college, university, technical college or eligible private institution. The programs are funded by the Georgia Lottery for Education and amounts are subject to change.

To qualify for HOPE, a student must be a legal resident of Georgia or be considered a Georgia resident for purposes of in-state tuition at the time of enrollment for the school term for which the scholarship is sought. Students who graduated from high school with a high school core curriculum GPA of at least 3.0 may qualify for the HOPE Scholarship as incoming freshmen.

Students who did not qualify for HOPE as incoming freshmen may still receive a HOPE Scholarship if they graduated from high school less than seven years ago, were a legal resident of Georgia at the time of enrollment for the school term for which the scholarship is sought, and have a 3.0 cumulative GPA after attempting 30, 60, or 90 credit hours of University course work.

HOPE eligibility is reviewed at various checkpoints during the academic year and all attempted credit hours are counted in the review. "Attempted hours" refers to all credit hours attempted in a degree program at a postsecondary institution after high school graduation, including classes that were dropped or failed. The deadline to apply for HOPE is the last day of class for the semester for which you are applying.

The **Zell Miller Scholarship** provides full tuition funding to undergraduate Georgia residents who graduate from high school with a 3.7 or greater GPA and score at least a 1200 reading and math score on the SAT or an ACT composite score of 26. To remain eligible, students must maintain at least a 3.3 college GPA at the checkpoints (30, 60, 90 attempted credit hours and after every spring semester).

Contact a financial aid counselor for other requirements and further information, (912) 478-5413. Additional restrictions may apply. The above is based on the most recent information from the Georgia Student Finance Commission and is subject to change.

The **Georgia HERO (Helping Educate Reservists and their Offspring) Scholarship** was created to provide financial aid to students seeking a post-secondary education, who are:

- Current members of the Georgia National Guard or United States Military Reserves who are deployed overseas on active service, on or after February 1, 2003, to a location designated as a combat zone; or
- The children of Georgia National Guard members or United States Military Reservists who were deployed overseas on active service, on or after February 1, 2003, to a location designated as a combat zone; or
- The spouses of Georgia National Guard members or United States Military Reservists who were deployed overseas on active service, on or after February 1, 2003, to a location designated as a combat zone, and who were killed in the combat zone, or died as a result of injuries received in the combat zone, or became 100 percent disabled as a result of injuries received in the combat zone.

The Georgia HERO Scholarship Program is funded by state appropriations. The maximum amount awarded to an eligible student is \$2,000 per Award Year. The award amount is subject to change during the Award Year.

Other Outside Sources of Financial Aid

Many foundations, companies, and other groups have established scholarship or loan programs for use by Georgia Southern University students. To review these, access the Georgia Southern University Financial Aid website at <http://em.georgiasouthern.edu/finaid/types-of-aid/scholarships/>. Other helpful websites to use in searching for external scholarships may be found on our Financial Aid website under "Types of Aid" at <http://em.georgiasouthern.edu/finaid/external-scholarships/>.

Employment Programs

The University offers two student employment programs: Federal College Work-Study and Institutional Work Program.

Federal College Work-Study Program - The Federal College Work-Study Program (FWS) provides jobs for students who demonstrate financial need and who want to earn money to help pay for some of their educational expenses. Students must file the Free Application for Federal Student Aid (FAFSA) to establish financial need in order to be awarded FWS. The amount of the award depends upon demonstrated financial need and the amount of funds available. Funding is very limited for this program. The standard award allows the student to work 8 to 10 hours per week for a 15 to 18 week period. Visit the Financial Aid website at <http://em.georgiasouthern.edu/finaid> for more information.

Institutional Work Program - The Institutional Work Program helps students find part-time jobs in the various departments on campus. All currently enrolled students may participate, and no financial eligibility requirements apply. Interested students should visit the Student Employment Center website at <http://jobs.georgiasouthern.edu/SEC/> in order to review the various on-campus job openings and part-time job opportunities available in the Statesboro area. Students must be enrolled in six or more credit hours to qualify for this program.

Satisfactory Academic Progress Policy

Requirement and Definition

Students receiving financial aid must be making Satisfactory Academic Progress (SAP) in accordance with the policies outlined below. Satisfactory progress means that a student is advancing toward his/her

degree objective in a manner consistent with prescribed policies of the University.

The Office of Financial Aid is responsible for evaluating satisfactory academic progress of students receiving financial assistance from the following programs: Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Teacher Education Assistance for College and Higher Education (TEACH) Grant, Federal Work-Study, Federal Subsidized and Unsubsidized Stafford Loan, Federal PLUS Loan, Federal Perkins Loan, HOPE Scholarship, and Zell Miller Scholarship.

Satisfactory Academic Policy Criteria

1. Grade Point Average (GPA Requirements)

Undergraduates and post-baccalaureate students must maintain a 2.0 minimum total institution GPA to be eligible for financial aid. Failure to maintain the required cumulative GPA standards will result in academic and financial aid warning. When a student's unsatisfactory academic standing results in exclusion from school by the Registrar's Office, the student is also excluded from receiving financial aid. Students' GPA requirements are evaluated at the end of each semester.

2. Credit Hour Completion (Incremental Progress Required)

Students are required to earn a minimum number of credit hours each academic year depending upon their enrollment status. Undergraduate and post-baccalaureate students should complete 67% of all attempted credit hours registered for during the academic year. Note that these are minimum requirement standards and that most students will complete the required course work at a faster rate. Students' incremental progress is evaluated at the end of the spring term and at the end of the summer term for students taking summer course work.

3. Maximum Time Frame

Undergraduate students in a 4-year program who have attempted more than 150% of the published length of a degree program will have their aid terminated. All terms of enrollment will count toward the maximum time limit. Terms in which no aid is received will count if the student is enrolled after the first week of classes. For example, if the published degree program length is 126 credit hours, the maximum time frame would be 189 credit hours (126 X 150%).

For SAP policy, appeal form/procedures, and SAP calculator, refer to our web page at <http://em.georgiasouthern.edu/finaid/policies/satisfactory-academic-progress-sap>.

Consortium Agreements

Credit hours earned through consortium agreements (contracts with other higher education institutions) will count toward maximum time frame, credit hour completion percentage, and cumulative GPA.

Transfer Credits

Credit hours transferred from other institutions including those earned from consortium agreements will count toward maximum time frame and credit hour completion percentage.

Post-Baccalaureate Students

The above requirements apply to all students seeking an additional bachelor's degree. Post-baccalaureate students may receive financial aid up to a total of 275 attempted credit hours which includes all undergraduate coursework attempted for the first degree and additional coursework to complete a second degree.

Failure to Meet the Standards of Academic Progress

Financial Aid Suspension

The standards of academic progress will be checked once a year at the end of the spring and/or summer term of enrollment and if the standards of academic progress are not met, the student's financial aid will be suspended. Students will be notified of the following by letter at the address they have on file in the Office of the Registrar:

- They are not eligible to receive financial aid.
- They have the right to appeal to have their financial aid reinstated by the Satisfactory Academic Progress Appeal Committee.

Learning Support Classes

Learning support students may receive federal financial aid for up to 30 credit hours of Learning Support Program course work. The first 30 credit hours of learning support course work will be excluded from the maximum time frame calculation defined above. Learning support credit hours in excess of 30 will be included in the maximum time frame and the required percentage of credit hour completion. Once a student successfully exits the Learning Support Program, the grades earned through learning support course work will be included in the calculation of the cumulative GPA. Remedial or learning support course work from another institution will be counted in the calculation.

Dropped and Repeated Courses

All credit hours attempted during each term in which a student is enrolled will count toward the maximum time frame and minimum credit hours completion. A student is considered enrolled based on the number of credit hours registered after class attendance verification. Students who drop courses or completely withdraw from the University **during** the 100% refund period will not have those credit hours considered in determining total credit hours registered. Students who drop courses or completely withdraw from the University **after** the 100% refund period will have those credit hours considered in determining total credit hours registered, which will count toward the maximum time frame calculation.

Repeated courses will count in the calculation of attempted credit hours. The last grade earned for a course is the only grade that counts toward satisfactory academic progress.

Passing Grade Requirements

Undergraduate student financial aid applicants and recipients must demonstrate they are making measurable progress toward earning a degree by **successfully completing a minimum of 67%** of all credit hours attempted at the University and all credit hours accepted in transfer (including those credit hours attempted when the student did not receive federal or state student aid).

- Grades of "A", "B", "C", "D" or "S" are successfully completed credit hours as long as the credit hours are earned and count toward a degree program.
- Grades of "F", "W", "WF", "I", "IP", "U" or repeated courses are not successfully completed credit hours.
- "V" grades (audited courses) do not count as attempted or successfully completed credit hours.

If a student does not receive the required passing grades in their coursework, they are not considered to be making progress and their financial aid is canceled. To regain financial aid eligibility, refer to the 'Reinstatement of Financial Aid Eligibility' section.

Withdrawal from School

Financial aid recipients who withdraw from school **during** the 100% refund period of any term will not have their registered credit hours included in the maximum time frame calculation nor be required to meet the minimum credit hour completion percentage. However, aid recipients withdrawing from school **after** the 100% refund period will have their registered credit hours included in the maximum time frame calculation and be required to meet the minimum credit hour completion percentage.

Reinstatement of Financial Aid Eligibility

A student seeking to have financial aid eligibility reinstated may do so by:

- achieving the required minimum total institution GPA and successfully completing 67% of attempted credit hours, or
- acquiring a successful appeal through the appeal process. Students will be notified of the committee's decision and the specific requirements and/or grades a student must earn each term. Students' progress will be checked at the end of every term of enrollment.

SAP Appeal Process

Students completing the appeal process are required by the Georgia Southern University Office of Student Accounts to pay their current term fees by the published fee payment deadline. Questions regarding student fee payments should be directed to the Office of Student Accounts at (912) 478-0999.

Financial Aid Excluded Due to Failure to Meet Academic GPA Requirements

Students requesting an appeal to remain in school through the Academic Standards Committee in the Office of the Registrar may use the same process to request an appeal to receive financial aid. Should the academic appeal process determine that a student may remain enrolled in school, he/she will be allowed to continue to receive financial aid, provided they have earned 67% of attempted credit hours. Students with only a GPA issue should contact the Office of the Registrar for the appropriate appeal procedures.

Financial Aid Excluded Due to Failure to Progress Toward Academic Degree Completion

Students requesting an appeal for continuance of financial assistance must do so by completing the Satisfactory Academic Progress Financial Aid Appeal form located on the Financial Aid website at <http://em.georgiasouthern.edu/finaid/policies/satisfactory-academic-progress-sap>. All appeals are reviewed by the Financial Aid SAP Appeal Committee and students will be notified of the committee's decision to approve or deny reinstatement of the student's financial aid. For approved appeals, students' progress will be checked at the end of every term to determine if they met the specific requirements set forth by the committee. The committee's decision is final and students must abide by the decision.

Other Financial Assistance

The academic progress of students receiving federal financial assistance from the programs listed earlier in this narrative must be evaluated by the criteria outlined in this policy. These and other students receiving other types of financial assistance are evaluated based on requirements of the applicable financial assistance program.

Athletes

The Georgia Southern University Athletic Department administers student athletic scholarships. Student athletes who are eligible to receive institutional and/or Federal aid must comply with NCAA regulations. Student athletes interested in receiving financial aid in addition to their athletic scholarship must complete the appropriate application process.

Co-op and Internship Program

The Co-op and Internship program at Georgia Southern University encompasses both internship and cooperative education opportunities for students in all majors. Co-ops and Internships provide an opportunity for students to evaluate whether their chosen career path or field of study is a good fit for them, develop their professional skills, and apply their academic knowledge while obtaining valuable real world experience in their field. The Office of Career Services at Georgia Southern University is committed to actively recruiting and promoting Co-op and Internship opportunities for all students and provides a centralized contact for both academic and non-academic related issues associated with experiential learning for all Colleges and majors.

In order to participate in the Co-op and Internship program, students must be in good academic standing with the University and must agree to the requirements of the program which include signing a Code of Conduct and Waiver of Liability. Additionally, students must provide the Office of Career Services with an offer letter from their employer. The compensation package offered to the student is determined by the employer and board and lodging are the responsibility of the student. While participating in the Co-op and Internship program, students will be enrolled in non-academic, tuition-free COOP hours that will denote their experience on their student transcript. Students will be registered for the course through the Office of Career Services. Students and employers are required to submit evaluations at three identified points during their work term. Successful completion of the requirements will result in a pass or fail grade awarded to the student.

For more information about our Co-op and Internship program, please refer to the Student Co-op Handbook (<http://students.georgiasouthern.edu/career/files/Co-op-Student-Handbook-Revised-12-12.pdf>) and/or the Student Internship Guide (<http://students.georgiasouthern.edu/career/files/Internship-Guide-Revised-12-12.pdf>), visit the Career Services website (<http://students.georgiasouthern.edu/career>), or call (912) 478-5197.

Veterans' Assistance Programs

The U.S. Department of Veterans Affairs (DVA) provides educational benefits under several programs. Eligibility is determined by DVA. Veterans or dependents of certain veterans who wish to attend Georgia Southern University under any of the veterans' benefits programs should contact the Veterans Coordinator located in the Registrar's Office for assistance at (912) 478-5154. The Veterans Coordinator is responsible for assisting veteran students with the processing of VA forms for educational benefits. Students will be advised of procedural requirements and certification of enrollment will be verified to DVA.

Veterans who have service-connected disabilities and are eligible for disability compensation may qualify for Vocational Rehabilitation. Disabled veterans who think they qualify for this assistance are encouraged to contact the Department of Veterans Administration for further information.

Georgia Southern University encourages all veterans to take advantage of college credit that may be granted for military training, as well as the credit by examination programs. Veterans requesting college credit for military training must provide the Registrar's Office with an official military transcript for evaluation.

The Office of the Registrar will evaluate transfer Credit for Military Service based on completion of basic military training. A form DD-214 should be

furnished to the Office of the Registrar for evaluation. Two (2) credit hours will be allowed for Kinesiology PE Credit for active service less than one year. Four (4) credit hours will be allowed for Kinesiology PE Credit for one year or more active service. For more information please visit our web page at <http://em.georgiasouthern.edu/registrar/students/veteranaffairs/>.

Vocational Rehabilitation

The State of Georgia provides financial assistance (equal to tuition and other regular fees in the University) for residents of Georgia who have disabilities. For further information, write directly to

Vocational Rehabilitation Program
1700 Century Circle, Suite 300
Atlanta, GA 30345-3020

or call (404) 486-6331, toll free (866) 489-0001, or the web page <http://www.vocrehabga.org>.

Drug Policy - Anti-Drug Abuse Act of 1988

It is the policy of Georgia Southern University and the Office of Financial Aid that when the University or the Financial Aid Office is officially notified that a student, who is a recipient of a Federal Pell Grant, is convicted via a court of law of a drug offense during the period of enrollment covered by the Federal Pell Grant, and for which the student had previously certified he or she would be drug free, that individual's violation of the certification statement must be reported to the U.S. Department of Education Office of Inspector General, in accordance with section 668.14 (g) of the Title IV Higher Education Act of 1965 and its amendments. Upon the final determination by the Office of the Inspector General, and the notification to Georgia Southern University, the Financial Aid Office will implement the recommendations set forth in their findings, which may include the withholding of all further Title IV and institutional payments to the student. Until a final determination is made regarding fraud on the part of the student, the student will remain eligible for financial aid.

Student Accounts

The Bursar's Office is comprised of three departments: Cashier's Office, Office of Student Accounts, and Accounts Receivable. These offices provide financial services to students, faculty, and staff of the University. Operations are guided by two major criteria: customer service and requirements for completing financial transactions within the guidelines provided by Federal and State regulations, as well as GASB (Governmental Accounting Standards Board).

Mailing address:

Office of Student Accounts, PO Box 8155, Statesboro, GA 30460-8155

<http://businesssrvs.georgiasouthern.edu/bursar/>

Phone number: 912-478-0999

Business Regulations

The academic year is divided into two semesters of approximately 15 weeks each and a summer semester of approximately 12 weeks. Fees are charged and payable by the semester since each semester constitutes a separate unit of operation. A student may enroll at the beginning of any semester.

To ensure financial operation is in conformity with Board of Regents policies, fee payment regulations must be observed. All fees and charges are due and payable by the first official day of class for the semester for the University; charges incurred during the Drop/Add period are due by the 10th calendar day following the Drop/Add period. Students are responsible for checking their account balance via WINGS at <https://my.georgiasouthern.edu/> and ensuring fee payment by the published fee payment due dates. Fees and charges may be paid by cash, by check, online by free webCheck or by MasterCard, American Express, Discover and Visa in the exact amount of the student's invoice. Payment by credit card must be made via WINGS and is subject to a 2.75% processing fee. Nonpayment of all fees and charges by the first day of university classes could result in cancellation of all classes. If a student's financial aid is not available to pay all fees by the designated due date, he/she must be prepared to pay tuition and fees then be reimbursed when his/her financial aid is available. Should a student decide not to attend Georgia Southern University or cease to attend during the semester, he/she will continue to be fee liable until officially withdrawing from the University. (See refunds and withdrawals for more information.) PLEASE NOTE, NO INVOICES ARE MAILED; INVOICES ARE AVAILABLE ONLINE ONLY VIA WINGS AT THE ABOVE WEB ADDRESS.

Any amounts owed to the University that are not cleared when due will be subject to reasonable collection fees that could include collection agency fees, attorney fees, court costs and other charges necessary for the collection of the debt. In addition, a financial hold will be added to the account that will prevent any changes to current or future registration, access to transcripts and graduation.

The University reserves the right to make changes in its fees, which are regulated by the Georgia Board of Regents, at the beginning of any semester and without previous notice. **At press time, Tuition and Fees were unavailable for Fall 2015 and Spring 2016. As soon as they are available, Tuition and Fees will be posted on the web at <http://businesssrvs.georgiasouthern.edu/bursar/office-of-student-accounts/tuition-and-fees/>.*

Students' personal checks made out to CASH-Georgia Southern University, with proper student identification, may be cashed at the Cashier's Office in Deal Hall or at The University Store in an amount not to exceed \$50.00.

Returned Check Procedure

Checks (paper or electronic) returned for any reason will be handled in accordance with the state laws of Georgia and the Board of Regents policies. Returned items will be assessed a service fee of \$30.00, or 5% of the face value of the check, whichever is greater, and a hold will be placed on the student's record. The University will notify the student (maker) of the returned item via certified mail detailing the payment options available.

Tuition/fee payments returned for non-sufficient funds will be re-deposited the first three weeks of class. Tuition/fee payments returned after the cancellation date must be paid within 10 days of the date of the notice or the student may be administratively withdrawn from all classes and charged for the time enrolled, according to the University catalog.

After three checks (paper or electronic) have been returned, the student's (maker's) privilege of writing checks to the University will be suspended.

All amounts owed to the University that are not cleared when due will be subject to reasonable collection fees which could include collection agency fees, attorney fees, court costs and other charges necessary for the collection of the debt.

In-State Tuition

Tuition is charged to all students based on the number of credit hours for which the student is registered. In-state undergraduate students who register for 15 or more credit hours will be charged \$2,549¹ per semester; students registering for fewer than 15 credit hours will be charged \$169.93¹ per credit hour. More information on tuition is available on the Board of Regents of the University System of Georgia website at <http://www.usg.edu/>.

All undergraduate students who enroll in an online course will pay the online course rate of \$199¹ per credit hour. This rate will not apply to higher cost programs such as WebBSIT.

In-state graduate students registering for 12 or more credit hours (with the exception of Professional Programs, Distance Education, and Online Programs) will be charged \$3,318 per semester; students registering for fewer than 12 credit hours will be charged \$277¹ per credit hour. Students enrolled in Professional Programs, Distance Education and Online Programs will be subject to additional tuition charges related to those programs. For more details please see <http://businesssrvs.georgiasouthern.edu/bursar/office-of-student-accounts/tuition-and-fees/>.

Graduate students who enroll in an Online Degree Program (degree is offered entirely online) will be charged based on their program's rate per credit hour. Please see Online Degree Programs (p. 91) for more information.

¹ *Fees quoted are for Fall 2014 and Spring 2015. At press time, Tuition and Fees were unavailable for Fall 2015 and Spring 2016. As soon as they are available, Tuition and Fees will be posted on our website at: <http://businesssrvs.georgiasouthern.edu/bursar/office-of-studentaccounts/tuition-and-fees/>.*

Out-of-State Tuition

Non-residents of Georgia are required to pay tuition at an out-of-state rate based on the number of credit hours for which the student is registered. Out-of-state undergraduate students who register for 15 or more credit hours will be charged \$8,997¹ per semester; students registering for fewer than 15 credit hours will be charged \$599.80¹ per credit hour. More

information on tuition is available on the Board of Regents of the University System of Georgia website at <http://www.usg.edu/>.

All undergraduate students who enroll in an online course will pay the online course rate of \$199¹ per credit hour. This rate will not apply to higher cost programs such as WebBSIT.

Tuition for registered nurses enrolled in the RN to BSN online degree program tuition shall remain congruent with standard undergraduate tuition rates.

Out-of-state graduate students registering for 12 or more credit hours (with the exception of Professional Programs, Distance Education, and Online Programs) will be charged \$13,259¹ per semester; students registering for fewer than 12 credit hours will be charged \$1105¹ per credit hour. Students enrolled in Professional Programs, Distance Education and Online Programs will be subject to additional tuition charges related to those programs. For more details, please see <http://businesssrvs.georgiasouthern.edu/bursar/office-of-student-accounts/tuition-and-fees/>.

Graduate students who enroll in an Online Degree Program (degree is offered entirely online) will be charged based on their program's rate per credit hour. Please see Online Degree Programs (p. 91) for more information.

¹ *Fees quoted are for Fall 2014 and Spring 2015. At press time, Tuition and Fees were unavailable for Fall 2015 and Spring 2016. As soon as they are available, Tuition and Fees will be posted on our website at: <http://businesssrvs.georgiasouthern.edu/bursar/office-of-studentaccounts/tuition-and-fees/>.*

University Fees

Cultural, social and athletic activities, good health care and transportation services are important parts of the University's program and a student's educational environment. In order to provide these activities and services, a per semester University Fee of \$1046.00¹ is charged. All students must pay this fee unless they are registered for fewer than four credit hours or enrolled in all off-campus courses.

An Institution Fee of \$290.00¹ (which is included above) is assessed each semester to all students enrolled for that semester, regardless of class, residency, or program of study. This is a mandatory fee set by the Board of Regents.

¹ *Fees quoted are for Fall 2014 and Spring 2015. At press time, Tuition and Fees were unavailable for Fall 2015 and Spring 2016. As soon as they are available, Tuition and Fees will be posted on our website at: <http://businesssrvs.georgiasouthern.edu/bursar/office-of-studentaccounts/tuition-and-fees/>.*

Technology Fee

A \$100¹ per semester Technology Fee is charged to all Georgia Southern University students (excluding those enrolled in Online Degree Programs). This fee is used to develop and maintain student computer laboratories. A Technology Fee Advisory Board, with student representation, makes decisions regarding the use of this fee.

¹ *Fees quoted are for Fall 2014 and Spring 2015. At press time, Tuition and Fees were unavailable for Fall 2015 and Spring 2016. As soon as they are available, Tuition and Fees will be posted on our website at: <http://businesssrvs.georgiasouthern.edu/bursar/office-of-student-accounts/tuition-and-fees/>.*

Late Registration Fee

Undergraduate and graduate students who complete registration after the published registration day at the beginning of each semester will be charged a non-refundable late registration fee of \$100¹.

The College of Graduate Studies Continuous Enrollment policy requires students to be enrolled continuously in those programs that require a thesis or dissertation. Should a student not register each semester as required by the continuous enrollment policy, the student will be required to register and pay tuition and fees for the missed semesters. Tuition and fee payment is due for the missed registration semesters at the beginning of the semester the student resumes his/her study, providing the student is eligible to return and resume registration.

¹ *Fees quoted are for Fall 2014 and Spring 2015. At press time, Tuition and Fees were unavailable for Fall 2015 and Spring 2016. As soon as they are available, Tuition and Fees will be posted on our website at: <http://businesssrvs.georgiasouthern.edu/bursar/office-of-student-accounts/tuition-and-fees/>.*

Parking Permits

All vehicles parking on campus are required to have a parking permit which is available from the Parking Office located in Building 114 behind the Dining Commons on Chandler Road across the street from Subway.

Resident permits and Commuter Permits are \$160¹. Free parking is available for those who park at Paulson Stadium and ride the bus to campus. Car Pool permits are available for those wanting to share the cost of parking. Permits are available for purchase on the Web through the My.GeorgiaSouthern.edu portal. For details, please call the Parking and Transportation Office at GSU-PARK (912-478-7275) or visit our web site at <http://auxiliary.georgiasouthern.edu/parking/>.

Visitors parking on campus are asked to obtain a complimentary visitor's pass from the Parking Office at the location above or at the Welcome Center in the Admissions Office located on Sweetheart Circle in Lewis Hall.

¹ *Fees quoted are for Fall 2014 and Spring 2015. At press time, Tuition and Fees were unavailable for Fall 2015 and Spring 2016. As soon as they are available, Tuition and Fees will be posted on our website at: <http://businesssrvs.georgiasouthern.edu/bursar/office-of-studentaccounts/tuition-and-fees/>.*

Transportation Fee

A \$55¹ per semester Transportation Fee is charged to Georgia Southern University students as part of their University Fees (See University Fees (p. 46)). This fee is used to fund the Transit Services that are provided to students allowing them to park at Paulson Stadium and ride the Transit Shuttle to and around campus. For additional information, please call the Parking Office at (912) GSU-PARK (912-478-7275) or visit our web site at <http://auxiliary.georgiasouthern.edu/parking/>.

¹ *Fees quoted are for Fall 2014 and Spring 2015. At press time, Tuition and Fees were unavailable for Fall 2015 and Spring 2016. As soon as they are available, Tuition and Fees will be posted on our website at: <http://businesssrvs.georgiasouthern.edu/bursar/office-of-studentaccounts/tuition-and-fees/>.*

Graduation Fee

A graduation fee of \$35 for graduate and undergraduate students must be paid by the end of the semester in which the student completes requirements for graduation. This fee includes application processing,

payment for diploma, and mailing fee; separate payment by the student to the vendor for graduation attire will be required for those participating in the ceremony. Any outstanding financial obligations to the University (Business Office, Parking, Health Services, Library, National Direct Student Loan) must be paid before a student may graduate.

A \$75 late graduation fee will be assessed to graduate students who miss the posted deadline to apply for graduation for the semester they expect to graduate. The deadline for which no further late applications will be accepted or processed is posted in the university calendars.

Textbooks and Supplies

The University Store offers all required textbooks and basic supplies Georgia Southern University students need for their courses. By selling new textbooks, used textbooks and eBooks, as well as offering competitive pricing and rental programs, the University Store gives students multiple purchasing options. Depending on course selection, the average cost per semester is approximately \$600. Accepted forms of payment are: cash, check, MasterCard, Visa, Discover, American Express, University Store gift cards and EAGLEXPRESS. (See EAGLEXPRESS (p. 48).) Students whose financial aid exceeds their tuition and fees, housing and meals are allowed to charge their required books and supplies at University Store in the amount of the lesser of their excess financial aid or \$600. Please contact the University Store for the bookstore financial aid availability each semester. These charges are then added to the student's bursar account and paid for out of the student's financial aid funds. The University Store offers a wide selection of course material options in store and online at gsustore.com (<http://gsustore.com>).

Fee Refunds

Regulations of the Board of Regents of the University System of Georgia provide for tuition and mandatory fee refunds when formal withdrawal from the Institution is approved within a designated period following scheduled registration.

The refund percentage that a student receives is a calculation of the time remaining in the semester up through 60% of the semester; once 60% of a semester has expired, there is no refund for a withdrawal from school. The full term semester dates are used for the tuition refund calculation. The refund calculation is based on days enrolled in the semester divided by number of calendar days in the semester, including weekends and holidays but excluding breaks of five or more consecutive days. For example, if a semester has 112 days, and a student withdraws on day 49 of that semester, 43.8% of that semester has expired (49 days divided by 112 days). The student is eligible for a refund of 56.2% (100 percent minus 43.8 percent). For students receiving financial aid, please refer to section "Refunds for a Student Receiving Federal Title IV Financial Assistance".

Refunds due to formal withdrawal from school are not made after the midpoint in the semester.

Refunds are not made for classes dropped after the Drop/Add period. Additional fees due for certain PE classes (i.e.; scuba diving, golf) and for certain courses (i.e.; art, biology, chemistry, geography and geology, nutrition and food science, physics, public health, student teaching, and theater) are not refundable after Drop/Add. A refund of all semester tuition and other mandatory fees is made in the event of death of a student any time during an academic semester.

Refunds for a Student Receiving Federal Title IV Financial Assistance

Students receiving Federal Title IV Financial Assistance who formally or informally withdraw from school are subject to Federal Return of Title IV Aid regulations as specified in the Higher Education Amendment of 1998. The calculation determines the aid earned by the student based on the days enrolled for the semester in relation to the total days in the semester. The aid considered not to be "earned" must be returned to the federal programs in the following order: Unsubsidized Federal Direct Stafford loans, Subsidized Federal Direct Stafford loans, Federal Perkins loans, Federal Direct PLUS loans received on behalf of the student, Federal Pell Grant, Teach Grant and Federal Supplemental Educational Opportunity Grant. Receipt of Federal Title IV Aid in excess of aid earned may be subject to repayment by the student if the student has withdrawn from school. The Office of Student Accounts notifies the student if a repayment is due. Failure to repay could result in loss of future Title IV Aid eligibility. If a waiver or contract is treated as a payment of tuition and fees that have actually been charged to a student, then the waiver or contract is considered estimated financial assistance, and the full amount of the tuition and fees must be included in the return calculation.

Example: Student received Title IV aid as follows: \$1,274.00 in Subsidized Federal Direct Stafford Loan and \$782.00 in Pell Grant. The student had \$844.00 in Institutional Charges. Student withdrew on day 25 of a semester having 112 days. The student has earned 22.3% (25 days divided by 112 days) of the Title IV aid which equals \$458.49 (Loan of \$1,274.00 plus grant of \$782.00 times 22.3%). The student has unearned aid of \$1,597.51 (Total aid received of \$2,056.00 minus aid earned of \$458.49) that must be returned to the federal programs. The Institution must return \$656.00 (\$844.00 Institutional charges times 77.7% unearned aid); all of this will be returned to the Subsidized Federal Direct Stafford Loan. The remaining \$941.51 (unearned aid of \$1,597.51 minus amount Institution returned of \$656.00) must be returned by the student. The student must repay \$618.00 (\$1,274.00 received in loan minus \$656.00 returned to loan by Institution) to the Subsidized Federal Direct Stafford Loan in accordance with the terms of the loan. The student must return \$162.00 (remaining unearned aid of \$941.51 minus \$618.00 returned to loan fund by student equals \$323.51 multiplied by 50% {students are required to return 50% of unearned grant funds}) to the Pell Grant Program.¹

¹ Copies of the complete refund policy for Federal financial assistance are available from the Office of Student Accounts located on the first floor of Deal Hall.

Dining Plans

Eagle Dining Services offers students the ability to enjoy great food while on campus with their Eagle Unlimited Dining Plan options. Descriptions of the Dining Plans are listed below. Students may register for a Dining Plan via the Housing Agreement on the web, at the Eagle Card Center in the Dining Commons, through the Eagle Dining Services website at <http://eagledining.georgiasouthern.edu>, or through their my.georgiasouthern.edu account. Dining Dollars are accepted at all dining locations on campus and Guest Passes may only be used at Lakeside or the Dining Commons.

Dining Plans

- | | | |
|---|--|---------------------------------|
| 1 | Eagle Unlimited Blue, 7-day unlimited access to the Dining Commons (Landrum and Lakeside) \$100 Dining Dollars Five (5) Guest Passes | \$1725.00/semester ¹ |
|---|--|---------------------------------|

2	Eagle Unlimited Gold, 7-day unlimited access to the Dining Commons (Landrum and Lakeside) \$300 Dining Dollars Eight (8) Guest Passes	\$1875.00/semester ¹
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- ¹ Dining Dollars and Guest Passes expire at the end of the semester. The Rates quoted above are for Fall 2015 and Spring 2016. Please visit the Eagle Dining Services website for current Dining Plan pricing.

Freshmen living in on campus housing are required to have a Dining Plan and information about this requirement is included on the University Housing contract. Please read and understand this information before signing your housing contract. Freshmen may choose either of the Eagle Unlimited Dining Plans for the duration of their first two semesters on campus.

Beginning each semester, the Eagle Card Center offers students the ability to add Eagleexpress Packages to their invoice prior to the first financial aid disbursement. Descriptions of the Eagleexpress Packages are listed below. Students may register for one of the Eagleexpress Packages by stopping by the Eagle Card Center in the Dining Commons, through the Eagleexpress web portal at <http://eaglecard.georgiasouthern.edu>, or their my.georgiasouthern.edu account. Dining Dollars are accepted at all dining locations on campus.

Eagleexpress Packages

1	Eagleexpress 350, \$350 on your Eagleexpress +10% in Dining Dollars (\$35)	\$350.00 ¹
2	Eagleexpress 700, \$700 on your Eagleexpress +10% in Dining Dollars (\$70)	\$700.00 ¹

- ¹ Dining Dollars expire at the end of the semester. The Rates quoted above are for Fall 2015 and Spring 2016. Please visit the Eagle Card Center website for current Eagleexpress Package pricing.

EAGLEXPRESS

EAGLEXPRESS® is a stored value plan you can use at campus restaurants, stores, snack centers, Printing and Postal Services, the University Store and Tech Corner. You can even use it to pay parking, health services, and at selected off-campus restaurants and retail locations. All students have an EAGLEXPRESS® account. It is activated by depositing funds into your EAGLEXPRESS® account.

To add funds to an EAGLEXPRESS® account, deposit money at the EagleCard Center located in the Dining Commons or through your eAccount (<https://georgiasouthern-sp.blackboard.com/eaccounts/AnonymousHome.aspx>).

You, your parents, family members or friends may make deposits with cash, a money order, a check, MasterCard, Visa, American Express or Discover. No minimum deposit is required and no service fees are charged. You may make deposits by phone with MasterCard, Visa, American Express or Discover by calling (912) 478-5311 or toll free at 1-(888) 346-3478. Mail checks or money orders to:

EagleCard Center
P.O. Box 8079
Georgia Southern University
Statesboro, GA 30460-8079

You can also go to your eAccount to add money to your EAGLEXPRESS® account or get a statement of your account activity for the last 30 days. You may use your EagleCard to make EAGLEXPRESS® purchases.

When you make a purchase the amount of the transaction is deducted from your EAGLEXPRESS® account, and it can never be overdrawn.

Money in your EAGLEXPRESS® account never expires and it can be used any time of the year both on and off campus. You cannot withdraw cash from the account during a semester, but may make a written request for a withdrawal when you graduate from Georgia Southern University.

You will find EAGLEXPRESS® is a great way to manage money needed to buy books, meals and other Georgia Southern goods and services.

University Housing

University Housing at Georgia Southern University operates eight housing units providing a living-learning environment for approximately 5,030 students and offering a variety of facilities, services, and programs.

In addition to providing reasonably priced housing, Georgia Southern University also strives to provide a positive environment conducive to the development and academic pursuits of its residents. Residence hall living provides social interaction and programming to heighten a student's sense of belonging, self-esteem, and self-actualization. Included in learning experiences are floor meetings, social programs, public service projects, rules and regulations, hall government, roommate contracting, and leadership training. These experiences provide students the opportunity to grow, achieve, find autonomy, and practice decision-making. With a staff of more than 300 employees, University Housing is committed to assisting students in making a smooth transition to college life.

First Year Live in On-Campus Housing Requirements/Eligibility

To be eligible to live in University Housing, one must be enrolled at Georgia Southern University and maintain a minimum of nine credit hours per semester. First year students, with some exceptions, are required to live in On-Campus housing. For detailed information about this policy, go to <http://www.gsuhousing.com/prospective> for guidelines and exceptions.

Applying for Campus Housing

Only students accepted for admission to Georgia Southern University may apply for campus housing. Housing information will be emailed to students after notification of admission acceptance.

Occupancy Periods

Students may occupy their assigned space from the date designated as the official opening of campus housing to the date designated as the end of the semester. Campus housing is closed between academic sessions. Some housing units provide housing during the Winter Break as part of the housing fees. Please refer to the housing website for additional information.

Removal from Housing

Students can be removed from Housing for the following reasons: Judicial reasons; non-enrollment, nonpayment of tuition, University fees, housing, and contract meal charges.

Rates

Housing rates vary based on the type of facility. Once rates have been approved by the Board of Regents, a complete listing of housing fees will be provided to applicants or may be viewed at <http://www.gsuhousing.com>.

Communities in the Residence Halls

Living in a residence hall means being part of a residential community focused on your academic success at Georgia Southern University. Each of the nine residence halls offers different communities based upon the students living there, the nature of the building and sometimes the specialized programs or floors that are based around themes, academic programs or other learning initiatives. Each year, University Housing, in

partnership with other campus offices, colleges, and faculty members, provides support to the students living in our residential communities in different ways.

More information about the different community options each year is available on the housing website at <http://www.gsuhousing.com>.

Questions pertaining to student housing should be directed to:

University Housing
Post Office Box 8102
Georgia Southern University
Statesboro, GA 30460-8102
(912) 478-5406
FAX: (912) 478-1148
housing@georgiasouthern.edu
<http://www.gsuhousing.com>

Student Life

As a part of its student-centered approach, the Division of Student Affairs and Enrollment Management dedicates itself to providing purposeful high quality programs that bolster our students' academic and personal development. Through the integration of student learning and career development, the Division of Student Affairs and Enrollment Management creates a holistic educational experience designed to contribute to the intellectual, emotional, physical, spiritual, and social development of the student. With this structure, students are afforded a seamless learning environment dedicated to preparing them to be leaders in a global community.

Student Affairs and Enrollment Management

The Division of Student Affairs and Enrollment Management provides leadership for the enrollment management function, a process designed to guide students and parents in their choice of a college or university, to facilitate the transition of students to college or from one college to another, to reduce student attrition and improve retention, and to enhance student outcomes. Successful enrollment management requires collaboration and cooperation among Admissions, Financial Aid, Marketing and Communications, the Registrar, the Bursar's Office, Academic Advisement, University Housing, and faculty. It is a team approach that begins with prospective students, continues throughout the college experience, and extends as students become successful alumni.

Dean of Students Office

Our team finds pleasure in interacting with students on campus, and we are enthusiastic about assisting the University in providing an environment that is conducive to learning and personal development. As a unit of the Division of Student Affairs and Enrollment Management, the Dean of Students Office upholds the values of the division by putting STUDENTS FIRST. We pride ourselves on service to students, and are committed to fostering the type of environment that is characterized by collegiality, civility, safety, free-expression, and respect, regardless of differences. The Dean of Students Office works collaboratively with other offices on campus to enhance the quality of student life.

Our Mission

The mission of the Dean of Students Unit supports the mission of the University and the Division of Student Affairs and Enrollment Management by promoting "student growth and life success" through advocacy, education, and communication according to the ethical standards of the National Association of Student Affairs Administrators in Higher Education.

The office accomplishes its mission by assisting students with voluntary withdrawals, sending notifications to faculty in the event of extenuating circumstances, illness and/or injury and communicating with students through Eglegrams, Messages from the Dean, and Campus Alerts. The Dean of Students Office believes that it is essential that issues and challenges confronting students be identified. Through both the "Talk With the Dean" program and one-on-one appointments, the Dean of Students Office meets with students to discuss and identify student concerns so that the University may serve them more efficiently and effectively. For more information, please visit our website at <http://deanofstudents.georgiasouthern.edu>.

Student Conduct Code

The Student Conduct Code is the official University publication governing student conduct and behavior. It is the responsibility of each student to become familiar with the rules and regulations governing student life.

Student conduct procedures, appeal procedures, and disciplinary sanctions are found in the Student Conduct Code at <http://deanofstudents.georgiasouthern.edu/conduct>. Georgia Southern University reserves the right to change the Student Conduct Code when it becomes necessary to ensure the orderly operation of the University. For additional information, call the Office of Student Conduct at (912) 478-0059 or visit the web at <http://deanofstudents.georgiasouthern.edu/conduct>.

Support Services

Russell Union Facilities and Event Services

The mission of the Russell Union Facilities and Event Services is to complement the educational mission of the University by providing an environment where students, faculty, staff, and guests can gather to participate and learn in an atmosphere that fosters a sense of community. Each of these spaces provides facilities, services, and support to programs that enhance the quality of out-of-class experiences. The Russell Union provides a multitude of event planning resources including facility reservations, audio visual services, and event consultation. The Russell Union also houses the following departments: The Office of the Dean of Students, Multicultural Student Center, Fraternity and Sorority Life, Office of Student Conduct, Russell Union Operations, Student Government Association, and the Office of Student Leadership and Civic Engagement. Included in the 110,000 square foot Russell Union facility is a 600-seat ballroom, a 444-seat movie theatre/auditorium, wireless Internet, 14 meeting rooms, two computer labs, Chick-fil-A, Starbucks, Talon's Grille, an information center, a catering kitchen, and several areas throughout the building to study, relax, and exchange thoughts and ideas with faculty, staff, and fellow students. The Williams Center's Office of Student Activities and the Student Organization Resource Center is a resource for students, organizations, and advisors with helpful information on organizational development, event planning resources, and full-time staff to support your co-curricular needs. The Williams Center includes a Multi-purpose Room that holds over 400 people, 26-seat conference room, and multiple meeting and work spaces available to students, faculty, and staff. The Offices of Student Media, Career Services, First Year Experience, and Educational Opportunity Programs also reside within the Williams Center building.

Campus Recreation and Intramurals

Campus Recreation & Intramurals, an integral and active service of the diverse University community, supports and strengthens the mission of Georgia Southern University and the Division of Student Affairs and Enrollment Management by fostering a culture of engagement that is dedicated to nurturing the whole student through wellness. As a department, our purpose is to provide growth opportunities and educational experiences which will enhance the quality of life and maximize the learning potential of each student. Through the provision of high quality, safe, and enriching programs and facilities in Fitness, Aquatics, Southern Adventures, Intramural Sports, Club Sports, Golf, and Wellness, we strive to promote and develop healthy life-style choices that will contribute positively to the overall wellness of the students, faculty, and staff at Georgia Southern.

M.C. Anderson Recreational Park - 2687 Akins BoulevardRecreation Activity Center (RAC):

- Free Weight, Machine Weight, Cardio, Group Exercise, Mind/Body, and Spinning rooms
- Wellness Center including massage therapy room and a fitness assessment lab
- 8 Multiuse courts (basketball, volleyball, indoor soccer)
- 3 Racquetball courts
- 3 Multipurpose rooms for dance and martial arts
- Southern Adventures Center
- 45-foot climbing wall and bouldering cave
- Aquatics Center complete with 25yd x 25m lap pool, whirlpool, sauna, 1m and 3m diving boards, and locker room facilities

Outdoor venues:

- Outside leisure pool and whirlpool
- Sand volleyball courts
- Band shell
- Multiplex and Club Sports fields (softball, soccer, flag football, lacrosse, and rugby)
- Pavilion that can accommodate a variety of events
- Challenge Course featuring low, high, and static elements

Georgia Southern University Golf Course at University Park -1031 Golf Club Road

- 18-hole golf course on 167 acres
- 30-station driving range
- Practice greens for chipping and putting
- 8,000 square foot clubhouse

Shooting Sports Education Center

- 30,000 square foot indoor archery center and firing range
- 20 acre outdoor archery park

CRI is comprised of nine recreational areas: Aquatics, Club Sports, Fitness, Informal Recreation, Intramural Sports, Southern Adventures, Golf, a Shooting Sports Education Center, and a University Wellness Program.

- The *Aquatics Center* provides the campus and surrounding community with a variety of recreational and educational programs designed to promote fun and safety on the water. We offer open swimming, diving, aqua aerobics, swim lessons, and lifesaving classes certified through the American Red Cross. Our facilities include an indoor pool that is handicap accessible, 1m and 3m diving boards, an outdoor leisure pool with basketball goals and a volleyball net, two whirlpools, a dry sauna, and a locker room with showers.
- *Club Sports* are unique student organizations in which the overall functions of the organization are student operated. Club Sports offer a way of finding others who share similar recreational interests, and may be organized for instructional, recreational and/or competitive purposes. Current organized clubs include Aikido, Archery, Baseball, Bass Fishing, Bowling, Cheer, Climbing, Cycling, Equestrian, Fencing, Cross Country, Lacrosse, Mixed Martial Arts, Rugby, Scuba, Soccer, Softball, Southern Explosion (dance), Swimming, Table Tennis, Tennis, Tae-Kwon-Do, Ultimate Frisbee, Volleyball, and Wrestling.
- The *Fitness Program* promotes health and wellness in many ways. Group fitness includes Yoga, Pilates, resistance, and traditional aerobic classes that help participants improve their cardiorespiratory fitness while also building strength and endurance. Personal training and fitness assessments are available to assist in evaluating fitness

levels and providing guidance to reach or maintain fitness and wellness goals, while lifestyle and weight management workshops provide education and support for creating a personal health strategy. Massage therapy is also available to aid in relaxation and stress relief.

- The *Georgia Southern University Golf Course at University Park* provides an 18-hole championship golf course and comprehensive practice facility that is open to students, faculty, staff, and the community. Programs and clinics are scheduled throughout the year to help introduce the fundamentals and build the skills necessary to enjoy a lifetime of golf. For those seeking to take their game to the next level, instruction by two PGA professionals is available.
- *Informal Recreation* allows participants to engage in a variety of unstructured recreation activities such as basketball, volleyball, racquetball, walking, or jogging. To support this mission, CRI also offers an equipment-lending program at no additional charge. Items available for checkout include: hand wraps, boxing gloves, racquetballs, racquets, basketballs, and heart rate monitors.
- *Intramural Sports* provide students, faculty, and staff the opportunity for competition and fun in a variety of team and individual sports activities. Divisions are available for men, women, and co-rec teams in a range of skill and competition levels. Participants can compete in flag football, dodge ball, basketball, indoor/outdoor soccer, swimming, softball, golf, tennis, ultimate frisbee, bowling, volleyball, and sand volleyball.
- *Southern Adventures* is the university community's resource for adventure programming. Southern Adventures provides guided backpacking, sea kayaking, canoeing, and cycling trips that range from weekend outings around the southeast, to extended travel around the globe. Their equipment rental center also provides all the gear necessary for embarking on your own adventures. The challenge course is designed to provide exciting, experiential opportunities that focus on leadership, communication, self-awareness, and interpersonal skills. A 45-foot climbing wall and bouldering cave allow participants to experience the thrill of rock climbing indoors. Instructional clinics are offered throughout the year to learn kayaking, belaying, navigating, and other hard skills necessary to confidently and safely enjoy outdoor recreation.
- The *Shooting Sports Education Center* seeks to assist students, faculty, staff, and the general public in developing the knowledge, skills, and appreciation necessary to be a responsible hunter, archer, or shooting sports enthusiast. A trained and certified staff provides instruction in the classroom and on the range to promote both competency and safe archery and firearms handling. The 30,000 square foot center is composed of a firing range and indoor archery center, as well as a 20-acre outdoor archery park with covered shooting lines.
- The *University Wellness Program* is focused upon enhancing staff, faculty, and student wellness. It is a combination of existing, new, and collaborative programming that addresses the seven dimensions of wellness: emotional, environmental, intellectual, occupational, physical, social, and spiritual. Numerous wellness opportunities are offered throughout the year, with Wellness Week being the major event.

Participation in CRI programs is completely voluntary. It is strongly recommended that all participants consult a physician and/or have a physical exam prior to participation. Participants are also urged to secure adequate personal medical coverage. Additional CRI program information can be found on our website at <http://recreation.georgiasouthern.edu>.

Career Services

The mission of Career Services is to guide members of the Georgia Southern University community in establishing career objectives through comprehensive programs which provide opportunities for individuals to learn strategies useful in reaching their career goals. As career advisors,

the Career Services staff assists students with choosing majors, identifying career options, gaining related work experience, and providing guidance in their full-time professional job search strategies through three distinct areas: Career Advisement, Experiential Education, and Professional Employment. The Career Advisement phase is designed to assist students in identifying academic majors and career options. Strategies include one-on-one or group career advising, career assessments, investigation of careers through a comprehensive collection of literature, and resources located in our Career Resource Center. Opportunities for Experiential Education are developed through the outreach efforts of the Employer Relations team in Career Services, and the students are prepared for these experiences through mock interview training, r sum /cover letter critique assistance, and structured academic courses that focus on Emotional Intelligence development and professionalism in the workplace. Professional Employment opportunities are available through the Eagle Career Net online job board and are open to all Georgia Southern University active students and alumni.

Experiential learning provides a valuable opportunity for students to acquire relevant work experience that will increase their marketability upon graduation. Internships and Co-ops provide an opportunity for students to evaluate whether their chosen career path or field of study is a good fit for them, develop their professional skills, and apply their academic knowledge while obtaining valuable real world experience in their field. The Office of Career Services at Georgia Southern University is committed to actively recruiting and promoting Internship and Co-op opportunities for all students and provides a centralized contact for all academic and non-academic related issues associated with experiential learning for all Colleges and majors.

Our professional staff advises and assists students in developing professional skills during their academic career so that they may complete an effective job search campaign prior to graduation. Workshops, class presentations, individual career advisement appointments, along with resources provided on the Career Services website, help prepare students in the areas of effective job search and networking strategies, cover letter and resume development, interviewing techniques, negotiation strategies, and making the transition from college to the world of work. Our department attracts a variety of industries and organizations to recruit Georgia Southern University students and alumni through resume referrals, on-campus interviewing, and by allowing employers to post positions on Eagle Career Net. By participating in On-Campus Recruiting opportunities, students are able to network with potential employers from all industries to inquire about full-time employment upon graduation. Career Services works collaboratively with the academic and local communities to provide all Georgia Southern University students with the tools necessary to be highly marketable and competitive in the job market arena.

For more information, please visit the [Career Services website](http://students.georgiasouthern.edu/career) (<http://students.georgiasouthern.edu/career>) or call (912) 478-5197.

Co-op and Internship Program

The Co-op and Internship program at Georgia Southern University encompasses both internship and cooperative education opportunities for students in all majors. Co-ops and Internships provide an opportunity for students to evaluate whether their chosen career path or field of study is a good fit for them, develop their professional skills, and apply their academic knowledge while obtaining valuable real world experience in their field. The Office of Career Services at Georgia Southern University is committed to actively recruiting and promoting Co-op and Internship opportunities for all students and provides a centralized contact for both academic and non-academic related issues associated with experiential learning for all Colleges and majors.

In order to participate in the Co-op and Internship program, students must be in good academic standing with the University and must agree to the

requirements of the program which include signing a Code of Conduct and a Waiver of Liability. Additionally, students must provide the Office of Career Services with an offer letter from their employer. The compensation package offered to the student is determined by the employer and board and lodging are the responsibility of the student. While participating in the Co-op and Internship program, students will be enrolled in non-academic, tuition-free COOP hours that will denote their experience on their student transcript. Students will be registered for the course through the Office of Career Services. Students and employers are required to submit evaluations at three identified points during their work term. Successful completion of the requirements will result in a pass or fail grade awarded to the student.

For more information about our Co-op and Internship program, please refer to the Student Co-op Handbook (<http://students.georgiasouthern.edu/career/files/Co-op-Student-Handbook-Revised-12-12.pdf>) and/or the Student Internship Guide (<http://students.georgiasouthern.edu/career/files/Internship-Guide-Revised-12-12.pdf>), visit the Career Services website (<http://students.georgiasouthern.edu/career>), or call (912) 478-5197.

Counseling and Career Development Center

The Counseling and Career Development Center offers services to students in need of assistance with academic, personal-social, or career concerns. In addition, consultation services are available to faculty who are concerned about students who show evidence of difficulties in the above areas. The Center's staff includes 10 professionally trained psychologists and counselors who are committed to helping students meet their personal and educational goals.

The Center offers personal counseling in areas such as self-esteem, depression, sexual identity, relationship conflicts, eating disorders, trauma and abuse issues, and family of origin concerns.

Group counseling offers students the opportunity to interact with others who have similar concerns while developing more satisfying relationships.

Career development helps students determine their aptitudes and interests, assess their career-related values, explore career opportunities, and develop strategies to achieve career goals.

Academic counseling enables students to identify their academic obstacles and to improve in the areas of study skills, test anxiety, and time management.

The Center's staff offers workshops designed to educate students, faculty, and staff about a variety of topics, such as stress management, dating violence, acquaintance rape, interpersonal relationships, and communication skills. Counseling staff members will conduct specific programs for campus groups or classes by request if notified two weeks in advance. Please see on-line outreach request form.

Counselors are also available to assist faculty who encounter students in crisis. The number to call during regular business hours Monday-Friday, 8 to 5, is (912) 478-5541, or after hours, (912) 478-5234.

University Programming Board

University Programming Board is Georgia Southern University's student-led programming board that consists of 4 Executive Officers, 4 student programming chairs, and 60 general members. This student organization provides programming that allows students to maintain a healthy balance between academic pursuits and social activities. University Programming Board offers a diverse selection of popular entertainment, spirited events, and campus traditions throughout the year and supports the academic mission of Georgia Southern University by collaborating with various

academic departments, organizations, and offices to provide programming based on a variety of topics and interests.

Major events produced by University Programming Board during the fall semester include Homecoming, Finals Feast and the Lighting of Sweetheart Circle. The Miss Georgia Southern University Scholarship Pageant, outdoor movies, concerts, and Lantern Walk are among the many programs coordinated during the spring semester. All events are open to Georgia Southern University students, faculty, and staff with their Eagle ID.

For more information about what programs are coming to campus, information about how to get involved, or a schedule of events, please contact the Office of Student Activities in the Williams Center, or visit the website at <http://students.georgiasouthern.edu/upb/>. Also, check us out on <http://www.facebook.com/gsupb>.

Educational Opportunity Programs

The Office of Educational Opportunity Programs (EOP) provides outreach services designed to promote postsecondary educational opportunities for youth. EOP has two programs, Talent Search and America Reads, that focus on student academic achievement from kindergarten to college.

Talent Search provides 800 middle school, high school, and out-of-school youth with the support and assistance needed to complete high school and enter a program of postsecondary education. Eligible candidates must reside in Bulloch, Emanuel, Jenkins, or Screven Counties; be enrolled in the 6th through 12th grades or be a high school/postsecondary school dropout; be a potential first-generation college student or meet the economic guidelines for low income families; possess the potential to be successful at the postsecondary educational level; be at least 11 years of age, or be a veteran, regardless of age.

America Reads is a Federal Workstudy program that promotes literacy for elementary school age children. College students at Georgia Southern serve as tutors for students in Bulloch County Schools. Students eligible for Federal Workstudy may use their award by tutoring up to 10 hours per week at a participating school.

Talent Search is funded by the U.S. Department of Education and is administered by Georgia Southern University, Division of Student Affairs and Enrollment Management. For further information about Talent Search and America Reads, visit the Educational Opportunity Programs in Room 1026 of the Williams Center, or call (912) 478-8746.

Health Services

Georgia Southern University Health Services is a department of Auxiliary Services and the Division of Student Affairs and Enrollment Management. Health Services is also a member of the American College Health Association (ACHA), the Southern College Health Association (SCHA), and is a former recipient of Georgia Southern University's President's Staff Team Award for Excellence in Service to Students. Health Services is nationally accredited by the Accreditation Association for Ambulatory Health Care (AAHC).

The mission of Health Services is to help Georgia Southern University students achieve the best possible physical and psychological health and to positively impact their long-term health-related behaviors by providing them with high-quality, cost-effective healthcare services, programs, and products. Health Services supports the vision, mission, and strategic initiatives of Georgia Southern University, the Division of Student Affairs and Enrollment Management, and the Division of Auxiliary Services.

Services and programs include primary care, minor surgery, non-operable orthopedics, and IV therapy; men's and women's health care;

immunization and allergy injection services; travel medicine services; laboratory services (moderate complexity CLIA certified medical lab); digital radiology services; respiratory therapy services; pharmacy services; an after hour and weekend Nurse Response Call Service; and health education, disease prevention, and wellness promotion programs/services including free HIV counseling and testing.

The Health Center is centrally located on Forest Drive across from Watson Hall near the Centennial Place residence hall complex. Operating hours are 8:00 a.m. to 5:00 p.m., Monday through Friday during semesters. Health Center hours are 10:00 a.m. to 4:30 p.m. when school is not in session. Limited clinic hours are available when school is not in session. As noted above, an after hour and weekend Nurse Response Call Service is available for students by calling the main Health Service phone number (912-478-5641 (<http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:912-478-5641>)). This service is staffed by experienced registered nurses and nurse practitioners who assist student callers with after hour and weekend referral to the Health Center or Statesboro area medical providers specific to the health care situation, as well as assisting students with general health and wellness questions, concerns, and issues. The information for all calls made to the Nurse Response Call Service is shared with the Health Center for appropriate student follow-up.

Health Services is available to Georgia Southern students for consultation, examination, diagnosis, and treatment of illnesses and injuries. All Georgia Southern University students are eligible for Health Services. Students enrolled in four (4) or more credit hours prepay the health fee at the beginning of each semester during the registration process when they pay tuition and student fees. This entitles those students to office visits throughout the semester for examination and treatment. Students taking fewer than four (4) credit hours may choose to pay an office visit fee (same price as the health fee) at the Health Center to receive the same level of medical services as students who pay the health fee at registration. Students who are engaged in off-campus internships, student teaching, or the tuition remission program do not pay the health fee at registration, and must pay the office visit fee separately to receive the services sponsored by this fee. There may be situations requiring out-of-pocket fees for certain medical services that are not covered by insurance or the student health fee. This includes Health Center Pharmacy prescription medications which are typically offered at or below health insurance plan pharmacy coverage co-pays.

A valid Georgia Southern University identification card is required to access services at University Health Services. Insured students should also present a current insurance card to the Health Services staff.

The well trained, experienced Health Services staff includes the following full-time positions: physicians, a physician assistant, nurse practitioners, nurses, administrative and clerical staff, a radiology technologist, a medical laboratory technologist, a certified respiratory therapy technician, a health educator, and an administrator. Health Services also employs part-time personnel in the clerical, health education, pharmacy, and nursing areas of the department.

The relationship between patients and Health Service staff is confidential and we strictly practice this rule of medical ethics. Students are entitled to privacy, within the capacity of the Health Services facility, and confidentiality to the extent of the law. Students may obtain a copy of our Notice of Privacy Practices, which may also be read on our web site. We are proud that our staff consistently receives high ratings for "Confidentiality" on our patient satisfaction surveys.

Some students may have medical conditions that require referral to other healthcare providers or specialists for consultation and/or treatment. All expenses related to the medical services of referred providers are the

responsibility of the student. In addition, students may at any time choose to use other medical providers at their own expense.

Students are encouraged to maintain health insurance coverage in case of hospitalization. For those who are no longer covered by their parents' insurance plan, or who may elect to purchase additional insurance coverage, Health Services has arranged for a Student Accident and Sickness Insurance Plan. To get an application or for more information about the insurance company or plan, please visit our web site at <http://auxiliary.georgiasouthern.edu/healthservices/> where you will find a link to the insurance company and their enrollment application form. Health Services provides its services, programs, and products regardless of students' insurance plan or lack of insurance.

For medical emergencies, contact the Bulloch County Emergency Medical Service (EMS), regardless of the time of day or night. Dial 9-911 if using a campus telephone or 911 if using an off-campus telephone. Georgia Southern University Public Safety may also be contacted at (912) 478-5234 ([http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:\(912\)%20478-5234](http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:(912)%20478-5234)) in case of emergencies.

Students who become sick or injured when the University Health Center is closed and feel they cannot wait until it reopens should seek medical treatment at East Georgia Regional Medical Center Emergency Room, which is located a short distance from Georgia Southern University on Fair Road in Statesboro, or at the Immediate Care Center located on Bermuda Run Road directly behind the hospital. All expenses related to emergency and after hours care are the responsibility of the student. Students are encouraged to carry their health insurance card with them at all times.

Students with medical questions or concerns can take advantage of our After Hours Nurse Response Services by dialing (912) 478-5641 ([http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:\(912\)%20478-5641](http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:(912)%20478-5641)) after normal business hours and on weekends. Students will be able to speak with qualified triage nurses and nurse practitioners to take care of their medical needs.

Health Services is proud to be among the outstanding student services offered by Georgia Southern University. Please feel free to contact us with your questions, comments, or suggestions at any time. Thank you for your interest in Health Services. We look forward to serving you. Please visit our web site for more information about the department, including monthly public health updates by the Medical Director, at <http://auxiliary.georgiasouthern.edu/healthservices/>.

Immunization Requirements

The Board of Regents of the University System of Georgia requires all new students to provide proof of immunization against Measles, Mumps, and Rubella (MMR); Tetanus-Diphtheria; Varicella (chickenpox); Hepatitis B (three doses of vaccine or positive Hepatitis surface antibody), required of all students who are 18 years of age or younger; and for residents of University Housing, acknowledgement of vaccination against Meningococcal disease, or acknowledgement of information received about Meningococcal disease and declined offer to be vaccinated are required before they are allowed to register for or attend classes at Georgia Southern University.

The Board of Regents has adopted the Centers for Disease Control's recommendation to modify the varicella (chickenpox) requirement and to post additional information about tetanus, diphtheria and acellular pertussis (whooping cough) vaccination, effective January 2007. The change in the varicella requirement mandates that all US born students, born in 1980 or later, as well as all foreign born students, regardless of the year born, are required to provide proof of immunization against varicella. All new students will be required to provide proof of immunization against Tetanus/Diphtheria, and the booster dose must have been received within 10 years prior to matriculation. A combined vaccine booster containing

tetanus, diphtheria, and acellular pertussis (whooping cough), known as Tdap, is preferred, but Td is acceptable.

Students are urged to acquire these immunizations, before arriving at Georgia Southern; however they may also be obtained at the University Health Center. All new students (freshmen, transfer, and graduate) are required to complete the Certificate of Immunization form. This form can be accessed through the Health Services website.

The following three groups of students are exempt from the immunization policy:

1. those with religious objections,
2. those with bona fide medical reasons supported by appropriate documentation from the attending physician, and
3. those who are active military and provide proof of such.

These three groups would be restricted from all campus premises in case of an outbreak of vaccine-preventable diseases, such as measles, mumps, rubella, or varicella.

International students are required to be screened for tuberculosis (TB). Visit the Health Service web site at <http://auxiliary.georgiasouthern.edu/healthservices/> for more information.

HEALTH SERVICES

P.O. Box 8043

Statesboro, GA 30460-8043

Main Phone: (912) 478-5641 ([http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:\(912\)%20478-5641](http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:(912)%20478-5641))

Fax: (912) 478-1893 ([http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:\(912\)%20478-1893](http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:(912)%20478-1893))

E-mail: health@georgiasouthern.edu (health@georgiasouthern.edu)

Immunization Office Phone: (912) 478-0743 ([http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:\(912\)%20478-0743](http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:(912)%20478-0743))

Immunization Office Fax: (912) 478-0792 ([http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:\(912\)%20478-0792](http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:(912)%20478-0792))

Immunization E-mail: immunization@georgiasouthern.edu (immunization@georgiasouthern.edu)

Appointment Office Phone: (912) 478-5484 ([http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:\(912\)%20478-5484](http://catalog.georgiasouthern.edu/undergraduate/student-life/support-services/health-services/tel:(912)%20478-5484))

Web Page: <http://auxiliary.georgiasouthern.edu/healthservices/>

Minority Advisement Program

The Minority Advisement Program (MAP) was established in 1983 to enhance the academic welfare of minority students in the University System of Georgia. The Minority Advisement Program is a peer mentor program designed to assist minority freshmen with their transition from high school to college and to facilitate a successful adjustment to Georgia Southern University. MAP is centered on minority freshmen students, but is open to any student seeking its services. With the assistance of peer leaders (MAP Sponsors), MAP tries to provide minority students with a wide variety of programs that assist them with the successful adjustment to Georgia Southern University academically and socially. Services include personal assistance to obtain resources available in such areas as academic advisement, financial aid, career counseling, tutoring, and campus orientation.

For more information about programs and services offered through the Multicultural Student Center visit www.georgiasouthern.edu/MSA or visit

the Multicultural Student Center on the 2nd floor of the Russell Union Room #2070. You may also contact us at (912) 478-5409 or by email at MSC@georgiasouthern.edu.

Multicultural Student Center

The mission of the Multicultural Student Center (MSC) supports Georgia Southern University's greater mission to support cultural diversity. The department is designed to educate and celebrate the cultural and ethnic diversity of students, staff and the Georgia Southern community. This is accomplished by cultivating leaders who value civility, problem solving and heritage. The Multicultural Student Center also promotes a fulfilling and comprehensive college experience which encourages social responsibility and personal well-being obtained through cultural opportunities both inside and outside the classroom. These include a series of support services, programs and activities that foster inclusion and pluralism.

In addition to facilitating diversity workshops in the classroom and for student organizations, the Multicultural Student Center also organizes and promotes campus-wide diversity events which includes but is not limited to: lectures, conferences, trips and leadership workshops. The Multicultural Student Center also collaborates with student organizations and faculty on cultural heritage month celebrations which include but are not limited to: Hispanic Heritage; Lesbian, Gay, Bisexual, Transgender & Questioning (LGBTQ) Awareness; Women's History Month; Black History Month; Religious Awareness; and much more.

For more information about programs and services offered through the Multicultural Student Center visit www.georgiasouthern.edu/MSC or the office located on the 2nd floor of the Russell Union Room 2070. You may also contact us at (912) 478-5409 or by email at mssc@georgiasouthern.edu.

Office of Student Conduct (Philosophy)

The Office of Student Conduct emphasizes a developmental approach toward discipline that is both educational and proactive and allows for maximum student growth. It is an integral part of the educational mission of Georgia Southern University and the Division of Student Affairs and Enrollment Management. The office embraces the concept of a student-centered university. A student-centered university is characterized by civility, respect, cooperation, responsibility, and understanding among all members of the campus community. It conveys high expectations for appropriate behavior and is designed to assist students in the development of an informed set of values, ethics, and beliefs. A student-centered university facilitates students' progression from campus life through graduation as competent contributors to society. As members of the campus community, students, faculty, and staff are encouraged to actively support:

- Academic integrity and honesty in the classroom.
- Ethical behavior in all aspects of University and community living.
- Civil discourse among all members of the campus community.
- A climate of trust, openness, and freedom of ideas.
- Transcultural environments, recognizing the differences in ethnic and cultural backgrounds and a greater understanding of issues related to gender.

For additional information, call the Office of Student Conduct at (912) 478-0059 or visit the web at <http://deanofstudents.georgiasouthern.edu/conduct>.

Southern's Orientation, Advisement, and Registration (SOAR)

Once accepted for admission, all undergraduate students must attend Southern's Orientation, Advisement, and Registration (SOAR). **SOAR is a mandatory program for all new students (freshmen and transfers)** which assists with their transition to University life and provides academic advisement, an opportunity to register for classes, *The Blue & White*, and other resource materials. Parents are invited and encouraged to attend SOAR. There is a fee for both students and parents to attend SOAR. Accepted students may complete an online orientation reservation, which can be found on the Office of Orientation's website, <http://admissions.georgiasouthern.edu/orientation/>.

For fall semester enrollment, freshman students can attend one of eight two-day SOAR sessions during the months of June and July. Transfer students can attend a one-day SOAR session during the months of June or July. For more information about SOAR, contact the Office of Orientation at (912) 478-SOAR, orientation@georgiasouthern.edu, or visit the website at <http://admissions.georgiasouthern.edu/orientation/>.

Student Leadership & Civic Engagement

Come visit the Office of Student Leadership & Civic Engagement in Russell Union Suite 1056, visit our website at <http://www.georgiasouthern.edu/LeadServe>, call us at (912) 478-1435, or contact us via email at leader@georgiasouthern.edu.

The Office of Student Leadership & Civic Engagement serves to advance the leadership potential and civic engagement of Georgia Southern students. Our mission, guided by the principles of transformational leadership, is to integrate learning, service, and leadership to empower students to become active, global citizens who lead with a lifelong commitment to service. The Office also provides students with information and resources about the many opportunities available to invest their lives in the community. Volunteering is a powerful way for students to gain hands-on professional level experience while addressing existing social issues and community needs.

Some of the programs provided by the Office include:

- **Southern Leaders Program** - A comprehensive, four phase leadership development experience built on a model of Transformational Leadership and focusing on self, collaborative/team, and community/organizational leadership. Integrating the core concepts of service and leadership, the program features a leadership mentoring or internship experience and culminates with a leadership legacy project. Upon completion of all program requirements, participants earn a Leadership and Service seal for their diploma.
- **Community Liaisons Program** - A civic engagement and service-learning program in which student leaders are placed in community agencies to help recruit and manage university volunteers and to assist with other needs of the agencies. Community Liaisons serve to strengthen partnerships between Georgia Southern and the local community.
- **Service-Learning Student Facilitators** - Students in this program learn the theory and practical skills of service-learning to work with faculty to create and manage service-learning experiences within academic courses.
- **SOLD Workshop Series** - The Office coordinates a weekly leadership workshop series for students who have an interest in developing their leadership skill sets.

- **Southern Collegiate Leadership Conference** - The annual Southern Collegiate Leadership Conference is designed for both students in leadership positions and students looking to advance their leadership skills.
- **LEAD 2031: Principles of Leadership** - This three credit hour academic course is an opportunity for students to gain a foundation in leadership studies while building leadership skills to enhance success in both personal and professional life.
- **Alternative Break Trips** - Offered in December/January, March, and May, these low-cost trips offer students the opportunity to spend their breaks investing their lives in service to others.

Student Media

Georgia Southern's Office of Student Media produces a student newspaper (The George-Anne) published Tuesdays and Thursdays during the academic year, a glossy general interest magazine (The Southern Reflector), and a semi-annual magazine of the arts (The Miscellany Magazine of the Arts). In addition, Student Media publishes news and entertainment online including video. Students perform all editorial, advertising, and marketing functions.

The mission of Student Media is to promote and build a sense of community by helping students learn about each other and how to become engaged in campus life and in the affairs of Georgia Southern University. The students who lead and work for these media outlets gain real-world experience and develop critical thinking and communication skills which are valuable in any career path.

For more information, contact the office at (912) 478-7459, or visit <http://deanofstudents.georgiasouthern.edu/student-media/>.

Student Organizations

Part of each student's education is the development of his or her talents outside of the classroom. Through offering a wide variety of activities with nearly 300 student organizations, Georgia Southern University promotes this growth. Current student organization classifications include academic, creative and performing arts, cultural, honorary, professional, service, social action/political, social fraternities & sororities, special interest, spiritual, and sports. Students are encouraged to log on to MyInvolvement via my.georgiasouthern.edu to gain more information about student organizations at Georgia Southern University or visit <http://www.georgiasouthern.edu/osa>.

The supervision and coordination of student activities and organizations are the responsibility of the Office of Student Activities. At Georgia Southern University, student activities and organizations are regarded as an integral part of the total educational program. To be recognized on campus, organizations must contribute to the academic, recreational or cultural climate of the University. Therefore, the University reserves the right to officially recognize each student organization and requires that it function in accordance with its constitution and/or purpose. Procedures for establishing new organizations can be found in the Guide to Chartering a Student Organization, available at the Office of Student Activities website. Practices of the various student organizations shall not be contrary to stated policies of the University. All students and student organizations are responsible for their conduct and for familiarizing themselves with the standards and regulations of the University. For more information on student organizations contact the Office of Student Activities, (912) 478-7270 or visit them in the Williams Center.

Student Government Association

The Student Government Association is the central student government organization on campus. Its five executive officers - President, Executive Vice President, Vice President for Academic Affairs, Vice President for

Finance, and Vice President for Auxiliary Affairs - are elected each Spring Semester by the student body.

Student Government represents the student body in all phases of student life at Georgia Southern University and facilitates communication among the administration, the faculty, and the student body. Individuals or organizations desiring input into the total life of the campus should enlist the services of the officers and senators. For additional information, call the Student Government Association at (912) 478-0655 or access their website at <http://students.georgiasouthern.edu/SGA>.

Office of Fraternity and Sorority Life

The Office of Fraternity and Sorority Life is an active part of student life on campus. Approximately 14 percent of full time undergraduate students are members of 25 fraternities and 12 sororities. These organizations provide opportunities for members to develop and refine personal leadership skills, make new friends, participate in campus activities and athletics, contribute to local and national philanthropies, and improve their scholarship aptitude. For additional information, call the Office of Fraternity and Sorority Life at (912) 478-5185 or access their website at <http://www.georgiasouthern.edu/fsl>.

The University Store

As the official campus store of Georgia Southern University, the University Store provides the products, services and programs that support student success. At the University Store, students enjoy the convenience of one-stop shopping in a dynamic Georgia Southern environment. The Eagle-centric shop sells licensed apparel, home decor and gift items to suit every Southern fan's needs.

The University Store offers all required textbooks and is a trusted campus resource for course materials and basic supplies. Georgia Southern University faculty work directly with the store to ensure a complete selection of required course materials. Unlike other stores and websites, the University Store only sells the correct and complete editions of textbooks and course materials. The store takes pride in its offerings and is confident in the unsurpassed customer service provided.

By selling new textbooks, used textbooks and eBooks, as well as offering competitive pricing and rental programs, the University Store gives students multiple purchasing options. The store partners with Georgia Southern University's Office of Financial Aid and accepts all forms of financial aid awarded through the Office. The University Store offers a wide selection of course material options in store and online.

Having a daily buyback program is one way the University Store puts cash back in the hands of students. If a book is required for a course the following semester, the store will pay up to 50% of the book's retail value unless the buying quota has already been met. The University Store understands the expense of a quality education and through buyback and an array of purchasing options is working to drive down the costs of textbooks and course materials.

Because the University Store is owned and operated by Georgia Southern University, store profits are reinvested into the campus providing financial support for facilities and programs benefiting students. For your shopping convenience or questions, the University Store is available 24 hours a day, seven days a week at gsustore.com (<http://gsustore.com>).

Military and Veteran Student Center (MVSC)

Georgia Southern is one of the nation's best comprehensive universities and proudly continues its student-centered heritage. Adhering to our principles of respect and encouragement, Georgia Southern's staff,

faculty, and students strive to ensure the academic and personal success of our military students and veterans, along with our students who are military family members. Our goal is to ensure that military and veteran students transition to college as smoothly as possible. In collaboration with a variety of University departments and organizations, the Military and Veteran Student Center (MVSC) provides coordinated services and resources in a one-stop location to ensure that all veterans, military service members, and their families are afforded the greatest opportunities for success. Members of our military community will experience individually-tailored support of the highest quality through the MVSC. Visit our website at <http://deanofstudents.georgiasouthern.edu/military/>.

Academic Information

The following information pertains to undergraduate students. Graduate students, please reference the graduate catalog.

General and Academic Information

Calendar

The University is organized on the semester system with each of the two semesters (Fall and Spring) in the regular session extending over a period of approximately 15 weeks. Fall, Spring, and Summer term calendar information can be found at <http://em.georgiasouthern.edu/registrar/resources/calendars/>.

Credit Hour Policy

Georgia Southern University's Credit Hour Policy follows the Federal Definition and the policies in effect at our accrediting body, the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) as well as at the University System of Georgia (USG).

Policy Statement

The Federal Definition

"A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than –

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately 15 weeks for one semester or trimester hour of credit, or 10 to 12 weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or
2. At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

SACSCOC Credit Hour Policy

<http://www.sacscoc.org/subchg/policy/CreditHours.pdf>

As part of its review of an institution seeking continuing accreditation, SACSCOC conducts reviews of an institution's assignment of credit hours. Academic credit has provided the basis for measuring the amount of engaged learning time expected of a typical student enrolled not only in traditional classroom settings but also laboratories, studios, internships, and other experiential learning and distance and correspondence education. Students, institutions, employers, and others rely on the common currency of academic credit to support a wide range of activities, including the transfer of students from one institution to another. For several decades, the federal government has relied on credits as a measure of student academic engagement as a basis of awarding financial aid. The University System of Georgia's definition of credit hours states, "The academic year shall consist of two (2) regular semesters, each not to be less than fifteen (15) calendar weeks in length excluding registration....A minimum of 750 minutes of instruction or equivalent is required for each semester credit hour." (USG Policy Manual Section 3.4)

Georgia Southern University Credit Hour Policy

The Georgia Southern University Credit Hour Policy applies to all courses at all levels (undergraduate, graduate, and professional) that award academic credit on an official transcript regardless of the mode of delivery including, but not limited to, fully online, hybrid, lecture, seminar, laboratory, studio, directed study, or study abroad. The academic units are responsible for ensuring that credit hours are awarded only for work that meets the requirements outlined in this policy.

Lecture Courses

Traditional lecture-based courses that meet only in a face-to-face format must meet for 750 minutes for each semester credit hour, whether offered in a full-semester, half-semester, or 5-week format. When courses are offered in hybrid or fully online format, 750 engaged minutes are still required and expected for each hour of credit and course content and learning outcomes should be equivalent to those established in face-to-face sections of the same course.

Laboratory/Studio/Clinical Courses

Georgia Southern University will require 1500 engaged minutes for each semester credit hour. In the case of laboratory, studio, or clinical courses, most of these engaged minutes will be spent in the actual execution of the laboratory, studio, or clinical exercises. When the laboratory, studio, or clinical is offered in an online format, 1500 engaged minutes are still required for each hour of credit and course content and learning outcomes should be equivalent to those established in face-to-face sections of the same course.

Additionally, there is an expectation that students spend a minimum of two hours on course work outside of class for every hour spent in class. Out-of-course-work might include, but not be limited to, such assignments as course related readings, research activity, project development, written theme or research papers, preparation for examinations, participation in discussion boards or focused chat rooms.

Classification

Students are classified at the beginning of each semester on the following basis:

Freshmen	0 - 29.99 credit hours earned
Sophomores	30 - 59.99 credit hours earned
Juniors	60 - 89.99 credit hours earned
Seniors	90 or more credit hours earned

Course Load

A student's course load is computed on the credit hour value of all courses taken for credit during the semester whether taken on-campus, off-campus, or by correspondence. A normal load in a semester is 15 to 18 hours. Twelve or more hours is considered a full-time load for undergraduate students. A student must take 6-8 hours to be considered a half time student. An advisor may approve an overload for 19-21 hours. The Dean of the College in which the student's major is found may approve an overload for 22-23 hours. Under extraordinary circumstances, a student's dean may recommend to the Provost that a student be allowed to take more than 23 hours, but never more than 25 hours. Students are allowed to take no more than seven (7) semester hours during Term A, B, D, and E. No more than 12 semester hours during the Long Term or a combination of concurrent terms. During the summer semester, an undergraduate student must receive approval from his/her advisor to enroll in more than 12 hours.

Registration Time Tickets and RANs

Undergraduate students are allowed to register on Georgia Southern University's web system, WINGS (Web Interactive Network for Georgia Southern), each semester by means of their time ticket. A "time ticket" gives a student beginning and ending dates and times for registration. Time tickets are assigned on the basis of total cumulative credit hours earned. Students may view their time ticket on WINGS by going through their MyGeorgiaSouthern (<http://My.GeorgiaSouthern.edu>) account. A student's time ticket on WINGS is found by first clicking on the "Student" menu. After choosing this menu, the student will click on "Registration," then click on "Check Your Registration Status, Time Slot and More."

Before any student at Georgia Southern University registers for classes on WINGS, he/she must have a RAN (Registration Access Number). This number will be given to each student by the appropriate academic advisor during advisement each semester. Post Baccalaureate students who have declared a major will receive their RAN from their academic advisor. Any Post Baccalaureate student who has not declared a major (undeclared) will get their RAN from their MyGeorgiaSouthern (<http://My.GeorgiaSouthern.edu>) account. Also, transient students will get their RAN from their MyGeorgiaSouthern (<http://My.GeorgiaSouthern.edu>) account.

Auditing Courses

A student may audit a course by submitting a written request to the Office of the Registrar. Academic credit is not awarded for auditing a class. Students may not transfer from audit to credit status or from credit to audit status after the last day of Drop/Add. A grade of "V" (audit) is entered on the student's record. The student will be responsible for all fees charged for the audited course.

Class Attendance

University policy requires all students to attend the first class meeting of all classes for which they are registered. Instructors are required to report attendance for all students registered in their classes. Students who are verified as "Not Attending" the first class meeting of a course for which they are registered will be dropped from the course. This policy applies to all levels of courses and includes on campus, off campus, distance learning, two way interactive video, and internet (online) classes. For online classes, students are usually required to make a discussion posting or send an email to the course instructor on the first day or before the first day of class noting attendance in the class. It is the student's responsibility to verify course drops and check that fees are adjusted. Students who have verifiable extenuating circumstances which prohibit them from attending the first day of classes must contact their instructor or complete the "First Day Exemption Request" form available online through the student's MyGeorgiaSouthern account (<https://my.georgiasouthern.edu/>) to avoid being dropped from the course. In lieu of contacting the instructor or completion of the web form, students may also call (912) 478-5152.

Exemption Request Forms are sent via email to both the Office of the Registrar and the instructor. The Office of the Registrar is only able to excuse an absence for the first day of class and only for documented instances related to military duty, court appearances, funerals or health issues such as a doctor's appointment or surgery. If the absence is for one day and meets the above criteria the Office of the Registrar will approve the absence by holding the seat for the student and notifying the student via email. The instructor will be copied on this email. Student documentation for the absence should be sent to the Office of the Registrar within the first two weeks of class. Requests for attendance exemptions that are not for the reasons specified above will not be approved by the Office of the Registrar. In this situation the student will

receive an email notification that the Office of the Registrar is not able to verify their attendance and to contact the instructor directly. The instructor will be copied on this reply email. Only the instructor and/or the Provost can hold seats if the absence is for more than the first day of class. Questions about this process can be directed to the Office of the Registrar at 912-478-5152 or sent via email to attendance@georgiasouthern.edu.

Students are expected to attend all classes. Each professor has the responsibility for setting specific policies concerning class attendance beyond the first class meeting, including whether they will accept excused absences and whether they will allow work missed to be made up. Professors should clearly state policies to each class and make clear what constitutes excessive absences. Departments may establish policies concerning class attendance provided there is unanimous agreement by faculty members within the department. The student is responsible for all material presented in class and for all announcements and assignments whether or not the student is in attendance. For Financial Aid reasons, attendance of all students will be officially verified before financial aid will be disbursed. Students who have been recorded as "Not Attending" may not receive their financial aid and will be dropped from the class roster. Students may check their attendance status via WINGS.

Students whose military obligations require their absence from class for more than the first day may seek an exemption from the class attendance policy. Students requesting an exemption should fax their military orders to the Associate Provost at (912) 478-5279 along with a request for an exemption prior to the start of the first week of classes. Working with the appropriate Associate Dean, the Associate Provost will ensure that the student's instructors are contacted and made aware of the request for an exemption. Instructors will carefully consider all such requests and base their decision upon the course attendance policies and the student's ability to catch up on missed course materials upon his or her return.

The University does not issue an excuse to students for class absences. In case of absences as a result of illness, representation of the University in athletic and other activities, or special situations, instructors may be informed of reasons for absences, but these are not excuses.

It is the policy of the University to permit students, faculty, and staff to observe those holidays set aside by their chosen religious faith. The faculty should be sensitive to the observance of these holidays so that students who choose to observe these holidays are not seriously disadvantaged. It is the responsibility of those who wish to be absent to make arrangements in advance with their instructors.

Policy for Changing a Student's Final Examination

A change in a student's final examination schedule will be approved only for emergency reasons, such as serious illness (a note from Health Services or family physician is required) or the death of an immediate family member (a letter or phone call from a parent, guardian, or physician is required). Letters and phone calls should be directed to the appropriate faculty member.

Final examination schedules will not normally be changed for any of the following reasons: wedding of the student, relative, or friend; part-time or full-time job or job interview; internship or field study; vacation; graduation of relative or friend; convenience of travel schedule; or only one final examination remaining at the end of the week. Exceptions to these guidelines can be made, but should be based on a very compelling case.

Using these guidelines, the student may submit a Request to Reschedule a Final Examination form to the instructor, who, with approval of the department chair, has authority to reschedule the final examination to a new time not conflicting with other regularly scheduled examinations or classes if he or she desires. This form is available on the Provost Office

website (<http://academics.georgiasouthern.edu/forms/>) under the Forms section entitled Reschedule Final Exam Form.

Policy for Changing a Student's Final Examination if There is a Conflict

A conflict is defined as three exams in a calendar day or two exams at the same time. Conflict Periods are scheduled at the stated times in the semester exam schedule, which can be accessed at: <http://em.georgiasouthern.edu/registrar/students/classinformation/>. To resolve a conflict in which a student has two examinations scheduled for the same period, the instructor of the lower numbered course shall reschedule the exam to another time mutually agreed on by the instructor and the student, or to one of the Conflict Periods.

To resolve a conflict in which a student has three examinations scheduled in one calendar day, the examination scheduled for the middle period shall be rescheduled to another time mutually agreed on by the instructor and the student, or to a Conflict Period on another day. **It is incumbent upon the student to petition his/her professor no later than the last week of classes so that an alternative arrangement can reasonably be made. The form is available on the Provost Office website (<http://academics.georgiasouthern.edu/forms/>) under the Forms section entitled Reschedule Final Exam Form.**

DegreeWorks

DegreeWorks is a degree auditing system. It is a web-based program that provides easy access for students and advisors to track courses completed and plan for those still needed in preparation for registration and graduation. It allows for easier, more efficient advising and it assists advisors in tracking student and advisor meetings. DegreeWorks should be used to enhance face-to-face advisement meetings. Using DegreeWorks will help students and the University with planning needs. DegreeWorks functions can be used similarly for Undergraduate and Graduate students. Information is the same for both unless otherwise noted. <http://em.georgiasouthern.edu/registrar/students/degreeworks>.

Transient Students

Georgia Southern University students (with a 2.0 or higher Georgia Southern total institution GPA) who wish to take course work at another institution and receive academic credit at the institution may do so if the following conditions are met:

1. Student must have a total institutional grade point average of 2.0 or higher;
2. Student must complete a Transient Form (available in the Registrar's Office or at <http://em.georgiasouthern.edu/registrar/students/forms/>) obtaining the approval of his/her advisor and the Registrar;
3. If the student is within the last 25% of hours needed for graduation, the student must also obtain the written approval of his/her department chair and academic dean;
4. Students with learning support requirements must obtain permission from the Director of the Academic Success Center;
5. Students may be approved for transient status for only one semester at a time;
6. Students must make a minimum grade of "C" to assure that the course will be accepted in transfer;
7. Students attending another institution as a transient student must request that an official transcript of course work as a transient be sent to Georgia Southern University's Office of the Registrar once the semester is over;
8. A student who takes his/her last work for a degree as a transient student during any graduation semester may not be eligible for graduation that semester;

9. A student must make application to the school he/she wishes to attend;
10. International transcripts require an official comprehensive course-by-course evaluation provided by one of the following or an alternative credentials agency: World Education Services <http://www.wes.org/> or Josef Silny and Associates, Inc. <http://www.jsilny.com>.

Note: Courses taken as a transient will not be calculated in the Georgia Southern University GPA. However, transient work may affect a student's eligibility for graduation with honors.

Grading Systems

All institutions of the University System of Georgia shall be on a 4.0 grade point average system. The following grades are approved for use in institutions in the determination of the Grade Point Average:

Symbols	Explanation	Grade Points
A	Excellent	4.0
B	Good	3.0
C	Satisfactory	2.0
D	Passing	1.0
F	Failure	0.0
WF	Withdrew Failing	0.0

The following symbols are approved for use in the cases indicated, but will not be included in the determination of the grade point average:

Symbols	Explanation	Grade Points
I	Incomplete	0.0
IP	In Progress	0.0
K	By Examination	0.0
NR	Not Reported	0.0
S	Satisfactory	0.0
U	Unsatisfactory	0.0
V	Audit	0.0
W	Withdrew	0.0
WM	Withdrew Military	0.0

Symbols	Explanation
I	An incomplete grade ("I") indicates that the student was doing satisfactory work but was unable to meet the full requirements of the course due to non-academic reasons. It is the student's responsibility to contact the instructor to complete the remaining requirements of the course. The instructor is responsible for keeping a record of all "I" grades assigned and the justification as to why the professor assigned the student the "I" grade. An "I" should be removed during the following semester, but the instructor may allow the student up to one calendar year to remove the incomplete. The student must complete the requirements of the instructor who assigned the incomplete and should not re-register for the course. If the "I" is not satisfactorily removed by the end of the third semester (one calendar year), it will be changed to an "F" by the Office of the Registrar. For HOPE scholarship recipients, "I" grades could affect HOPE eligibility status when the grade for the incomplete is eventually submitted to the Office of the Registrar. Students who had been awarded HOPE, but later became ineligible with the grade change, will have HOPE awards canceled until the next checkpoint, and will be responsible for the repayment of any HOPE funds received while not eligible.
IP	This symbol indicates that credit has not been given in courses that require an "IP" continuation of work beyond the semester for which the student signed up for the course. The use of this symbol is approved for dissertation, thesis hours and project courses. With the exception of Learning Support courses, this symbol cannot be used for other courses. This symbol cannot be substituted for an "I".
K	This symbol indicates that a student was given credit for the course by examination (e.g., College Level Examination Program (CLEP), Advanced Placement (AP), International Baccalaureate (IB), and Proficiency). See "Credit by Examination" in the Admissions section of the catalog.
NR	This symbol indicates that a grade has not been reported for the course by the instructor. The student should contact his/her instructor for the grade.
S	This symbol indicates that satisfactory credit has been given for completion of degree requirements other than academic course work. The use of this symbol is approved for dissertation and thesis hours, student teaching, clinical practicum, internship, and proficiency requirements in graduate programs. Also, this symbol is used for Early Alerts for freshmen and indicates that performance is equivalent to a "C" or better grade. An "S" is not included in the computation of the GPA.
U	This symbol indicates unsatisfactory performance in an attempt to complete degree requirements other than academic course work. The use of this symbol is approved for dissertation and thesis hours, student teaching, clinical practicum, internship, and proficiency requirements in graduate programs. A "U" is not included in the computation of the GPA.
V	This symbol indicates that a student was given permission to audit the course.
W	This symbol indicates one of the following: 1) A student was permitted to withdraw from a course without academic penalty. The "W" grade is assigned when a student withdraws before the last day to withdraw without academic penalty unless the student has reached his/her maximum of five withdrawals. If the student has reached his/her maximum five withdrawals, the student will have the choice to remain in the class and receive the grade he/she earns or proceed with the withdrawal and a "WF" will be assigned to the course by the Office of the Registrar (See "WF" grade description for more details).; 2) A student was administratively withdrawn from his/her course due at the end of the semester; 3) A student was administratively withdrawn from his/her course due to student conduct/judicial reasons. A "W" is not considered in computing the GPA.

WM	A "WM" grade indicates that the student was called for active duty in the military and withdrew from all classes. ¹
WF	This symbol indicates one of the following: 1) A "WF" grade is an option for a student who is wanting to withdraw from a class and has met his/her maximum five withdrawals at Georgia Southern University. If the student has reached his/her maximum five withdrawals, the student will have the choice to remain in the class and received the grade he/she earns or proceed with the withdrawal and a "WF" will be assigned to the course by the Office of the Registrar.; 2) If a student withdraws from all classes after the last day to withdraw without academic penalty, it is recommended to the instructor that he or she assign a "W" if the student was passing at the time of withdrawal. If a student withdraws from all classes after the last day to withdraw without academic penalty and is failing, it is recommended that the instructor assign a "WF". If a "W" or "WF" grade is not assigned by the instructor, a "WF" grade will be posted by the Office of the Registrar. "WF" grades are calculated in the student's GPA as an "F" grade.

¹ See "Military Withdrawals (p. 65)" for further information.

Other Transcript Designations

Symbols	Explanation
#	Academic Renewal (Forgiveness) Policy - will be used in the total institution GPA upon Academic Renewal: all past grades of A, B, C, and S will remain in the hours earned towards graduation, but they will not be included in the total institution GPA upon academic renewal.
*	College Preparatory Curriculum (CPC)
%	Institutional Credit - No Earned Hours - not used in calculating GPA
CR	Credit earned through military experience - not used in calculating GPA
N	When succeeding a grade, used to designate transfer credit - No credit awarded
T	When succeeding a grade, used to designate transfer credit

S/U Grading Options

Students may select the S/U grading option under the following conditions:

1. Student must have earned 67 credit hours prior to enrolling in any course for S/U grading;
2. Student must be in good academic standing;
3. Student must have declared a major;
4. S/U grading will be permitted only in courses being used to satisfy the free elective or minor requirements of the individual student's degree program. A maximum of three credit hours will be allowed for any minor. The option applies only to undergraduate courses;
5. Student may not change from S/U grading status to letter grade status or vice versa after the last day of Drop/Add.

Under the S/U grading option, the course content and requirements are the same for S/U registrants as for regular registrants. The minimum performance for an "S" grade is equivalent to the minimum performance for the letter grade "D".

A student electing the S/U grading option must obtain approval from the student's advisor. The advisor giving such approval should submit an email specifying this approval to the Registrar's Office.

Petition to Review/Change a Grade

The evaluation of the quality of a student's performance is the prerogative of the instructor. Nothing stated below is intended to place a limitation on this prerogative and the instructor will be involved in the review at each stage in the appeal process. All grade appeals should be viewed as confidential matters between the student, the instructor, and the appropriate administrators.

If a student does not understand the reason for a grade, it is the student's responsibility to consult the instructor of the course about the grade. If after such consultation the student does not agree with the basis on which the grade was assigned, the student may initiate an appeal according to the procedures given below. The burden of proof will rest with the student. There are four stages of appeal available to a student and they must be followed sequentially. This policy applies to Fall, Spring, and Summer semesters.

Stages Two through Four must be completed during the semester immediately following the semester in which the grade was assigned unless an extension is authorized by the Provost. At the completion of each stage of the appeal, the student is to be notified of the decision in writing.

Procedures

Stage One: An appeal must be initiated within 14 working days after the first day of class of the semester which immediately follows the semester for which the grade was awarded. The student should petition the instructor in writing, giving salient reasons for the grade appeal. The student should retain a copy of the written appeal for personal records.

Stage Two: If the student is not satisfied after the review by the instructor, the student should consult the department chair and submit a copy of the written appeal. The department chair will attempt to resolve the grade appeal. The chair will meet with the instructor and may consult with other persons who have relevant information.

Stage Three: If all efforts to resolve the grade appeal at the departmental level are unsuccessful, the student may submit the written appeal to the dean of the appropriate college. The dean will examine the appeal and other pertinent materials submitted by the student. The dean will meet

with the instructor and may also request from the instructor materials deemed relevant. In an attempt to resolve the grade appeal, the dean may interview the student, instructor, and others who may have pertinent information. If the dean determines the need for a review committee to examine the issue, the committee shall consist of:

- One faculty member from the department
- One faculty member from the college, but not from the department of the instructor
- One faculty member from another college
- Ex Officio: A staff member from Student Affairs and Enrollment Management recommended by the Vice President for Student Affairs and Enrollment Management

The committee, if appointed, will advise the dean regarding the grade under appeal. Whether the dean chooses to appoint a committee or not, the dean will render a final decision on the grade appeal at the college level.

Stage Four: If all efforts to resolve the grade appeal at the college level are unsuccessful, the student may submit the written appeal to the Provost. The Provost will examine the appeal and other pertinent materials submitted by the student. The Provost will meet with the instructor and also may request materials deemed relevant. In an attempt to resolve the grade appeal, the Provost may interview the student, instructor, and others who may have pertinent information.

If a committee was constituted at the college level, the Provost will review the process, the committee findings, and the decision of the dean and render a final University decision. If a committee was not appointed at the college level, the Provost has the option of appointing a review committee which will conform to the composition described in Stage Three. The committee, if appointed, will advise the Provost regarding the grade under appeal. Whether the Provost chooses to appoint a committee or not, the Provost will render a final University decision.

Early Alerts

Georgia Southern faculty report to freshmen (students who have earned 29 credit hours or fewer) their progress in each of their classes prior to mid-term.

Faculty assign one of the following early alerts:

S	Satisfactory
UA	Unsatisfactory: Attendance
UG	Unsatisfactory: Grades
UM	Unsatisfactory: Missing or Missed Assessment
UP	Unsatisfactory: Lack of Engaged Participation
UC	Unsatisfactory: Combination of Issues
ID	Insufficient Data

Freshmen are able to view an early alert in their WINGS student account as soon as the instructor enters one, which could be as early as the first week of classes or as late as the seventh. (To view Early Alerts, select "Student." Click "Student Records" and choose "Early Alerts" to view the grades assigned for all courses.) Progress may be determined by any and all means of evaluation (e.g., tests, quizzes, written assignments, class participation, attendance, or a combination). A grade of "S" will indicate that the student is doing the equivalent of "C" or better work.

Freshmen who receive unsatisfactory progress grades are advised to seek the counsel of their instructor and academic advisor to determine a plan for intervention which should help students be successful in their classes.

The intervention strategies may include workshops in the Academic Success Center, tutoring sessions, individual tutoring, enrollment in a tutorial class, assistance from the Student Disability Resource Center or Counseling Center, or withdrawing from the course if that is deemed necessary. See "Withdrawing from a Course (p. 64)" section.

Grade Point Average

The grade point average is the grade average on all work for which the student is enrolled excluding remedial and institutional credit. It is calculated by dividing the total number of grade points earned by the total number of credit hours attempted (GPA hours). The total institution GPA is based only on the course work done at Georgia Southern University and does not include transfer course work. To calculate your GPA, go to the First-Year Experience website at <http://academics.georgiasouthern.edu/fye/academics-101/gpa-standing/> and click on "Calculating Your GPA."

The total institution GPA is used for determining a student's academic standing. A student shall be in good academic standing unless he/she has been suspended or excluded from the University and not readmitted. An undergraduate student may repeat any course and the most recent grade becomes the official grade for the course even if the most recent grade is lower. In computing the total institution grade point average all grades will be used. Students should be aware that all grades earned at Georgia Southern University will appear on the Georgia Southern transcript.

A GPA is computed for each level (undergraduate, masters, specialist, doctorate) of course work. For example, a student who has been enrolled as both an undergraduate and a masters student will have one GPA for all undergraduate course work and one GPA for masters course work.

Policy for Limiting Individual Course Withdrawals

Undergraduates at Georgia Southern University may withdraw from a maximum of five courses for their entire enrollment at the University. Students who have reached their maximum number of withdrawals may elect to receive a "withdrawal-failing" (WF) grade in the course, which is calculated as an "F" for GPA purposes. A student who attempts to withdraw from a course beyond the limit without special permission from the dean of his or her college will continue to be enrolled in the course and will receive a grade at the end of the semester.

Only withdrawals incurred at Georgia Southern University count toward the maximum number of withdrawals. Withdrawals incurred prior to the implementation date (Fall 2009) will not count toward students' number of allowed withdrawals. Transfer students, irrespective of their classification upon enrolling at Georgia Southern, are also limited to five withdrawals at Georgia Southern.

Exceptions

Automatic exceptions are as follows:

- Withdrawals from courses taken during Summer semester do not count toward the maximum of five withdrawals.
- Withdrawals are automatically exempt from the maximum number of withdrawals when students withdraw from all classes for military or medical reasons that are documented and approved by the Registrar's Office or the Counseling and Career Development Center, respectively.

Petitions for exception based on other circumstances are heard in the following manner:

- In cases where students completely withdraw from the University for reasons not covered by the second bullet above, students may petition

in writing to the Dean of Students (or the dean's designee) to have these courses exempted from the total number allowed by completing the Voluntary Cancellation/Withdrawal Form. The form is available on the Office of the Registrar's website (em.georgiasouthern.edu/registrar/students/forms/) under the Forms section entitled Voluntary Cancellation/Withdrawal Form (<https://www.sta.georgiasouthern.edu/Axiom/Login.aspx?SourceID=31>).

- Once the withdrawal limit is reached, students will only be allowed to withdraw from an individual course or courses for extenuating circumstances beyond their control. To withdraw without penalty in these cases, students must appeal in writing to the dean (or the dean's designee) of their academic college (not necessarily the college in which the course is taught). Appeals for individual withdrawals are not heard unless the student has already reached the maximum number of withdrawals allowed.

Nothing in this list of exceptions affects a student's existing responsibilities for course fee payment or a student's financial aid status.

Withdrawing from a Course

Withdrawing from a course after the last day of registration (Drop/Add) can be done by either submitting a withdrawal via WINGS or completing a paper "Course Withdrawal" form and submitting it to the Registrar's Office prior to midnight on the last day to withdraw without academic penalty (this date is published in the University Calendar for each semester). For assistance with withdrawing from a course, contact the Registrar's Office in the Rosenwald Building. The office is open Monday-Friday from 8:00 a.m. - 5:00 p.m. Any student who registers for a course must either complete course requirements or officially withdraw before the last day to withdraw without academic penalty. An "F" will be assigned to any student who discontinues attending class without officially withdrawing from the course before the last day to withdraw without academic penalty. Beginning Fall 2009, all undergraduate students will be limited to a total of five withdrawals during their academic enrollment at Georgia Southern University. See "Policy for Limiting Individual Course Withdrawals (p. 64)" for more details. With the proper procedures followed by the student, a "W" grade will be issued for any course withdrawn from after the Drop/Add period but before the last day to withdraw without academic penalty, if the student has not met his/her withdrawal limit of five (5) classes. Fees will not be reduced if the course is withdrawn from after the Drop/Add dates.

Withdrawing from School

To discontinue enrollment prior to the first day of University classes, a student should complete and submit a Voluntary Cancellation Form. Any student who wishes to withdraw from school during the semester must complete and submit an official Withdrawal Form. Both forms are available at <http://em.georgiasouthern.edu/registrar/students/forms/>. Failure to complete and submit an official Withdrawal Form will result in the assignment of failing grades in all courses for which the student registered. A withdrawal is not permitted after the last day of classes. If the withdrawal is completed after the last day to withdraw, instructors are given the option of assigning "W" or "WF" grades. If the instructor does not assign a withdrawal grade, the Registrar's Office will post a "WF" grade for the course. A "WF" grade is calculated in the GPA as an "F" grade. Students will not be able to withdraw from all of their classes via WINGS. WINGS prevents students from withdrawing from their last course over the web.

Medical Withdrawals

Students may petition for a medical withdrawal from the University to the Director of the Counseling Center when significant physical or psychological impairments beyond the student's control interfere with the ability to meet academic requirements. Students wishing to petition

for such a voluntary, medical withdrawal should contact the Counseling Center. Medical withdrawals are not permitted after the term is completed (last day of classes). Medical withdrawals are exempt from the Limited Withdrawal policy.

Military Withdrawals

A student who is called to active duty to serve in the military while attending courses at Georgia Southern University is eligible to receive a Military Withdrawal. Students receiving this type of withdrawal are withdrawn as of the first day of University classes for the term. A 100% refund is issued. The student will receive "WM" grades for all courses that he/she enrolled in during the semester. The "WM" grades that are assigned will not affect the student's GPA. To process this type of withdrawal, the student needs to contact the Office of the Dean of Students or go online and submit a "Withdrawal Form." The student will need to provide the Office of the Registrar with a copy of his/her orders stating the date and place of deployment assigned by the military. Military withdrawals are exempt from the Limited Withdrawal Policy.

Petition to Withdraw from a Specific Course (Without Penalty)

In every case in which a student withdraws from a course before the last day to withdraw without academic penalty, a "W" is assigned, unless the student has met his/her withdrawal limit of five (5) classes. No petition is involved. Simply complete a "Course Withdrawal" form through the Office of the Registrar or withdraw from the course via WINGS. For a student to withdraw without academic penalty from individual courses after the last day to withdraw without academic penalty, the instructor must certify on the "Petition to Withdraw from a Specific Course" form all four of the conditions below and recommend withdrawal:

1. All work was up-to-date as of the last day to withdraw without academic penalty.
2. The work was of passing quality at the last day to withdraw without academic penalty.
3. Attendance was satisfactory up to the last day to withdraw without academic penalty.
4. The factors justifying withdrawal are essentially non-academic and developed after the last day to withdraw without academic penalty.

The instructor will be asked by the student to deliver the form to his/her Department Chair. The Department Chair also must recommend the withdrawal. If the instructor and Department Chair approve the withdrawal, the form must be sent to the Dean. The instructor or the Department Chair may deliver the form to the Dean. The Dean will submit the petition to the Office of the Registrar if he/she approves and recommends the withdrawal. This form may only be obtained from the Office of the Registrar. **All students who have met their five (5) maximum withdrawals will not be given the option to use this form to withdraw from any courses.**

Retroactive Withdrawal

A student who wishes to leave the University for nonacademic reasons is expected to withdraw during the current semester as described in the Withdrawal from School section. Requests to withdraw after the semester is over are rare and considered only if the student was somehow unable to withdraw. For example, students who were hospitalized or incarcerated, asked to perform military service on short notice, or seriously debilitated by a physical or mental illness may be unable to withdraw during the semester in which they are enrolled. In such cases, students may submit a letter of appeal to the Associate Provost along with the appropriate documentation (medical records, court documents, etc.) during the next long-session semester after the grade is reported. Requests made after

that time will not be considered. Retroactive withdrawals will not be considered if the student has completed all course requirements such as a final examination and/or a final project.

Transcripts - Ordering Via Email, Fax, Mail, or Web

Former students, as well as current students, may request a transcript by completing, signing, and sending the Transcript Request Form to the Office of the Registrar. The form is available on the Office of the Registrar's website (em.georgiasouthern.edu/registrar/students/forms/) under the Downloadable Forms section entitled Paper Transcript Request Form (<https://docs.google.com/a/georgiasouthern.edu/file/d/0BxNAGJ9mw9c3Tmt1NDU5eFRBUms/edit>). The Transcript Request Form may be faxed to (912) 478-1448, scanned and emailed to regrecords@georgiasouthern.edu (regrecords@georgiasouthern.edu), or mailed to:

Georgia Southern University
Office of the Registrar
P.O. Box 8092
Statesboro, GA 30460

Also, current or recently enrolled Georgia Southern students may order transcripts via the web at my.georgiasouthern.edu in WINGS. Select "Student," then "Student Records." Complete the request form "Request Printed/Official Transcript." Telephone requests will not be honored. One week must be allowed for processing a transcript request. There is no charge for transcript services. Students may print unofficial transcripts from their WINGS account by selecting "Student" then "Student Records." Go to "View Academic/Unofficial Transcript" to print your unofficial transcript.

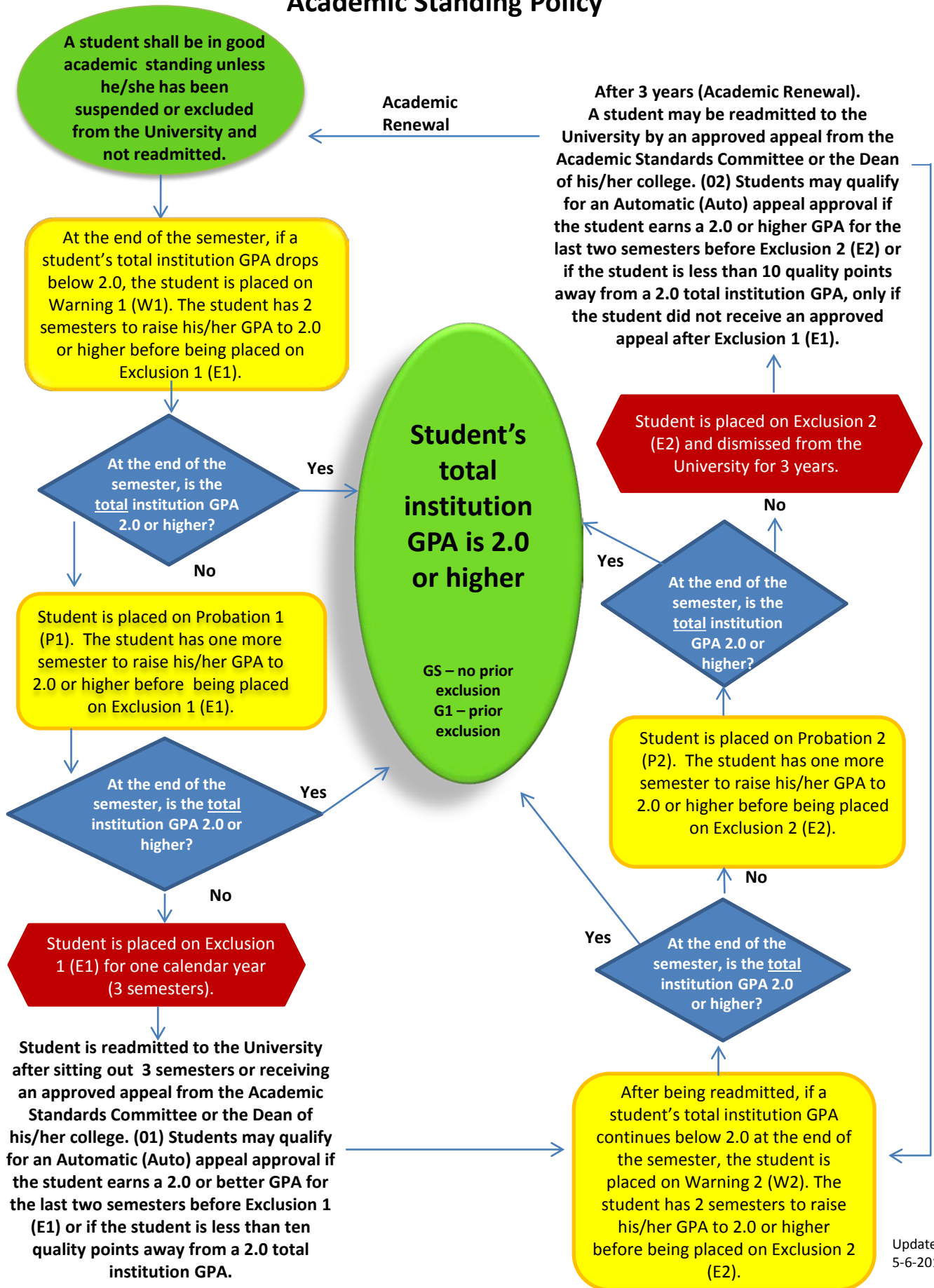
Academic Policies

Fall semester 2011, Georgia Southern University implemented a new Undergraduate Academic Standing Policy. A student shall be in good academic standing unless he/she has been suspended or excluded from the University and not readmitted. At the end of Fall 2011 semester, all students whose total institution GPA was below 2.0 were placed on Warning 1 (W1) at the beginning of their next semester of enrollment. Key parts of the new policies are as follows:

1. Academic standing will be determined by coursework completed at Georgia Southern University; transfer credit will not be considered.
2. All students will be allowed one approved appeal to the Academic Standards Committee or Dean of his/her college beginning Fall semester 2011.
3. **Any student (including transfer hours) with 30 or fewer overall earned credit hours whose total institution GPA is below 2.0 at the end of a semester will be placed on Academic Intervention and will be required to meet certain restrictions in order to enroll, including:**
 - a. Enrolling in Methods of Learning (GSU 1120), until satisfactorily (grade of "S") completed or a 2.0 total institution GPA is earned;
 - b. Restricted enrollment of 14 credit hours while enrolled in Methods of Learning (GSU 1120);
 - c. Meeting regularly with an advisor.
4. **A student whose total institution GPA falls below 2.0 at the end of a semester will be subject to the Academic Standing policy:**
 - a. **Warning 1 (W1) - notice that academic probation and subsequent exclusion from the University will follow unless the quality of academic work improves**
 - Imposed at the end of the first semester of enrollment in which the student's total institution GPA drops below a 2.0 GPA.

- A student on Warning 1 (W1) will be allowed to continue a maximum of two semesters of enrollment before being placed on Exclusion (E1) if his/her total institution GPA does not reach 2.0 or higher.
 - A student who raises his/her total institution GPA to 2.0 and later earns a total institution GPA below 2.0 will again be placed on Warning 1 (W1).
- b. **Probation 1 (P1) - notice that Exclusion (E1) from the University will follow unless the quality of academic work improves**
- Imposed when a student on Warning 1 (W1) does not raise his/her total institution GPA to 2.0 or higher by the end of the Warning 1 (W1) semester
 - A student on Probation 1 (P1) will be allowed to continue one semester of enrollment before being placed on Exclusion (E1) if the total institution GPA does not reach 2.0 or higher.
 - A student who raises his/her total institution GPA to 2.0 and later earns a total institution GPA below 2.0 will again be placed on Warning 1 (W1).
- c. **Exclusion 1 (E1) - imposed when a student with a Probation 1 (P1) Academic Standing does not raise his/her total institution GPA to 2.0 or higher by the end of the Probation 1 (P1) semester**
- Exclusion 1 (E1) allows the student to reflect on his/her academic status
 - Exclusion 1 (E1) is for one calendar year (three semesters)
 - Appeals to Exclusion 1 (E1) may be submitted to the Academic Standards Committee; if denied, appeals must be made through the Dean of a student's college.
 - If a student earns a 2.0 or better GPA for the last two semesters before Exclusion 1 (E1) or if the student is less than ten quality points away from a 2.0 total institution GPA, the student will be allowed to continue enrollment for the following semester without submitting an appeal. His/her registration will not be canceled; **however, this exception will count as the one and only approved appeal.**
5. **A student will be allowed no more than one approved appeal to the Academic Standards Committee or Dean of his/her college.**
- a. If an appeal is approved, the student will be readmitted to the University.
 - b. Once readmitted, a student will be allowed to continue a maximum of three semesters of enrollment if his/her total institution GPA remains below 2.0.
6. **If a student is readmitted after being placed on Exclusion 1 (E1), his/her academic standing will be Warning 2 (W2) if the total institutional GPA does not reach 2.0 or better by the end of his/her first semester of re-enrollment.**
- a. Warning 2 (W2)
 - Serves as notice that Academic Probation and subsequent Exclusion from the University will follow unless the quality of academic work improves.
 - After a student on Exclusion 1 (E1) has been readmitted, he/she will be placed on Warning 1 (W2) at the end of the first semester if the total institution GPA remains below 2.0.
 - A student will be allowed to continue a maximum of two semesters of enrollment before being placed on Exclusion 2 (E2) if his/her total institution GPA does not reach 2.0 or higher.
 - A student who raises his/her total institution GPA to 2.0 and later earns a total institution GPA below 2.0 will again be placed on Warning 2 (W2).
 - b. Probation 2 (P2)
 - Serves as final notice that Exclusion 2 (E2) from the University will follow unless the quality of the academic work improves.
- A student on Warning 2 (W2) who does not bring his/her total institution GPA to 2.0 or higher at the end of the semester will be placed on Probation 2 (P2).
 - After being placed on Probation 2 (P2), a student will be allowed to continue only one semester before being placed on Exclusion 2 (E2) if the total institution GPA remains below 2.0.
 - A student who raises his/her total institution GPA to 2.0 and later earns a total institution GPA below 2.0 will again be placed on Warning 2 (W2).
- c. A student on Probation 2 (P2) whose total institution GPA does not reach 2.0 or higher by the end of the semester will be placed on Exclusion 2 (E2), the final exclusion imposed on a student who has previously been excluded.
- The student is dismissed from Georgia Southern University for three years.
 - Appeals to continue before three years have passed are approved only in extraordinary circumstances.
 - Appeals must be filed within three semesters of being placed on Exclusion 2 (E2).
 - Appeals are allowed **only if** the student has not received an approved appeal previously.
 - Appeals must be made to the Academic Standards Committee or Dean of a student's college.
 - If a student makes a 2.0 or better for the last two semesters before Exclusion 2 (E2), the Academic Standards Committee will approve for the student to continue without submitting an appeal only if the student did not receive an approved appeal after Exclusion 1 (E1).

Academic Standing Policy



Academic Renewal Policy

The Academic Renewal Policy allows students who are enrolled in a University System of Georgia (USG) institution to have a fresh start if they have had academic difficulties in the past.

Requirements for Eligibility

- Current or former students must apply for Academic Renewal by contacting the Office of the Registrar. New students must contact the Office of Undergraduate Admissions. The granting of Academic Renewal is not automatic.
- Students must apply for Academic Renewal, if they choose this option, by the end of their third semester of enrollment or by the end of one calendar year, whichever comes first.
- Academic Renewal may be granted only once by a USG college or university.
- Students must have experienced their academic difficulties at Georgia Southern University or be a transfer student from a regionally accredited institution of higher education to be eligible for Academic Renewal.
Readmitted students:
 - Undergraduate students who return to a previously attended USG institution may be eligible for Academic Renewal.
 - Readmitted students must be absent from Georgia Southern University for three (3) years, the required period of absence.
 - The period of absence is calculated based on the period of time between the date of last enrollment at Georgia Southern University and the date of return to Georgia Southern University.
 - Only coursework completed prior to the period of absence may be considered for Academic Renewal. If Academic Renewal is granted, all coursework completed prior to the period of absence will be renewed.
 - Students may attend other institutions during the period of absence; however, that coursework will not be eligible for Academic Renewal. Transfer credit for any coursework taken during the period of absence shall be granted in accordance with the prevailing USG and Georgia Southern University policies and procedures regarding the awarding of transfer credit.

Transfer students:

- Students who previously attended a USG institution or any regionally-accredited institution of higher education and transfer to Georgia Southern University may be eligible for Academic Renewal for coursework taken three (3) or more years prior to the term of enrollment at Georgia Southern University.
- If Academic Renewal is granted, all coursework completed three (3) years prior to the term of enrollment at Georgia Southern University will be renewed.
- Courses taken less than three (3) years prior to the term of enrollment at Georgia Southern University are ineligible for consideration for Academic Renewal. Transfer credit for any coursework taken three (3) or more years prior to the first term of enrollment at Georgia Southern University shall be granted in accordance with the prevailing USG and Georgia Southern University policies and procedures regarding the awarding of transfer credit. Retained grades are not calculated in a renewal GPA. Such credit is considered in the same context as transfer credit, credit by examination, and courses with grades of "S".

About the Policy

- A student's total institution Grade Point Average (GPA) upon Academic Renewal will begin at his/her first semester of enrollment/re-enrollment at Georgia Southern University.

- All past academic suspensions and exclusions will remain on the student's permanent record.
- All Georgia History, Constitution, College Preparatory Curriculum (CPC), and other Board of Regents Policy requirements met prior to Academic Renewal will remain on the student's permanent record and will count in regard to those policies.
- Graduation with honors will be based on the cumulative (overall) GPA as defined in the policies for determining graduation with honors. All previous grades will be used in determining honors.
- Reentry into a student's previous major program is not automatic.
- The granting of Academic Renewal does not supersede any financial aid policies.
- Academic Renewal will not supersede admissions requirements for certain programs which require a specific minimum GPA based upon all course work.

Total Institution GPA:

- All past grades of D and F will be forgiven in the readmitted student's total institution GPA upon Academic Renewal, but will remain in the student's official cumulative Georgia Southern University GPA. The student will lose credit for courses in which he/she earned D grades.
- All past grades of A, B, C, and S will remain in the student's hours earned toward graduation, but they will not be included in the readmitted student's total institution GPA upon Academic Renewal. They will, however, be included in the student's official cumulative Georgia Southern University GPA.
- Transfer Institution GPA:
 - All past grades of D and F will be forgiven in the student's transfer institution GPA upon Academic Renewal. The student will lose credit for courses in which he/she earned D grades.
 - All past grades of A, B, C, and S will remain in the student's hours earned toward graduation, but they will not be included in the student's transfer institution GPA upon Academic Renewal.

Learning Support Dismissal

Effective Fall Semester 2012

1. A Learning Support student who is placed on dismissal for failure to exit the Learning Support Program will be excluded for one year.
2. Alternately, a Learning Support student who is placed on dismissal for failure to exit Learning Support may apply for readmission as a transfer student after satisfying Learning Support requirements and completing 30 credit hours of college-level work at another institution with a minimum GPA of 2.0.

Readmission

A student who has been placed on Exclusion 1 (E1) may apply for readmission to Georgia Southern after remaining out for one year (three semesters). After a subsequent Exclusion 2 (E2), a student may apply for readmission after remaining out for three years. A former student application should be submitted to the Registrar's Office for the semester readmission is desired. A student will have to be approved for Academic Renewal (please see Academic Renewal (p. 68) in the Academic Information section) to be readmitted.

Right of Appeal

In all matters concerning Exclusion 1 or 2, the student may appeal by writing to the Registrar and clearly stating the basis for an appeal. The student may appeal after receiving an Exclusion 2 if the student has not received an approved appeal after they received an Exclusion 1. The appeal will be considered by the Academic Standards Committee.

A student will be allowed no more than one approved appeal to the Academic Standards Committee and/or to the student's dean.

Appeal forms are available online at <http://em.georgiasouthern.edu/registrar/students/forms/> and must be submitted electronically. Click "Student," click "Forms," and scroll down to the readmission appeal form and submit the appeal. The student should submit the appeal as soon as possible but must be received in the Office of the Registrar prior to 4 p.m. three (3) working days before the first day of University classes for the semester the student is seeking readmission to Georgia Southern University. Individuals failing to satisfy the deadline may submit their appeal for the following term.

Requirements After Readmission

Following any academic exclusion and a subsequent readmission, a student will be allowed to continue a maximum of three semesters of enrollment before their total institution GPA has to be above a 2.0. At this time the student will be placed on Academic Exclusion 2 if the total institution GPA is not a 2.0 or higher.

Repeating Courses

An undergraduate student may repeat any course and the most recent grade becomes the official grade for the course even if the most recent grade is lower. All grades will be used in computing the total institution GPA. The total institution GPA will be used to determine a student's academic standing and graduation GPA requirements.

Attending Other Colleges and Universities

The University cannot request another institution to accept a student during any period of ineligibility at Georgia Southern University, but we have no objection to another institution allowing you to attend while on Exclusion 1 or Exclusion 2. No transfer credit hour will be awarded at Georgia Southern University for credit hours earned at another institution during any period of academic or disciplinary ineligibility.

President's List

During any term, an undergraduate or post baccalaureate student enrolled in 12 or more credit hours and making a term GPA of 4.0 will be placed on the President's List. A President's List Certificate will be awarded by the President.

Dean's List

During any term, an undergraduate or post baccalaureate student enrolled in 12 or more credit hours and making a term GPA of 3.5 - 3.9 will be placed on the Dean's List. The Dean's List Certificate will be awarded by the appropriate dean.

Honors Day - Academic Awards

Each year in April, the University honors outstanding students from all disciplines and areas of college life. The Honors Day Convocation highlights outstanding awards such as the "University System Academic Recognition Award," "The Georgia Southern Alumni Association Scholarship Award," Outstanding Scholar, selection to the Honor Society of Phi Kappa Phi and other honor societies, and Who's Who Among Students in American Universities and Colleges. In addition, other students receive special awards from departments.

Election to membership in the national Honor Society of Phi Kappa Phi will be made on the basis of the following criteria:

1. A GPA of 3.5 or above with senior classification; 3.7 or above with junior classification;
2. Sound character;
3. Enrollment at Georgia Southern University for at least one year;
4. Juniors elected may not exceed one percent of candidates for graduation that year;
5. Seniors elected may not exceed ten percent of candidates for graduation that year;
6. Graduates elected may not exceed ten percent of students receiving graduate degrees that year.

To be honored for Outstanding Scholar, the student must have earned at Georgia Southern University a total institution GPA of 3.5 or higher. The student must have completed at least 15 credit hours of resident degree credit at Georgia Southern University. This group will include currently enrolled undergraduate students, undergraduate students who have completed requirements for graduation, and baccalaureate students working toward a second degree. These students will be recognized by standing as a group on Honors Day. Seniors who have applied for graduation for the upcoming Spring, Summer, and Fall commencement will receive a certificate for "Outstanding Scholar Graduating Senior with a GPA of 3.9 or Higher at Georgia Southern" and will be recognized on stage if they meet the following criteria:

- Spring prospective graduates must be enrolled in enough credit hours Spring semester to reach 60 Georgia Southern University credit hours at the end of Spring.
- Summer prospective graduates must be enrolled in enough credit hours Spring and Summer semesters to reach 60 Georgia Southern University credit hours at the end of Summer.
- Graduates must have a 3.9 GPA or higher at Georgia Southern.

Selections for Who's Who Among Students in American Universities and Colleges will be made on the basis of the following criteria:

1. An institution GPA of 3.0 or above;
2. Campus and/or community leadership;
3. Campus and/or community service;
4. Junior or senior classification.

Any member of the faculty, staff, or student body may nominate candidates for Who's Who Among Students in American Universities and Colleges. Final selections will be made by the Honors Committee from these nominations. These students will be recognized by standing as a group on Honors Day.

Selections for Special Awards will be made by the various organizations and departments in keeping with established criteria.

Any organization wishing to present a new award should make application through the Honors Day Committee. New awards to be presented on Honors Day must be submitted for approval by the Honors Day Committee before the beginning of the previous Fall semester. Criteria and information about the award can be sent to the Office of the Registrar and the coordinator of Honors Day will submit the information to the Honors Day Committee for review.

Graduate Credit for Seniors (Senior Privilege)

A Georgia Southern University senior within nine (9) credit hours of completing the requirements for the bachelor's degree may apply for

Senior Privilege to enroll in graduate courses (up to a total of nine credit hours) for graduate credit providing:

- The student submits a Senior Privilege Application Form found at <http://cogs.georgiasouthern.edu/wp-content/uploads/SeniorPrivilegeApplicationForm.pdf>;
- Permission to enroll in such courses is obtained from the chairperson of the department involved, the appropriate graduate program director, and the COGS (College of Graduate Studies);
- The student is otherwise qualified for Regular Degree Admission to the COGS;
- The total term load does not exceed fifteen (15) credit hours, with no more than nine (9) credit hours of graduate credit. ***Under no circumstances may a course be used for both graduate and undergraduate credit.***

Requirements for All Degrees

	Credit Hours
Area A1 - Communication Skills	6
Area A2 - Quantitative Skills	3
Area B - Global Engagement	4
Area C - Humanities, Fine Arts, and Ethics	6
Area D - Natural Sciences, Mathematics, and Technology	11
Area E - Social Sciences	12
Area F - Courses Appropriate to Major	18
Additional Requirements - Health, Kinesiology, and First-Year Seminar	6
Upper Division Requirements and Electives	60
Total Credit Hours	126

Definition of a Major

A major program must include 21 credit hours or more of upper division (junior-senior level) courses in a field of study.

Regents' Exemption Policy

Students enrolled in Composition I (ENGL 1101/WRIT 1101/ENGL 1101H) or in Composition II (ENGL 1102) who earn an unsuccessful grade ("D" or "F") will be required to take the course again in the following term in which the student is enrolled to ensure that they can build on the necessary skills needed for demonstrating competence in written communication. Faculty teaching the course will design an individualized course of study, based on a required conference during the first two weeks of the re-take semester. The student and faculty will determine the particular practices necessary for successfully completing the course with a least a "C" grade.

History and Constitution (U.S. and Georgia) Requirements

Georgia law requires that each candidate for a degree or certificate demonstrate knowledge of the history and constitution of the United States and Georgia. These requirements may be met by passing examinations offered by the Testing Office (912) 478-5415, <http://studentsupport.georgiasouthern.edu/asc/testing/legislative-exemption-exams/> or by receiving a passing grade (D grade or higher) in certain courses at Georgia Southern University. The courses and the requirement(s) each course satisfies are as follows:

- POLS 1101/POLS 1101H Introduction to American Government satisfies Georgia Constitution and United States Constitution;
- HIST 3133 United States Constitutional History satisfies United States Constitution;

- HIST 2110/HIST 2110H/HIST 2110S U.S. A Comprehensive Survey satisfies Georgia History and United States History;
- POLS 3330 State and Local Government satisfies Georgia Constitution;
- HIST 4130 Georgia History satisfies Georgia Constitution and Georgia History.

Equivalent courses taken at an out-of-state institution **will not** satisfy the Georgia History or the Georgia Constitution requirements.

If the student has transfer courses from colleges in the State of Georgia or has questions about his/her History or Constitution requirements, the student may contact his/her advisement center or academic advisor to determine how to satisfy the remaining requirements.

These requirements may be met if the student has already received credit for the College Level Examination Program (CLEP) and/or the Advanced Placement Program (AP) and/or the International Baccalaureate Organization (IBO). Credit is awarded as follows:

- CLEP for POLS 1101 American Government satisfies United States Constitution
- CLEP for HIST 2110 U.S. A Comprehensive Survey satisfies United States History
- AP for POLS 1101 American Government satisfies United States Constitution (Georgia Constitution requirement will be satisfied only if the student has completed the AP course at a Georgia high school)
- AP for HIST 2110 U.S. A Comprehensive Survey satisfies United States History (Georgia History requirement will be satisfied only if the student has completed the AP course at a Georgia high school)
- IBO for HIST 2110 U.S. A Comprehensive Survey satisfies United States History (Georgia History requirement will be satisfied only if the student has completed the IBO course at a Georgia high school)

Equivalent courses or tests listed above taken at an out of state high school, **will not** satisfy the Georgia History or the Georgia Constitution requirement.

Information concerning preparation classes that will prepare students for the examinations offered by the Testing Office can be accessed at studentsupport.georgiasouthern.edu/asc/testing/legislative-exemption-exams or call (912) 478-5415.

Other Degree Requirements

Foreign Language Requirements

1. Requirements for Students Subject to CPC (College Preparatory Curriculum)-High School Graduation less than five years ago: Students graduating from high school are subject to CPC. These students are required to complete two years of the same foreign language in high school to satisfy CPC requirements. If the CPC requirement in foreign language is not met at the time of enrollment, the student must enroll in a first foreign language course (1001) which will count toward college graduation.
2. Requirements for Students Not Subject to CPC-High School Graduation more than five years ago: Students graduating from high school more than five years ago are not subject to CPC. These students may count the foreign language toward graduation even though they may have completed these levels of the same language in high school.

Students who graduate from high schools outside the United States are not subject to the CPC requirements. Students whose native language is not English and have graduated from a high school in the U. S. and who have not satisfied CPC in high school may take a proficiency exam in their

native language and satisfy their CPC requirement, if they are proficient at the Elementary II (1002) level of their language.

Foreign Language Degree Requirements

B.A. Degree Requirements in Foreign Languages

B.A. degree students must complete through an Intermediate II course or its equivalent. Equivalence may be demonstrated by one of the following:

1. Secondary school background showing four (4) years or more of preparation in a single language;
2. Taking and passing a placement test which grants credit through the Intermediate II course;
3. Written certification by the Department of Foreign Languages that the student's residence abroad, family background, or other non-academic circumstance has provided the equivalent of Intermediate II proficiency.

Students who continue the language which they began in high school may do one of the following:

- Enroll in Intermediate I (2001) or higher and complete the foreign language sequence through Intermediate II (2002). Students who are admitted with three or more years of preparation in a single language may want to seek higher placement through testing or advisement.
- Take a placement test for credit for Intermediate I (2001) and/or Intermediate II (2002). Students who receive credit for Intermediate I (2001) but not Intermediate II (2002) may then enroll in Intermediate II (2002).
- Enroll in one or more elementary foreign language course(s) (1001/1002) as well as the two Intermediate level courses (2001/2002). All Accelerated Elementary and Intermediate (1060 and 2060) courses count toward graduation.

The four basic sequence courses (1001, 1002, 2001, and 2002) will count toward graduation for B.A. degree students who take **all** four courses. The accelerated sequence (1060, 2060) allows students to complete the B.A. requirement in two semesters.

B.S. Degree Requirements in Foreign Languages

B.S. degree students whose programs specify a foreign language or allow for the option of a foreign language must complete through the Intermediate I (2001) course or equivalent. Equivalence may be demonstrated by one of the following:

1. Secondary school background showing three (3) years or more of preparation in a single language;
2. Taking and passing a placement test which grants credit through the Intermediate I (2001) course;
3. Written certification by the Department of Foreign Languages that the student's residence abroad, family background, or other non-academic circumstance has provided the equivalent of Intermediate I proficiency.

Students who continue the language which they began in high school may do one of the following:

- Complete course work through Intermediate I (2001).
- Take a placement test for credit for Intermediate I (2001). Students who are admitted with three or more years of preparation in a single language may want to seek credit for Intermediate I (2001) or higher placement through testing or advisement.
- Enroll in one or more elementary foreign language course(s) (1001/1002), as well as the Intermediate level course Intermediate I (2001). All Accelerated Elementary and Intermediate courses count toward graduation.

B.S. degree students who choose to start a language will take all three basic sequence courses (1001, 1002, 2001) and they will all count toward graduation.

NOTE: Intermediate I (2001) and Intermediate II (2002) may be taken concurrently with permission from the Foreign Language Department.

Graduation Requirements

Subject to the limitations and qualifications stated elsewhere in this catalog, the requirements for the baccalaureate degree are as follows:

- Undergraduate students should have their programs of study checked with their advisors at least three semesters before anticipated completion of degree and submit an "Application for Graduation." All degree seeking graduate students expecting to graduate must apply for graduation no later than the semester **before** degree requirements are expected to be completed.
- To have a degree awarded, the graduation fee must be paid and all other financial obligations or "holds" must be satisfied or removed before the end of the semester that the student is planning to graduate.
- Students must earn at least 25 percent (32-34 credit hours) of their degree requirements in residence at Georgia Southern University. The last 25 percent (32-34 credit hours) of credit must be earned at Georgia Southern University, unless an exception is made for the student to be a transient student at another institution. A student cannot complete requirements immediately following the term he/she is in attendance as a transient student at another institution unless an official transcript of transient credit is received by the Registrar prior to the end of the semester at Georgia Southern University.
- For the B.A. degree, a maximum of 32-34 credit hours of upper division course work in the major may be allowed to count toward the minimum of 126 credit hours required for graduation.
- For the B.S. degree, a maximum of 40 credit hours of upper division course work in the major may be allowed to count toward the minimum of 126-135 credit hours required for graduation.
- At least half of the courses required in the major must be taken at Georgia Southern University.
- At least nine credit hours of the 15 required in the minor must be taken at Georgia Southern University.
- At least 12 credit hours of the 18 required in the concentration must be taken at Georgia Southern University.
- A maximum of three credit hours may be taken under the S/U grading system within any minor.
- The total institution cumulative GPA of all courses (at least 126 credit hours) applying to the degree must be 2.0.
- A student must fulfill all major, minor and specific requirements prescribed for the degree and satisfy the legal requirements with regard to evidence of an understanding of the History and Constitutions of Georgia and of the United States.
- A student must satisfy the Regents' Test requirement for the University System of Georgia. Exemptions will be evidence of competence and shall satisfy the requirement. All students completing Composition I (ENGL 1101) and Composition II (ENGL 1102) or their equivalents with a minimum grade of "C" will have satisfied this requirement. This is a requirement for graduation.
- All students will be required to complete any current requirements beyond the catalog, such as legislative, certification and Board of Regents requirements.
- Advisors may recommend course substitutions in the major when deemed necessary by submitting the request for approval to their department chair. The substitution is then submitted to the Registrar who will review each request in accordance with the Board of Regents and institutional policies.

- For students whose initial enrollment is Fall 1998 and after, Methods of Learning (GSU 1120) will not apply to the degree.
- Credit for Military Science (MSCI) Courses will appear on the student's record. For students who are not pursuing a Military Science minor, four of these credit hours, either transfer or resident, may be applied toward the 126 credit hours required for a degree provided it meets with the approval of the appropriate advisor and department.
- A minimum grade of "C" is required in all Area A1 and A2 courses.
- A maximum of five physical activity credit hours may be applied to the 126 hours required for a degree.
- Students typically satisfy the requirements for graduation listed in the catalog when they initially enroll at Georgia Southern University. However, with the approval of their advisor, students enrolled Fall 1998 and after may elect to satisfy the graduation requirements specified in any of the catalogs in effect while they are enrolled. A change of major does not constitute a change of catalog for these students. If a major is changed after Fall 1998, students must satisfy semester major requirements. **However, if a student has been out of school for 10 or more calendar years and re-enters, the current catalog requirements (at time of re-entry) will apply. Any exceptions require the approval of the advisor, department chair, and dean.**
- All outstanding "I" or "IP" grades must be cleared and all transcripts from other institutions must be received before the end of the term the student plans to graduate.
- Academic and financial obligations not met before the end of the semester for which a student has applied to graduate will result in the conferring of the degree the following semester in which these obligations are met.

Second Majors

To earn two majors, both have to be under the same degree.

For example: B.A. Spanish/B.A. Biology or B.S. Psychology/B.S. Mathematics. Students seeking a second major within the same degree program must complete the specific requirements for both majors. An application for the second major must be submitted to the Office of the Registrar. Both majors will be noted on the transcript.

Dual Degrees

A student who has been awarded a baccalaureate degree from Georgia Southern or another accredited institution may be granted a second baccalaureate degree provided the following conditions have been fulfilled:

1. If the first degree is earned at Georgia Southern, a student may seek a second undergraduate degree only if the degree is different from the first degree.
2. The student must satisfy all major requirements listed for the chosen program of study.
3. The student must complete the history and constitution requirements.
4. The student must take a minimum of 30 additional credit hours at Georgia Southern.
5. The student must earn at least 50% of the credit hours toward the major at Georgia Southern.
6. The requirement of a minor for the B.A. degrees will be waived, if the first degree content area is among the recognized minors at Georgia Southern as listed in the "Minors" section of the Georgia Southern catalog. If the student seeks a B.A. and has not already completed a major or minor recognized by Georgia Southern, the student would be required to complete a minor from the list of approved minors. The minor requirement is also waived for students who hold a B.G.S. from Georgia Southern and are seeking a B.A. degree.
7. The student may work on two degrees at the same time.

Graduation With Honors

Honors are computed in the Office of the Registrar and all questions concerning honors should be directed to that office. There are three sets of criteria in effect, and the set that applies is determined by the student's first date of attendance at Georgia Southern. Only baccalaureate degree candidates are eligible to graduate with honors. Students seeking graduate degrees are not eligible for graduation with honors. The following requirements must be met:

1. At least 60 hours of credit must be earned at Georgia Southern University. Hours enrolled in Spring for May candidates will be computed to reach the 60 hours. Spring and Summer hours enrolled for Summer candidates who elect to participate in the May graduation will be computed to reach the 60 hours. Hours enrolled in Fall for December candidates will be computed to reach the 60 hours. Attaining the required 60 hours will ensure that the candidate will be recognized as graduating with honors at the respective commencement ceremony.
2. To determine eligibility for recognition of graduation with honors at the ceremony, the student's grade point average at the end of the term prior to the commencement ceremony will be used. After graduation and all final grades are recorded and all degree requirements are complete, honors are re-calculated and will be added to diplomas and transcripts, if honors are achieved.
3. The first GPA criterion is that the minimum average for a particular level of honors must be earned on all undergraduate course work taken at Georgia Southern University.
4. The second GPA criterion is that the minimum average for a particular level of honors must be earned on all undergraduate course work attempted at all institutions attended.
5. If applying the two GPA criteria, the lower GPA will be used to assess the level of honors, if any.
6. The honors assigned and the scholastic records are:

Cum Laude	3.5 - 3.69
Magna Cum Laude	3.7 - 3.89
Summa Cum Laude	3.9 - 4.0
7. HONORS FOR SUBSEQUENT BACCALAUREATE DEGREES: In addition to the preceding, a third GPA criterion applies to students earning subsequent undergraduate degrees. The student must earn the minimum average for a particular level of honors on all course work taken between the most recent undergraduate degree and the current degree. The lowest of the three GPA calculations will be applied to assess the level of honors, if any.
8. HONORS FOR STUDENTS WHO SELECT ACADEMIC RENEWAL: Please refer to the policy regarding Academic Renewal.

Core Curriculum Course Requirements

AREA A1 - Communication Skills (6 Credit Hours Total)

Learning Outcome

Students will demonstrate written competence in adapting communication to specific purposes and audiences.

A minimum grade of "C" will be required in all Area A1 courses.

		Credit Hours
ENGL 1101	Composition I	3
ENGL 1102	Composition II (Prerequisite ENGL 1101)	3

AREA A2 - Quantitative Skills (3 Credit Hours Total)

Learning Outcome

Students will represent, manipulate, and apply mathematical knowledge using analytical, graphical, and numerical approaches.

A minimum grade of "C" will be required in all Area A2 courses.

		Credit Hours
Select one math course from the following:		3-4
MATH 1101	Introduction to Mathematical Modeling (Not a prerequisite for MATH 1112 or MATH 1113) ¹	
MATH 1111	College Algebra ²	
MATH 1112	Trigonometry (Prerequisite MATH 1111 or equivalent academic background) ^{3, 4}	
MATH 1113	Pre-Calculus (Prerequisite MATH 1111 or equivalent academic background) ³	
MATH 1441	Calculus I (Prerequisite MATH 1112 or MATH 1113 or equivalent academic background)	

¹ Satisfies Area A2 in CLASS and some CHHS Programs.

² Credit earned for only one of these courses (College Algebra (MATH 1111) or Introduction to Mathematical Modeling (MATH 1101)) can count toward graduation.

³ Credit earned for only one of these courses (Trigonometry (MATH 1112) or Pre-Calculus (MATH 1113)) can count toward graduation.

⁴ Fulfills the Pre-Calculus (MATH 1113) requirement for most majors.

AREA B - Global Engagement (4 Credit Hours Total)

Learning Outcome

Students will identify major themes across diverse societies in their historical and cultural contexts and will apply this knowledge through engagement in local and global communities.

		Credit Hours
HIST 1112	World History II: Emergence of Modern Global Community	3
FYE 1410	Global Citizens (Prerequisite FYE 1220) ¹	1

¹ For students entering before Fall 2011 -(IDS) Interdisciplinary Studies 2210 (Turning Points and Connections)

AREA C - Humanities, Fine Arts, and Ethics (6 Credit Hours Total)

Learning Outcome

Students will analyze historical and contemporary fine arts or other cultural products from individual and diverse social perspectives.

Students may satisfy Area C by successfully completing requirements outlined below in Option 1 or Option 2.

		Credit Hours
Option 1 (6 Credit Hours)		
Select one literature course from the following:		
ENGL 2111	World Literature I (Prerequisites ENGL 1101 and ENGL 1102)	3

ENGL 2112	World Literature II (Prerequisites ENGL 1101 and ENGL 1102)	
Select one humanities/fine arts/ethics course from the following:		3
ART 1000	Art in Life	
COMM 1110	Principles of Public Speaking (Prerequisite ENGL 1101)	
Foreign Language 1001	Elementary I ¹	
Foreign Language 1002	Elementary II ¹	
Foreign Language 2001	Intermediate I ¹	
Foreign Language 2002	Intermediate II ¹	
Foreign Language 1060	Accelerated Elementary (3 of 6; 3 credit hours to Area C) ¹	
Foreign Language 2060	Accelerated Intermediate (3 of 6; 3 credit hours to Area C) ¹	
HUMN 2433	Classicism	
HUMN 2434	Myth in Arts and Humanities	
MUSC 1100	Music Appreciation	
PHIL 2010	Introduction to Philosophy	
RELS 2130	Introduction to Religion	
THEA 1100	Theatre Appreciation	
UHON 1132	Inquiry in the Humanities	
Option 2 (6 Credit Hours)		
HUMN 2321	Humanities I (Prerequisite or concurrent enrollment in ENGL 1101)	3
HUMN 2322	Humanities II (Prerequisites ENGL 1101 and HUMN 2321)	3

¹ Language can be Arabic, Chinese, French, German, Japanese, Latin, or Spanish.

AREA D - Natural Sciences, Mathematics, and Technology (11 Credit Hours Total)

Learning Outcome

Students will apply foundational principles of science, math, or technology to the process of scientific inquiry.

Select **one** course from Section I, one course from Section II, and Section III may be satisfied by selecting a course in any of the three sections. Only **two** courses in the same discipline may be chosen in Area D.

	Credit Hours
Section I - Traditional Laboratory Science Course (4 Credit Hours)	
Select one traditional laboratory science course from the following:	4
ASTR 1010 &ASTR 1211	Astronomy of the Solar System and Astronomy Lab
ASTR 1020 &ASTR 1211	Stellar and Galactic Astronomy and Astronomy Lab
BIOL 1130 &BIOL 1110	General Biology and General Biology Laboratory
CHEM 1145	Principles of Chemistry I
CHEM 1151	Survey of Chemistry I
GEOL 1121	Introduction to the Earth
PHYS 1111 &PHYS 1113	Introduction to Physics I and Physics Lab I
PHYS 2211 &PHYS 1113	Principles of Physics I and Physics Lab I
Section II - Environmental Science with Lab (4 Credit Hours)	
Select one environmental science course with lab from the following:	4
BIOL 1230 &BIOL 1210	Environmental Biology and Environmental Biology Laboratory
CHEM 1040	Chemistry and the Environment
GEOL 1340	Environmental Geology
PHYS 1149	Environmental Physics
Section III - Mathematics, Science or Technology Elective (3 credit hours minimum) (3 Credit Hours)	
Select one mathematics, science or technology elective. Course can be chosen from either section I, II, or III in Area D	3
ASTR 1000	Introduction to the Universe
BIOL 1331	Insects and People

BIOL 1333	From Neuron to Brain
BIOL 1335	Plants and Civilization
CHEM 1030	Chemistry and Your World
CHEM 1146	Principles of Chemistry II
CHEM 1152	Survey of Chemistry II
CISM 1110	Computer Applications
CISM 1120	Computer Concepts
CSCI 1230	Introduction to BASIC Programming
CSCI 1232	Introduction to FORTRAN Programming
GEOG 1111 &GEOG 1110	Climate and the Landscape and Climate and the Landscape Lab
GEOL 1122	General Historical Geology
GEOL 1430	Dinosaurs, Extinctions and Disasters
GEOL 1530	Principles of Oceanography
MATH 1112	Trigonometry
MATH 1113	Pre-Calculus
MATH 1232	Survey of Calculus
MATH 1441	Calculus I
MATH 2242	Calculus II
MATH 2243	Calculus III
PHYS 1112 &PHYS 1114	Introduction to Physics II and Physics Lab II
PHYS 1135	How Things Work
PHYS 2212 &PHYS 1114	Principles of Physics II and Physics Lab II
STAT 2231	Introduction to Statistics I
STAT 2232	Introduction to Statistics II
TCGT 1530	Global Sustainability and Innovation
UHON 1133	Inquiry in the Natural Sciences

AREA E - Social Sciences (12 Credit Hours Total)

Learning Outcome

Students will examine and articulate how constitutional, cultural, economic, geographic, historical, political, or social forces have shaped and continue to shape an evolving and diverse human experience.

		Credit Hours
ECON 2105	Economics in a Global Society	3
HIST 2110	U.S. A Comprehensive Survey	3
POLS 1101	American Government	3
Select one social science elective course from the following:		
ANTH 1102	Introduction to Anthropology	
GEOG 1130	World Regional Geography	
PSYC 1101	Introduction to Psychology	
SOCI 1101	Introduction to Sociology	
UHON 1131	Inquiry in the Social Sciences	

Additional Requirements (6 Credit Hours Total)

		Credit Hours
FYE 1220	First-Year Seminar	2
HLTH 1520	Healthful Living	2
Select 2 Physical Activity Course (1 credit hour each)		2

Comprehensive Learning Outcomes

Critical Thinking: Students will interpret, analyze, and evaluate information and ideas using a logical and ethical framework.

U.S. Perspectives: Students will examine and articulate how constitutional, cultural, economic, geographic, historical, political, or social forces have shaped and continue to shape an evolving and diverse US experience.

Global Perspectives: Students will identify major themes across diverse societies in their historical and cultural contexts and will apply this knowledge through engagement in local and global communities.

Students will construct informed and ethical arguments about historical and contemporary fine arts or other cultural products from the standpoint of diverse cultures.

Students will apply scientific inquiry to evaluate evidence, results, and claims related to the natural sciences or technology and their effects on broader human or societal issues.

Students will examine and articulate how constitutional, cultural, economic, geographic, historical, political, or social forces have shaped and continue to shape an evolving and interdependent global community.

University Programs

Center for International Studies

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The Center for International Studies (CIS) at Georgia Southern University is an independent academic unit committed to maximizing opportunities for providing the campus and local communities with exposure to a variety of internationalizing perspectives, ideologies, and philosophies. Through the development and implementation of both curricular and extracurricular programs, the Center aims to instill the knowledge, skills, and abilities necessary for preparing students to be successful in a globalized world. The infusion of global and interdisciplinary education into Georgia Southern's curricula, research, and service activities to develop high quality, globally-focused degrees, initiatives, programs, and projects are at the core of this mission, serving as a catalyst for interdisciplinary, experiential, and innovative engagement among faculty and students across the institution. The CIS promotes and administers Georgia Southern's global partnerships and study abroad programs, offers an array of interdisciplinary academic services, promotes on-campus community and international outreach, houses International Student Services and the English Language Program, and supports global learning, business, and economic development in Southeast Georgia.

Objectives:

1. Improve degree programs in International Studies and International Trade in accordance with the Center's strategic vision
2. Enhance the global dimension in other degree programs and across the campus through interdisciplinary minors, concentrations, programs, and relevant international content courses
3. Develop study abroad, exchange, research, and internship programs by establishing linkages with foreign institutions of higher education
4. Provide excellent services and programs for international students at the University
5. Support faculty development by providing and encouraging opportunities for international teaching and research

6. Promote extracurricular programs aimed at increasing international awareness on the Georgia Southern campus, in the Statesboro community, and throughout Southeast Georgia
7. Offer services to regional businesses and industries interested in conducting business in the global marketplace

Undergraduate Academic Programs

International Studies, B.A.

The B.A. in International Studies is a challenging major designed to provide an undergraduate, interdisciplinary social science background for careers both inside and outside the United States. The course work requires a student to choose one emphasis from the following:

- Development, Aid, and Sustainability
- Security, Conflict, and Diplomacy
- Societies, Cultures, and Traditions

Students majoring in International Studies become highly proficient in understanding global affairs through a variety of means:

- The study of the culture, history, and political economy of regions outside the United States
- The acquisition of a high level of proficiency in a second language
- Direct experience of another culture by studying or working abroad

International Trade, B.S.

The B.S. in International Trade is a professional degree designed to provide an interdisciplinary business background for careers outside the United States or in international businesses and agencies within the U. S.

The degree will require completion of a prescribed course of study and an internship overseas or with a business or institution having an international component in the United States. The purpose of this internship is to immerse the student in the professional practice within the culture and in the language which has been studied for the required foreign language minor.

Area Concentrations

The Undergraduate Concentrations in Africana Studies, Asian Studies, European Studies, and Latin American Studies allow students to supplement a disciplinary major with broad interdisciplinary exposure to one of these areas of study. Students pursue a focused curriculum that will provide a solid foundation for employment in African, Asian, European or Latin American related fields.

Approved course listings for all degree-related services are available in the Center for International Studies.

Area Minors

Interdisciplinary minors with an international focus are available in Africana Studies, Irish Studies, Japanese Studies, and Latin American Studies. These minors can be combined with a variety of majors to add an international component to the degree.

Significant International Content Courses

Some B.S. degree programs allow for choice of completion of a foreign language at the 2001 (Intermediate I) level or the selection of a single course with significant international content. The majors associated with these B.S. degrees are:

Child and Family Development
 Communication Studies
 Fashion Merchandising and Apparel Design
 Interior Design

Journalism
Justice Studies
Multimedia Communication
Nutrition and Food Sciences
Physics
Public Relations
Recreation
Speech Communication
Sport Management

Significant International Content courses are approved through the International Studies curriculum committee. They must be courses at the 2000 level or higher which either carry no prerequisite or allow permission of the instructor for enrollment. The course selected must fall outside the major program of study and

1. exhibit a contemporary focus;
2. provide students with cross-cultural perspectives; and
3. focus on regional/area studies or global/international systems.

The following list of courses has been approved to fulfill the significant international content course requirement:

	Credit Hours
Africana Studies (9 Credit Hours)	
AAST 3230 Introduction to Africa and Its Diaspora	3
AAST/INTS/HIST 3531 History of Africa since 1800	3
AAST/GEOG 4330 Geography of Africa South of the Sahara	3
Anthropology (3 Credit Hours)	
ANTH 3331 Cultural Anthropology	3
English (3 Credit Hours)	
ENGL/COML 5536 Post-Colonial Literature	3
Foreign Languages (3 Credit Hours)	
YORU/AAST 3330 Yoruba Culture and Civilization	3
Geography (18 Credit Hours)	
GEOG 3230 Economic Geography	3
GEOG 3530 Cultural Geography	3
GEOG 4232 Geography of Latin America	3
GEOG 4233 Geography of Asia	3
GEOG/AAST 4330 Geography of Africa South of the Sahara	3
GEOG 4430 Geography of Europe	3
History (30 Credit Hours)	
HIST/INTS 3338 Contemporary Europe	3
HIST 3436 The Holocaust	3
HIST/AAST/INTS 3531 History of Africa since 1800	3
HIST/INTS 3532 The Modern Middle East	3
HIST/INTS 3534 Modern Southeast Asia	3
HIST/INTS/LAST 3538 Modern Latin America	3
HIST 4335 Woman Question" in Europe	3
HIST 4530 Revelation and Revolution	3
HIST/INTS 5532 Modern China, 1600 to 1949	3
HIST/INTS 5533 Economic Rivals: U.S.-EC-Japan	3
International Studies (27 Credit Hours)	
INTS 2090/2090S Selected Topics in International Studies	1-3
INTS 2130 Introduction to International Studies	3

INTS 3130 Contemporary World Cultures	3
INTS/POLS 3239 Human Rights in International Relations	3
INTS/PRCA 3333 International Public Relations	3
INTS/AAST/HIST 3531 History of Africa since 1800	3
INTS/LAST/HIST 3538 Modern Latin America	3
INTS/POLS 4137 Politics of the Global South	3
INTS/POLS 4138 International Terrorism	3
INTS/HIST 5532 Modern China	3
Justice Studies (3 Credit Hours)	
CRJU 4531 Comparative World Justice Systems	3
Nutrition and Food Sciences (3 Credit Hours)	
NTFS 4630 Cultural Foods	3
Philosophy (3 Credit Hours)	
PHIL/RELS 3131 World Religions	3
Political Science (27 Credit Hours)	
POLS/INTS 3132 Asian Politics	3
POLS/LAST 3133 Latin American Politics	3
POLS/INTS 3236 International Relations	3
POLS/INTS 3239 Human Rights in International Relations	3
POLS 4134 International Law and Diplomacy	3
POLS/INTS 4135 International Organizations	3
POLS/INTS 4136 Politics of the Global North	3
POLS/INTS 4137 Politics of the Global South	3
POLS/INTS 4138 International Terrorism	3
Public Health (3 Credit Hours)	
PUBH 4195S International Studies Abroad in Health and Promotion	3
Public Relations (3 Credit Hours)	
PRCA/INTS 3333 International Public Relations	3
Recreation (3 Credit Hours)	
RECR 3337 International Tourism	3
Religion (3 Credit Hours)	
RELS/PHIL 3131 World Religions	3
Sports Management (3 Credit Hours)	
SMGT 3237 International Sport Management	3

European Studies Interdisciplinary Concentration

Contact

Director, Center for International Studies
Forest Drive Building
Room 1323
(912) 478-0332

Concentration Program

	Credit Hours
GEOG 4430 Geography of Europe	3
An additional 15 credit hours of upper division courses with significant European components. No more than two courses from any one discipline and all five electives must be courses in disciplines other than major field. INTS 3234/ POLS 3234 is a course that is strongly recommended	

Total Credit Hours **3**

Copies of the list of approved courses are available at the Center for International Studies.

Global Citizen Certificate

The objective of the certificate is to provide students with an opportunity to engage in courses and experiences that have an international component, better preparing them for our increasingly global world. Similar to other certificate programs offered to undergraduates at the university, the Global Citizen Certificate acts as supplemental recognition to the achievements of certain undergraduates going beyond the basic requirements of the majors.

The University already possesses the academic curriculum content and faculty expertise for successful completion by students of the certificate requirements, which are:

1. Coursework: Students complete 15 credit hours of courses with international content. Students may use up to six hours of core courses and up to a total of nine hours of courses that count toward the core, the major, and the minor. The remaining six hours must be taken from courses outside the core, major, and minor areas. Courses with international content must: All of the courses listed in Appendix I meet the criteria for international content. Some courses are part of the core requirements, making it feasible for students in all majors to take some courses that count toward the certificate.
 - a. provide more than half of the subject material as international content,
 - b. provide students with a cross-cultural perspective, and
 - c. focus on a foreign country, a region or area studies, or global/international topics.
2. Capstone project: To emphasize student achievement, the certificate requires a capstone project involving an international experience such as an internship, study abroad, or a service learning project. A final written report about the international experience must be submitted at the end of the capstone project.
3. Foreign language: Because the ability to speak a living foreign language is an integral skill of any global citizen, students seeking the certificate are required to complete through the second intermediate level (i.e., 2002) of a foreign language at the university.

All coursework used for the certificate must be completed with a final grade of "C" or better.

The Center for International Studies serves as administrative home of the certificate program and will:

1. house and distribute information about certificate requirements,
2. maintain records of student applications for the certificate,
3. update the appendix of courses that can be used for the certificate,
4. work through appropriate academic committees when changing certificate requirements, and
5. notify the Office of the Registrar upon student completion of certificate requirements so that the certificate can be entered into the student's final transcript upon graduation from the university.

For more information, contact:

Director, Center for International Studies
Forest Drive Building, Room #1313
(912) 478-0332

Courses Approved for the Global Citizen Certificate

Africana Studies

		Credit Hours
AAST 3230	Introduction to Africa and Its Diaspora	3
ANTH/LING/ POLS 3337	Language, Power, Politics	3
POLS 3431/3431S	African Politics	3
AAST/ARTH 3435	African Art History	3
AAST/ARTH 3436	African American Art History	3
AAST/HIST/INTS 3530	History of Africa to 1800	3
AAST/HIST/INTS 3531	History of Africa since 1800	3
AAST/GEOG 4330	Geography of Africa South of the Sahara	3
AAST/HIST/ WGST 4530	Revelation and Revolution	3
AAST/HIST 4532	Destruction of Slavery	3
AAST 4630/4630S	Seminar in Africana Studies	3

American Studies

		Credit Hours
HIST 4431	Invasion of the Americas: Contact, Encounter and Colonization in Early America	3
HIST 4432	Early American History	3

Anthropology

		Credit Hours
ANTH 1102/1102H/1102I	Introduction to Anthropology	3
ANTH 3131	World Archeology	3
ANTH 3331	Cultural Anthropology	3
ANTH/LING/ POLS 3337	Language, Power, Politics	3
ANTH/LING/ WRIT 5530	Sociolinguistics	3

Art

		Credit Hours
ART 1000/1000S	Art in Life	3

Art History

		Credit Hours
ARTH 2531/2531S	Art History I	3
ARTH 2532/2532S	Art History II	3
ARTH/AAST 3435	African Art History	3
ARTH/AAST 3436	African American Art History	3

ARTH 3530/3530S	Art and Architecture of the Ancient World	3
ARTH 3531/3531S	Medieval Art History	3
ARTH 3532	Italian Renaissance Art History	3
ARTH 3533	Baroque and Rococo Art History	3
ARTH 3534/3534S	19th Century Art History	3
ARTH 4530	20th Century Art History	3
ARTH 4531	Contemporary Art History	3

Communication Arts

		Credit Hours
COMM 4333/4333S	Theories of Mass Communication	3

Communication Studies

		Credit Hours
COMS/INTS 4330	Rhetoric of International Relations	3

Comparative Literature

		Credit Hours
COML 2531	Crossing Borders	3
COML 3530	Literary Translation	3
COML/ENGL 5536	Post-Colonial Literature	3

Criminal Justice

		Credit Hours
CRJU 4531/4531S	Comparative World Justice Systems	3

Economics

		Credit Hours
ECON 2105/2105H/2105S	Economics in a Global Society	3
ECON 3132/3132S	International Trade	3
ECON 3232	International Macroeconomics	3
ECON 4431	Economic Development	3

English

		Credit Hours
ENGL 2111/2111H/2111S	World Literature I	3
ENGL 2112/2112H/2112S	World Literature II	3
ENGL 3338	Irish Cultural Identities	3
ENGL 3535	Patterns in Film and Literature	3
ENGL 4135/4135S	Chaucer	3
ENGL 4337/4337S	Shakespeare	3
ENGL 5430	Contemporary Poetry	3

ENGL/COML 5536	Post-Colonial Literature	3
ENGL 5538	World Fiction since 1900	3

European Union

		Credit Hours
EURO 3234/INTS 3234S/POLS 3234S	Introduction to the European Union	3

Film

		Credit Hours
IRSH 3430	Ireland in Film	3

Finance

		Credit Hours
FINC 3133/3133S	International Finance	3

Foreign Language

		Credit Hours
FORL 3533	Introduction to Language	3

Geography

		Credit Hours
GEOG 1130/1130S	World Regional Geography	3
GEOG 3230/3230S	Economic Geography	3
GEOG 3530	Cultural Geography	3
GEOG/LAST 4232	Geography of Latin America	3
GEOG 4233	Geography of Asia	3
GEOG/AAST 4330	Geography of Africa South of the Sahara	3
GEOG 4430/4430S	Geography of Europe	3
GEOG 5230/5230S	Urban Geography	3

History

		Credit Hours
HIST 1112/1112H/1112S	World History II: Emergence of Modern Global Community	3
HIST 3135	Rise of U.S. to World Power	3
HIST/INTS 3136	U.S. as a Global Power	3
HIST 3235	History of Modern Cuba	3
HIST/INTS/RELS 3250	The Muslim World to Tamerlane	3
HIST/INTS/RELS 3251	The Muslim World Since Genghis Khan	3
HIST 3330/3330S	History of Greece	3
HIST 3331/3331S	History of Rome	3
HIST 3332	Late Antiquity	3
HIST 3333/3333S	The Middle Ages	3
HIST/RELS 3334	Christian Europe 450-1750	3
HIST 3337/3337S	Europe, 1914-1945	3
HIST/INTS 3338/3338S	Contemporary Europe	3

HIST 3431	Modern Britain: 1485 to the Present	3
HIST 3432	Germany: 1648-Present	3
HIST 3434	Modern European Thought	3
HIST 3435	The Scientific Revolution	3
HIST 3436	The Holocaust	3
HIST/AAST/INTS 3530	History of Africa to 1800	3
HIST/AAST/INTS 3531	History of Africa since 1800	3
HIST/INTS 3532	The Modern Middle East	3
HIST 3533	Modern Eastern Europe	3
HIST/INTS 3534	Modern Southeast Asia	3
HIST 3536/3536S	Russia to 1917	3
HIST/INTS/LAST 3537	Colonial Latin America	3
HIST 3538/INTS 3538S/LAST 3538/3538S	Modern Latin America	3
HIST 4230/4230S	The Renaissance	3
HIST/WGST 4335	Woman Question" in Europe	3
HIST 4432	Early American History	3
HIST/AAST/WGST 4530	Revelation and Revolution	3
HIST 4531/4531S	World War I	3
HIST/AAST 4532	Destruction of Slavery	3
HIST 5130	American Indian History	3
HIST/RELS 5332	The Reformation	3
HIST 5335	World War II	3
HIST 5336/5336S	Revolutionary France	3
HIST 5339	Britain and the World	3
HIST 5430	Modern France	3
HIST 5530/5530S	20th Century Russia	3
HIST 5531/INTS 5531S	Modern Japan	3
HIST/INTS 5532	Modern China, 1600 to 1949	3
HIST/INTS 5533	Economic Rivals: U.S.-EC-Japan	3
INTS 3338/HIST 3338S	Contemporary Europe	3
INTS/AAST/HIST 3530	History of Africa to 1800	3
INTS/AAST/HIST 3531	History of Africa since 1800	3
INTS/HIST 3532	The Modern Middle East	3
INTS/HIST 3534	Modern Southeast Asia	3
INTS/HIST/LAST 3537	Colonial Latin America	3
INTS 3538/LAST 3538S	Modern Latin America	3
INTS/POLS 3730	Introduction to United Nations	3
INTS/POLS 4135	International Organizations	3
INTS 4136/POLS 4136S	Comparative Politics of Industrialized Nations	3
INTS/POLS 4137	Politics of the Global South	3
INTS/POLS 4138	International Terrorism	3
INTS/POLS 4238	International Conflict	3
INTS/POLS 4730	Model United Nations	3
INTS/POLS 4731	Model United Nations II	3
INTS 5531/HIST 5531S	Modern Japan	3
INTS/HIST 5532	Modern China	3
INTS/HIST 5533	Economic Rivals: U.S.-EC-Japan	3
INTS 5633	Seminar in International Politics	3
INTS/POLS 5634	Seminar in Comparative Politics	3
INTS/POLS 5635	Seminar in International Organizations	3

International Studies

		Credit Hours
INTS 2130/2130S	Introduction to International Studies	3
INTS 3090/3090S	Selected Topics in International Studies	1-3
INTS 3130/3130S	Contemporary World Cultures	3
INTS/POLS 3132/3132S	Asian Politics	3
INTS 3136/HIST 3136S	U.S. as a Global Power	3
INTS 3230/3230S	Global Issues	3
INTS 3234/EURO 3234S/POLS 3234S	Introduction to the European Union	3
INTS 3236/POLS 3236S	International Relations	3
INTS/POLS 3239	Human Rights in International Relations	3
INTS/HIST/RELS 3250	The Muslim World to Tamerlane	3
INTS/HIST/RELS 3251	The Muslim World Since Genghis Khan	3

Irish Studies

		Credit Hours
ENGL 3338	Irish Cultural Identities	3
IRSH/POLS 3432	Celtic Identity and Conflict	3
IRSH/THEA 3333	Irish Theatre	3
IRSH 3430	Ireland in Film	3

Latin American Studies

		Credit Hours
LAST 3133/POLS 3133S	Latin American Politics	3
LAST/HIST/INTS 3537	Colonial Latin America	3
LAST/HIST 3538/INTS 3538S	Modern Latin America	3
LAST 4890	Seminar in Latin American Studies	3

Legal Studies

		Credit Hours
LSTD 3130/3130S	International Trade Regulation	3

Linguistics

		Credit Hours
LING 3031	Phonology	3
LING 3032	Syntax	3
LING/ANTH/POLS 3337	Language, Power, Politics	3
LING/POLS 3338	Language and Law	3

LING/FORL 3533	Introduction to Language	3
LING 3630	Language and Linguistic Theory	3
LING 4333	Semantics	3
LING/ANTH/ WRIT 5530	Sociolinguistics	3

Marketing

		Credit Hours
MKTG 4136/4136S	International Marketing	3

Music

		Credit Hours
MUSC 3131	History of Music I	3
MUSC 3132	History of Music II	3

Philosophy

		Credit Hours
PHIL/RELS 3131	World Religions	3
PHIL/POLS 3230	Modern Political Thought	3
PHIL 3431/3431S	Ancient Philosophy	3
PHIL 3432	Modern Philosophy	3
PHIL 3434	Contemporary Philosophy	3
PHIL/RELS 4632	Philosophy of Religion	3

Political Science

		Credit Hours
POLS 2101/2101S	Introduction to Political Science	3
POLS 3132/INTS 3132S	Asian Politics	3
POLS 3133/LAST 3133S	Latin American Politics	3
POLS 3134	Middle East Politics	3
POLS/PHIL 3230	Modern Political Thought	3
POLS 3234/ EURO 3234S/ INTS 3234S	Introduction to the European Union	3
POLS 3236/INTS 3236S	International Relations	3
POLS 3239/INTS 3239S	Human Rights in International Relations	3
POLS 3335	Ethnicity and Nationalism	3
POLS 3336	Classical Political Thought	3
POLS/ANTH/ LING 3337	Language, Power, Politics	3
POLS/LING 3338	Language and Law	3
POLS 3431	African Politics	3
POLS/IRSH 3432	Celtic Identity and Conflict	3
POLS/INTS 3730	Introduction to United Nations	3
POLS 4031/4031S	Selected Topics in Political Science	3
POLS 4133	International Political Economy	3
POLS 4134/4134/4134S	International Law and Diplomacy	3
POLS/INTS 4135	International Organizations	3
POLS/INTS 4136/ POLS 4136S	Politics of the Global North	3

POLS/INTS 4137	Politics of the Global South	3
POLS/INTS 4138	International Terrorism	3
POLS/INTS 4238	International Conflict	3
POLS/INTS 4730	Model United Nations	3
POLS/INTS 4731	Model United Nations II	3
POLS 5633/INTS 5633S	Seminar in International Politics	3
POLS/INTS 5634	Seminar in Comparative Politics	3
POLS/INTS 5635	Seminar in International Organizations	3

Public Relations

		Credit Hours
PRCA/INTS 3333	International Public Relations	3

Recreation

		Credit Hours
RECR 3337	International Tourism	3

Religious Studies

		Credit Hours
PHIL 3434	Contemporary Philosophy	3
RELS/PHIL 3131	World Religions	3
RELS 3134	Introduction to Asian Religions	3
RELS 3135	Introduction to Hinduism	3
RELS 3136	Introduction to Global Islam	3
RELS/HIST/INTS 3250	The Muslim World to Tamerlane	3
RELS/HIST/INTS 3251	The Muslim World Since Genghis Khan	3
RELS/HIST 3334	Christian Europe 450-1750	3
RELS/PHIL 4632	Philosophy of Religion	3
RELS/HIST 5332	The Reformation	3

Sociology

		Credit Hours
SOCI 1101/1101H/1101!	Introduction to Sociology	3
SOCI 3336	Social Problems	3
SOCI 4335	Self and Society	3
SOCI/WGST 4338	Sport, Culture, and Society	3
SOCI 4431	Inequality	3

Sport Management

		Credit Hours
SMGT 3237	International Sport Management	3

Theatre

		Credit Hours
THEA 1100/1100S	Theatre Appreciation	3
THEA/IRSH 3333	Irish Theatre	3
THEA 4330	Theatre History I: Origins to 1700	3
THEA 4331/4331S	Theatre History II: 1700 to Contemporary	3

Women's and Gender Studies

		Credit Hours
WGST/HIST 4335	Woman Question" in Europe	3
WGST/SOCI 4338	Sport, Culture, and Society	3

Writing

		Credit Hours
WRIT 4570	Writing, Rhetoric, and Culture	3
WRIT/ANTH/ LING 5530	Sociolinguistics	3

International Studies B.A.

International Studies, B.A., 126 Credit Hours

See Core Curriculum for required courses (p. 73) in Area A1 through Area E.

The Center for International Studies at Georgia Southern University offers a course of study designed to provide students with a basic knowledge of world affairs and how they affect U.S. foreign and domestic policies. One of the main objectives of this program is to prepare students to cope realistically and intelligently with the changing world, a world which is becoming increasingly interdependent and in which vast new multiplications of cultural forces are emerging.

		Credit Hours
Area A1 - Communication Skills (6 Credit Hours)		
Select 6 credit hours from Area A1 of the Core Curriculum		6
Area A2 - Quantitative Skills (3 Credit Hours)		
Select 3 credit hours from Area A2 of the Core Curriculum		3
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum		4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum		6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credits from Area D of the Core Curriculum ¹		11
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum ²		12
Area F - Courses Appropriate to Major (18 Credit Hours)		
Foreign Language 2002 - Intermediate II		0-6
INTS 2130	Introduction to International Studies	3
INTS 2630	Research Methods in International Studies	3
STAT 2231	Introduction to Statistics I	3
Select 3-6 credit hours from the following:		3-6
ANTH 1102	Introduction to Anthropology	
ECON 2106	Business Economics	
GEOG 1130	World Regional Geography	
PHIL 2010	Introduction to Philosophy	
PSYC 1101	Introduction to Psychology	
RELS 2130	Introduction to Religion	
SOCI 1101	Introduction to Sociology	

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (36 Credit Hours)

Note: Students must earn a minimum grade of "C" in all INTS designated courses and all courses within the major requirements.

International Studies Core:

INTS 3130	Contemporary World Cultures	3
INTS 3230	Global Issues	3
INTS 4630	Seminar in International Studies	3

Twenty-seven (27) credit hours within the major will be used to fulfill the emphasis requirements. Students will choose five courses from one of the three topical emphases, and one course each from two of the four regional emphases, and one course from the theory emphasis. ³

Topical Emphasis - Select one area		15
1. Development, Aid, and Sustainability		
2. Security, Conflict, and Diplomacy		
3. Societies, Cultures, and Traditions		
Regional Emphasis - Select two areas		9
1. Asia		
2. Africa		
3. Latin America		
4. Europe		
Theory Emphasis		3
Minor (15 Credit Hours)		
Select 15 credit hours of foreign language		15
Electives or Internship (9 Credit Hours)		
Select 9 credit hours of Electives or Internship		9

Total Credit Hours **126**

¹ Area D - Recommended: Global Sustainability and Innovation (TCGT 1530) (3)

² Area E - Recommended: World Regional Geography (GEOG 1130) (3)

³ The list for Topical, Regional, and Theory Emphases are available in the Center for International Studies in the Forest Drive Building.

Note: Students must earn a minimum grade of "C" in all INTS designated courses and all courses within the major requirements

ADVISEMENT:

Ann Price, Center for International Studies
P.O. Box 8106
(912) 478-1365

International Studies Interdisciplinary Minor

Contact

Center for International Studies
Forest Drive Building
Room 1313

(912) 478-0332

Prerequisite(s)

	Credit Hours
INTS 2130/2130S Introduction to International Studies	3
Total Credit Hours	3

Minor Program

		Credit Hours
INTS 3130	Contemporary World Cultures	3
INTS 3230	Global Issues	3

An additional 9 credit hours of courses with significant International Studies dimension in at least two disciplines other than the major must be completed for a total of 15 credit hours. Courses may be selected from the list of courses below approved for the minor. Other courses must be approved by the director of the International Studies Interdisciplinary Minor.

On a regular basis, students pursuing the minor in International Studies should consult with the Director of the International Studies Interdisciplinary minor.

ANTH 3131	World Archeology	
ANTH 3331	Cultural Anthropology	
ANTH 3332	European Cultures	
ANTH 3333	North American Indians	
ANTH 3431	Linguistic Anthropology	
ANTH 4331	Anthropology and Human Problems	
ANTH 4332	Gender and Anthropology	
ANTH 4334	Ethnographic Methods	
ANTH 4433	Anthropology of Language and Gender	
ARAB 3030	Selected Topics in Arabic	
ARTH 3534	19th Century Art History	
ARTH 4531/4531S	Contemporary Art History	
ARTH 4830	Art History Research	
CHIN 3030/3030S	Selected Topics in Chinese	
ECON 3132	International Trade	
ECON 3232	International Macroeconomics	
ECON 4431	Economic Development	
FINC 3133	International Finance	
FREN 3195/3195S	French in France	
FREN 3330/3330S	French Civilization	
FREN/AAST 3336	Francophone Cultures of Africa and the Caribbean	
FREN 3395/3395S	French Regional Culture	
FREN 3530/3530S	French for Professions	
FREN 4030/4030S	Selected Topics in French	
FREN 4330 & 4330S	Contemporary France and Contemporary France	
FREN 4790	Internship in French	
GEOG 3130	Conservation	
GEOG 3230	Economic Geography	
GEOG 3330	Weather and Climate	

GEOG 3530	Cultural Geography
GEOG/LAST 4232	Geography of Latin America
GEOG 4233	Geography of Asia
GEOG 4330	Geography of Africa South of the Sahara
GEOG 4430	Geography of Europe
GRMN 3030/3030S	Selected Topics in German
GRMN 3330	German Language and Society
GRMN 4030/4030S	Selected Topics in German
GRMN 4330	German Culture and Civilization
GRMN 4790/4790S	Internship in Germany
HIST/INTS 3136	U.S. as a Global Power
HIST 3337	Europe, 1914-1945
HIST/INTS 3338	Contemporary Europe
HIST 3431	Modern Britain: 1485 to the Present
HIST 3432	Germany: 1648-Present
HIST/INTS/AAST 3531	History of Africa since 1800
HIST/INTS 3532	The Modern Middle East
HIST 3536	Russia to 1917
HIST/INTS/LAST 3537	Colonial Latin America
HIST/INTS/LAST 3538	Modern Latin America
HIST/INTS 4133	U.S. Diplomacy: The Cold War
HIST/WGST 4335	Woman Question" in Europe
HIST 4531	World War I
HIST 5230	Advertising and Culture
HIST 5335	World War II
HIST 5339	Britain and the World
HIST 5530	20th Century Russia
HIST/INTS 5531	Modern Japan
HIST/INTS 5532	Modern China, 1600 to 1949
HIST/INTS 5533	Economic Rivals: U.S.-EC-Japan
IRSH 3090	Selected Topics in Irish Studies
IRSH/THEA 3333	Irish Theatre
IRSH 3430	Ireland in Film
IRSH/POLS 3432	Celtic Identity and Conflict
JAPN 3130/3130S	Japanese Conversation
JAPN 3131/3131S	Reading Japanese
JAPN 3230/3230S	Modern Japanese Literature in Translation
JAPN 3330/3330S	Japanese Cultural Patterns

JAPN 3331/3331S	Japanese Culture for Americans	POLS/INTS 5633	Seminar in International Politics
JAPN 3530/3530S	Business Japanese	POLS/INTS 5634	Seminar in Comparative Politics
JAPN 4790/4790S	Internship in Japan	PRCA/INTS 3333	International Public Relations
MGNT 4230	International Management	RELS 3134	Introduction to Asian Religions
MKTG 4136	International Marketing	RELS 3135	Introduction to Hinduism
MUSC 3131	History of Music I	RELS 3136	Introduction to Global Islam
MUSC 3132	History of Music II	RELS/HIST/ INTS 3251	The Muslim World Since Genghis Khan
NTFS 3631	Sustainable Foods	SPAN 3335	Conversation, Composition, Culture: South America
NTFS 4630	Cultural Foods	SPAN 3336	Conversation, Composition, Culture: Mexico and Central America
PHIL/RELS 3131	World Religions	SPAN 3337	Conversation, Composition, Culture: The Caribbean
PHIL 3334	Environmental Ethics	SPAN 3338	Conversation, Composition, Culture: Spain
PHIL 3433	Nineteenth Century European Philosophy	SPAN 3339	Conversation, Composition, Culture: Latino USA
PHIL 3434	Contemporary Philosophy	SPAN 3530/3530S	Introduction to Spanish for the Professions
POLS/INTS 3132/POLS 3132S/INTS 3132S	Asian Politics	SPAN 4231/4231S/ LAST 4231	Spanish American Life, Literature, and Thought
POLS/LAST 3133/POLS 3133S/LAST 3133S	Latin American Politics	SPAN 4233	Peninsular Life, Literature, and Thought
POLS 3134	Middle East Politics	SPAN 4530/4530S	Advanced Spanish for the Professions
POLS/INTS 3234/POLS 3234S/INTS 3234S	Introduction to the European Union	SPAN 3195S	Studies Abroad: Language
POLS 3235/3235S	Gender and Politics	SPAN 3295S	Studies Abroad: Literature
POLS/INTS 3236/POLS 3236S/INTS 3236S	International Relations	SPAN 3395S	Studies Abroad: Culture
POLS/INTS 3239/3239S	Human Rights in International Relations	SPAN 4195S	Studies Abroad: Advanced Language
POLS 3335	Ethnicity and Nationalism	SPAN 4295S	Studies Abroad: Advanced Literature
POLS/ANTH/ LING 3337	Language, Power, Politics	SPAN 4395S	Studies Abroad: Advanced Civilization
POLS 3431/3431S	African Politics		
POLS/INTS 3730	Introduction to United Nations		
POLS 4031	Selected Topics in Political Science		
POLS 4133	International Political Economy		
POLS 4134	International Law and Diplomacy		
POLS/INTS 4135	International Organizations		
POLS 4136 &INTS 4136 &4136S &INTS 4136S	Politics of the Global North and Comparative Politics of Industrialized Nations		
POLS/INTS 4137	Politics of the Global South and Comparative Politics of Industrialized Nations		
POLS/INTS 4138	International Terrorism		
POLS 4139	Contemporary Political Thought		
		Total Credit Hours	15

Courses approved for the International Studies Interdisciplinary Minor can be obtained in the Center for International Studies. On a regular basis, students pursuing the Minor in International Studies should consult with the Director of the International Studies Interdisciplinary Minor.

International Studies Interdisciplinary Concentration

Contact

Director, Center for International Studies
Forest Drive Building
Room 1323
(912) 478-0332

Concentration Program

		Credit Hours
INTS 3130	Contemporary World Cultures	3
INTS 3230	Global Issues	3

An additional 12 credit hours of upper division courses with significant international dimension from three different disciplines must be completed for a total of 18 credit hours. The three additional 12 elective credit hours must be selected from the list of courses approved by the International Studies Curriculum Committee

Total Credit Hours 18

Copies of the list of approved courses are available at the Center for International Studies.

International Trade B.S.

International Trade, B.S., 126 Credit Hours

See Core Curriculum for required courses (p. 73) in Area A1 through Area E.

The B.S. in International Trade is a professional degree designed to provide an interdisciplinary business background for careers outside the United States or in international businesses and agencies within the U. S. The degree includes an internship designed to immerse the student in professional practice within the culture and language which has been studied for the required foreign language minor.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credits from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
BUSA 1105 Introduction to Business	3
CISM 2530 Advanced Business Applications	3
ECON 2106 Business Economics	3
Foreign Language 2002 - Intermediate II	0-6
INTS 2130 Introduction to International Studies	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements Beyond Area A1-F (6 Credit Hours)	
ACCT 2101 Financial Accounting	3
ACCT 2102 Managerial Accounting	3
Major Requirements	
Business Core (18 Credit Hours)	
Select 18 credit hours from the following:	18

ECON 3132 & ECON 3232	International Trade and International Macroeconomics	
FINC 3131 & FINC 3133	Principles of Corporate Finance and International Finance	
GEOG 3230 & GEOG 3440	Economic Geography and Introduction to GIS and Cartography	
LOGT 3231 & LOGT 4232	Principles of Transportation and International Logistics	
MKTG 3131 & MKTG 4136	Principles of Marketing and International Marketing	
International Studies Core (9 Credit Hours)		
INTS 3130	Contemporary World Cultures	3
INTS 3230	Global Issues	3
POLS 4133	International Political Economy	3
Minor (Must be in a Foreign Language) (15 Credit Hours)		
Appropriate 3530 Foreign Language course		3
Four additional Foreign Language courses at the 3000 and 4000 level		12
Internship (9 Credit Hours)		
Internship abroad with an international business using a foreign language on the job. Intensive study of language and culture in a total immersion environment		9
Free Elective (3 Credit Hours)		
Select 3 credit hours of free electives approved by an advisor		3
Total Credit Hours		126

ADVISEMENT:

Ann Price, Center for International Studies
P.O. Box 8106
(912) 478-1365

Note: Students must earn a minimum grade of "C" in all INTS designated courses and all courses within the major requirements.

International Trade Second Discipline Concentration

Contact

Director, Center for International Studies
Forest Drive Building
Room 1323
(912) 478-0332

	Credit Hours
Area F (3 Credit Hours)	
ACCT 2030 Survey of Accounting	3
Required Courses (15 Credit Hours)	
INTS 2130 Introduction to International Studies	3
INTS 3130 Contemporary World Cultures	3
INTS 3230 Global Issues	3
LOGT 3231 Principles of Transportation	3
Select one of the following:	3
GEOG 3230 Economic Geography (recommended unless GEOG 1130 taken in Area E)	
LOGT 4232 International Logistics	

LSTD 3130	International Trade Regulation	
MKTG 4136	International Marketing (MKTG 3131 prerequisite)	
POLS 3236	International Relations	
Total Credit Hours		15

Latin American Studies Interdisciplinary Concentration

Contact

Director, Center for International Studies
Forest Drive Building
Room 1313
(912) 478-0332

Concentration Program

		Credit Hours
INTS 3130	Contemporary World Cultures	3
LAST 4890	Seminar in Latin American Studies	3
Select 12 credit hours from the following: ¹		12
LAST 3090	Selected Topics in Latin America	
LAST/POLS 3133	Latin American Politics	
LAST/HIST/INTS 3537	Colonial Latin America	
LAST/HIST/INTS 3538	Modern Latin America	
LAST/SPAN 4231	Spanish American Life, Literature, and Thought	
LAST/GEOG 4232	Geography of Latin America	
LAST 5232	Studies in Hispanic Societies	
SPAN 3335	Conversation, Composition, Culture: South America	
SPAN 3336	Conversation, Composition, Culture: Mexico and Central America	
SPAN 3337	Conversation, Composition, Culture: The Caribbean	
Total Credit Hours		18

¹ An additional 12 credit hours of courses with significant Latin American dimension in at least two disciplines other than the major for a total of 18 credit hours. Courses may be selected from the list of courses below approved for the concentration. Other courses must be approved by the director of the Latin American Studies Interdisciplinary Concentration, Dr. Nancy W. Shumaker.

Latin American Studies Interdisciplinary Minor

Contact

Center for International Studies
Forest Drive Building
Room 1313
(912) 478-0332

Prerequisite(s):

		Credit Hours
INTS 2130/2130H/2130I	Introduction to International Studies	3

Minor Program

		Credit Hours
INTS 3130	Contemporary World Cultures	3
INTS 3230	Global Issues	3
Select three of the following: ^{1,2}		9
ANTH 3131	World Archeology	
ANTH 3331	Cultural Anthropology	
ANTH 3332	European Cultures	
ANTH 3333	North American Indians	
ANTH 3431	Linguistic Anthropology	
ANTH 4331	Anthropology and Human Problems	
ANTH 4332	Gender and Anthropology	
ANTH 4334	Ethnographic Methods	
ANTH 4433	Anthropology of Language and Gender	
ARTH 3534	19th Century Art History	
ARTH 4531/4531S	Contemporary Art History	
ARTH 4830	Art History Research	
CHIN 3030/3030S	Selected Topics in Chinese	
ECON 3132	International Trade	
ECON 3232	International Macroeconomics	
ECON 4431	Economic Development	
FINC 3133	International Finance	
FREN 3195/3195S	French in France	
FREN 3330/3330S	French Civilization	
FREN/AAST 3336	Francophone Cultures of Africa and the Caribbean	
FREN 3395/3395S	French Regional Culture	
FREN 3530/3530S	French for Professions	
FREN 4030/4030S	Selected Topics in French	
FREN 4330/4330S	Contemporary France	
FREN 4790	Internship in French	
GEOG 3130	Conservation	
GEOG 3230	Economic Geography	
GEOG 3330	Weather and Climate	
GEOG 3530	Cultural Geography	
GEOG/LAST 4232	Geography of Latin America	
GEOG 4233	Geography of Asia	
GEOG 4330	Geography of Africa South of the Sahara	
GEOG 4430	Geography of Europe	
GRMN 3030/3030S	Selected Topics in German	
GRMN 3330	German Language and Society	

GRMN 4030/4030S	Selected Topics in German	NTFS 4630	Cultural Foods
GRMN 4330	German Culture and Civilization	PHIL/RELS 3131	World Religions
GRMN 4790/4790S	Internship in Germany	PHIL 3334	Environmental Ethics
HIST/INTS 3136	U.S. as a Global Power	PHIL 3433	Nineteenth Century European Philosophy
HIST 3337	Europe, 1914-1945	PHIL 3434	Contemporary Philosophy
HIST/INTS 3338	Contemporary Europe	POLS 3132/3132S/ INTS 3132/3132S	Asian Politics
HIST 3431	Modern Britain: 1485 to the Present	POLS 3133	Latin American Politics
HIST 3432	Germany: 1648-Present	POLS 3134	Middle East Politics
HIST/INTS/ AAST 3531	History of Africa since 1800	POLS 3234/3234S/ INTS 3234/3234S	Introduction to the European Union
HIST/INTS 3532	The Modern Middle East	POLS 3235/3235S	Gender and Politics
HIST 3536	Russia to 1917	POLS 3236/3236S/ INTS 3236/3236S	International Relations
HIST/INTS/ LAST 3537	Colonial Latin America	POLS/INTS 3239/3239S	Human Rights in International Relations
HIST/INTS/ LAST 3538	Modern Latin America	POLS 3335	Ethnicity and Nationalism
HIST/INTS 4133	U.S. Diplomacy: The Cold War	POLS/ANTH/ LING 3337	Language, Power, Politics
HIST/WGST 4335	Woman Question" in Europe	POLS 3431/3431S	African Politics
HIST 4531	World War I	POLS/INTS 3730	Introduction to United Nations
HIST 5230	Advertising and Culture	POLS 4031	Selected Topics in Political Science
HIST 5335	World War II	POLS 4133	International Political Economy
HIST 5339	Britain and the World	POLS 4134	International Law and Diplomacy
HIST 5530	20th Century Russia	POLS 4135	International Organizations
HIST/INTS 5531	Modern Japan	POLS 4136/4136S/ INTS 4136/4136S	Politics of the Global North
HIST/INTS 5532	Modern China, 1600 to 1949	POLS/INTS 4137	Politics of the Global South
HIST/INTS 5533	Economic Rivals: U.S.-EC-Japan	POLS 4138	International Terrorism
IRSH 3090	Selected Topics in Irish Studies	POLS 4139	Contemporary Political Thought
IRSH/THEA 3333	Irish Theatre	POLS/INTS 5633	Seminar in International Politics
IRSH 3430	Ireland in Film	POLS/INTS 5634	Seminar in Comparative Politics
IRSH/POLS 3432	Celtic Identity and Conflict	PRCA/INTS 3333	International Public Relations
JAPN 3130/3130S	Japanese Conversation	RELS 3134	Introduction to Asian Religions
JAPN 3131/3131S	Reading Japanese	RELS 3135	Introduction to Hinduism
JAPN 3230/3230S	Modern Japanese Literature in Translation	RELS 3136	Introduction to Global Islam
JAPN 3330/3331S	Japanese Cultural Patterns	RELS/HIST/ INTS 3251	The Muslim World Since Genghis Khan
JAPN 3331	Japanese Culture for Americans	SPAN 3335	Conversation, Composition, Culture: South America
JAPN 3530/3530S	Business Japanese	SPAN 3336	Conversation, Composition, Culture: Mexico and Central America
JAPN 4790/4790S	Internship in Japan	SPAN 3337	Conversation, Composition, Culture: The Caribbean
MGNT 4230	International Management		
MKTG 4136	International Marketing		
MUSC 3131	History of Music I		
MUSC 3132	History of Music II		
NTFS 3631	Sustainable Foods		

SPAN 3338	Conversation, Composition, Culture: Spain
SPAN 3339	Conversation, Composition, Culture: Latino USA
SPAN 3530/3530S	Introduction to Spanish for the Professions
SPAN 3195S	Studies Abroad: Language
SPAN 3295S	Studies Abroad: Literature
SPAN 3395S	Studies Abroad: Culture
SPAN 4195S	Studies Abroad: Advanced Language
SPAN 4395S	Studies Abroad: Advanced Civilization
SPAN 4231/4231S/ LAST 4231	Spanish American Life, Literature, and Thought
SPAN 4233	Peninsular Life, Literature, and Thought
SPAN 4530/4530S	Advanced Spanish for the Professions
Total Credit Hours	15

- 1 An additional 9 credit hours of courses with significant Latin American dimension in at least two disciplines other than the major must be completed for a total of 15 credit hours. Courses may be selected from the list of courses below approved for the minor. Other courses must be approved by the director of the Latin American Studies Interdisciplinary Minor.
- 2 On a regular basis, students pursuing the minor in International Studies should consult with the Director of the International Studies Interdisciplinary minor.

Additional Programs and Services

European Union Studies Certificate Program

The European Union Studies Certificate is offered by the University System of Georgia's European Council. The certificate consists of a six-course program of study which includes a mandatory Introduction to the European Union course, four discipline-specific courses from three different disciplines and, a capstone seminar for a total of 18 credit hours. Students are also expected to complete an approved study abroad program in Europe. The program is open to all academic majors and can be completed with a combination of courses offered at the home institution and online. The official certificate is conferred by the student's home institution and is indicated on the transcript. Special distinctions may also be awarded for foreign language proficiency or completion of an honors thesis. For more information, contact:

Danielle Smith, Interim Associate Director
Center for International Studies
Forest Drive Building, Room #1313
(912) 478-0332

Study Abroad and Exchange Programs

Studying abroad provides students with a trans-cultural experience that has many major benefits: discovering the culture and institutions of other lands, facilitating the development of relevant career skills, making important connections with overseas professionals, and enhancing language skills. In addition, studying abroad contributes to personal maturity, a sense of independence, self-knowledge, and self-confidence. Semester, and year-long exchange, summer, language immersion, and alternative break programs are available.

Georgia Southern University offers short-term study abroad programs in a variety of disciplines. Each program is approved by the Office of the Provost and coordinated by the Center for International Studies. Although program offerings differ year to year, Georgia Southern has

sponsored programs to: Albania, Botswana, Costa Rica (Nursing and Spanish), Dominican Republic (Spanish), Ecuador (Geography), France (French), Germany and Poland (History), Ghana (Public Health), England (Education), Italy (Nutrition and Health Science), Spain (Spanish), and Switzerland (Biology). Music International Studies provides opportunities for students in the Department of Music to perform, study, and travel abroad.

The *European Council* of the University System of Georgia sponsors summer study abroad programs to London, England; Paris, France; Berlin, Germany; Waterford, Ireland; St. Petersburg, Russia; and Madrid, Spain. A program in Montepulciano, Italy, is co-sponsored by Georgia Southern University, Kennesaw State University, Georgia College and State University, and Valdosta State University. These unique programs feature University System of Georgia faculty members who teach a variety of core and upper division courses at the overseas sites. Georgia Southern students may apply for these programs on campus through the Center for International Studies.

The University System programs are open to all undergraduate students with a minimum cumulative GPA of 2.0; however, certain programs may require a higher GPA and completion of prerequisites. Graduate students are required to have a 3.0 GPA. Participating students register for classes and pay tuition and fees to Georgia Southern. Eligible undergraduates may currently use HOPE to pay for the cost of tuition and fees associated with studying abroad. Students are encouraged to contact the Office of Financial Aid for information about how to apply their available financial aid resources toward the cost of study abroad.

Exchange programs for Georgia Southern students are currently available at the Fachhochschule Ingolstadt and the University of Kassel in Germany; Roskilde University in Denmark; University of South Bohemia in the Czech Republic; Keimyung University and Chung-Ang University in South Korea; Nagoya University of Foreign Studies in Japan; Central China (Huazhong) Normal University and United International College in China; Wilfrid Laurier University, Mount Allison University, and the University of New Brunswick-Saint John in Canada; the Universidad Veracruzana and Tecnológico de Monterrey-Campus Ciudad de Mexico in Mexico; and Sheffield-Hallam University in the United Kingdom. These programs allow students to pursue semester or year-long study of both major courses and classes in the language and culture of the host country.

Georgia Southern is also a member of ISEP, a worldwide network that facilitates the exchange of students between 300 member institutions in the United States and 49 other countries. Students may pursue academic year or semester programs of study through the ISEP network. More information can be viewed at <http://www.isep.org/>.

The College of Education offers an International Study Opportunity in a partner school in the United Kingdom for eligible student teachers. This opportunity allows student teachers to gain a broader understanding of the interrelatedness of individuals, small groups, and society from a global perspective. Contact the Director of Field Experiences and Partnerships, Pat Parsons, pparsons@georgiasouthern.edu, (912) 478-0499 for more information.

For information on Georgia Southern University study abroad programs, and on numerous programs offered worldwide, contact:

Center for International Studies
Forest Drive Bldg, Room #1313
Phone: (912) 478-0332

International Student Programs and Services

There are nearly 350 international students and scholars in F-1 (student) and J-1 (exchange visitor) visa status from about 80 countries at the university. The Center for International Studies helps international students acclimate to their new environment at Georgia Southern, provides support services, processes visa-related documents, educates students and

scholars on the visa laws to help them maintain their status with U.S. Homeland Security, and maintains the university's compliance with the visa laws.

In addition, the Center plans and coordinates programs which foster international understanding and cultural exchange, both on campus and within the Statesboro community. Some of the programs offered are: weekly International Conversation Hours, the International Club, International Week, the International Festival, the Global Ambassadors Program, the Cross-Cultural Friendship Program, and the International Extended Families Program. Day and overnight trips as well as socials and cookouts are offered throughout the year. Services provided include: orientation (including academic advisement and registration), English proficiency testing/placement, assistance with health insurance coverage, and visa and cultural advisement.

For more information about programs and services, please contact:

Ms. Tanya Grubbs
Immigration Specialist, International Students and Scholars
Forest Drive Building, Room #1322
Phone: (912) 478-7435
E-mail: tgrubbs@georgiasouthern.edu

English Language Program

The English Language Program's mission is to prepare non-native speakers for the academic environment by offering English as a second language course in the essential skill areas of oral communication and fluency, academic writing, intensive reading, English grammar, and U.S. culture. Please direct inquiries to:

Director, English Language Program
Forest Drive Building, Room #1327
Phone: (912) 478-0693

Course Offerings

		Credit Hours
ESL 0091A	Reading and Writing II	4
ESL 0091B	Listening and Speaking II	4
ESL 0091C	Grammar II	4
ESL 0091D	Computer II	3
ESL 0091E	U. S. Culture II	3
ESL 0092A	Reading and Writing III	4
ESL 0092B	Listening and Speaking III	4
ESL 0092C	Grammar III	4
ESL 0092D	Computer III	3
ESL 0092E	U. S. Culture III	3

The University Honors Program

The University Honors Program (UHP) provides a small college atmosphere in the context of a large comprehensive university. The program is designed to foster the development of a critical sense of inquiry, a spirit of creativity, a global perspective, and an ethic of civic responsibility. A hallmark of the program is the emphasis on bringing ideas to life through undergraduate research, experiential learning, and service-learning opportunities.

Admission to the University Honors Program is competitive and for incoming freshmen requires a minimum SAT score of 1200, or ACT score of 27, and a high school academic grade point average of 3.5. For current Georgia Southern students, admission is competitive—a minimum cumulative GPA of at least 3.3 is required. For more information, call the

University Honors Program at (912) 478-7926 or visit the website at <http://academics.georgiasouthern.edu/honors/>.

Honors students have the opportunity to enroll in honors sections of courses which are smaller and more dynamic than the typical class. During the junior and senior years, students develop an honors thesis or capstone project to further deepen their knowledge of their major field. Honors courses involve innovative approaches and pedagogies and are open to talented non-honors students where space is available.

The tables below show the requirements expected of honors students, depending on when they enter the Program:

Freshman Admission

Year	Requirements
First	FYE 1220H - Honors First-Year Seminar (fall)
	FYE 1410H - Global Citizens Seminar (spring)
	Two Honors Core Courses
Second	One Experiential Learning Project completed in FYE 1220H/FYE 1410H classes
	Two Honors Core Courses
	One Experiential Learning Project
Third	College/Departmental Honors Requirements ¹
	Submit Honors Thesis/Capstone Proposal
	One Experiential Learning Project
Fourth	College/Departmental Honors Requirements ¹
	Complete Honors Thesis/Capstone Project
	Present Honors Thesis/Capstone at Honors Research Symposium
	One Experiential Learning Project

Sophomore Admission

Year	Requirements
Second	Two Honors Core Courses
	One Experiential Learning Project
Third	College/Departmental Honors Requirements ¹
	Submit Honors Thesis/Capstone Proposal
	One Experiential Learning Project
Fourth	College/Departmental Honors Requirements ¹
	Complete Honors Thesis/Capstone Project
	Present Honors Thesis/Capstone at Honors Research Symposium
	One Experiential Learning Project

Junior Admission

Year	Requirements
Third	College/Departmental Honors Requirements ¹

	Submit Honors Thesis/Capstone Proposal
Fourth	One Experiential Learning Project College/Departmental Honors Requirements ¹
	Complete Honors Thesis/Capstone Project
	Present Honors Thesis/Capstone at Honors Research Symposium
	One Experiential Learning Project

Senior Admission

Year	Requirements
Fourth	College/Departmental Honors Requirements ¹
	Complete Honors Thesis/Capstone Project
	Present Honors Thesis/Capstone at Honors Research Symposium
	One Experiential Learning Project

¹ College/Departmental Honors requirements vary by major.

Georgia Southern University Online Degrees

Center for Online Learning

Georgia Southern University offers the following online degree programs:

Graduate Programs

- Doctor of Nursing Practice
- Education Specialist in Early Childhood Education
- Education Specialist in Instructional Technology with concentrations in School Library Media Specialist or Instructional Technology
- Education Specialist in Middle Grades Education
- Education Specialist in Reading Education
- Education Specialist in Secondary Education
- Education Specialist in Special Education
- Master of Education with a major in Curriculum & Instruction - Accomplished Teaching
- Master of Education with a major in Educational Leadership
- Master of Education with a major in Higher Education Administration (online if online courses are selected)
- Master of Education with a major in Instructional Technology with concentrations in School Library Media Specialist, Instructional Technology or Dual Certification in School Library Media and Instructional Technology
- Master of Education in Early Childhood Education
- Master of Education in Middle Grades Education
- Master of Education in Reading Education
- Master of Education in Secondary Education
- Master of Education in Special Education
- Master of Arts with a major in Teaching, concentration in Special Education
- Master in Accounting (WebMAcc)
- Master of Science in Computer Science
- Master of Science with a major in Applied Economics

- Master of Science with a major in Kinesiology, Coaching Education emphasis
- Master of Science with a major in Kinesiology, Physical Education emphasis (some onsite coursework required)
- Master of Science with a major in Sport Management
- Master of Science in Nursing (some onsite coursework required)
- WebMBA-Master of Business Administration

Graduate Endorsement Programs

- K-5 Mathematics Endorsement
- Online Teaching and Learning Endorsement
- Reading Endorsement: Classroom Teacher of Reading Program

Graduate Certificate Programs

- Applied Economics
- Coaching
- Community Health Clinical Nurse Specialist
- Engineering and Manufacturing Management
- Enterprise Resources Planning
- Occupational Safety and Environmental Compliance
- Post MSN Family Nurse Practitioner
- Public and Nonprofit Management
- Teaching English to Speakers of Other Languages (TESOL)/Applied Linguistics

Undergraduate Programs

- Bachelor of General Studies
- WebBSIT-Bachelor of Science in Information Technology
- RN-BSN - Bachelor of Nursing

Online Course Support Services

Center for Online Learning (COL)

The COL provides technical and pedagogical training and support for faculty who develop online courses. For more information, call (912) 478-0049 or visit the COL website at: <http://academics.georgiasouthern.edu/col/>.

Center for Academic Technology Support (CATS)

CATS provides technical problem support for online courses for students and faculty. For more information call (912) 478-0882 or visit the CATS website at: <http://academics.georgiasouthern.edu/cats/>.

Online Programs at Georgia Southern University

For more information about online program at Georgia Southern University, please see the following website: <http://academics.georgiasouthern.edu/online/>.

First Year Seminar

First-Year Seminar (FYE 1220)

Students who enter the University with fewer than 30 credit hours enroll in First-Year Seminar (FYE 1220) in their first semester at Georgia Southern. First-Year Seminar (FYE 1220) is a thematic seminar designed to promote

information literacy skills and support students' cognitive and affective integration into the University community. For more information, contact:

First-Year Experience
1001 Williams Center
(912) 478-3939
<http://academics.georgiasouthern.edu/fye/>

Learning Skills Course

Methods of Learning (GSU 1120)

Designed to promote academic success, Methods of Learning emphasizes opportunities for students to learn and apply strategies that lead to success in their academic courses, including interpreting, organizing, and synthesizing academic information in texts and lectures; identifying and assessing individual learning styles; setting and achieving academic goals; managing time effectively; taking comprehensive notes; and preparing for tests. This course is required of all freshmen with a total institution GPA of 1.99 or below unless they have already passed the course with a grade of "C" or "S." Credit hours for this course cannot be used toward graduation.

Learning Support

According to Board of Regents policies, "All non-traditional freshmen must be evaluated for Learning Support status in English (reading/writing) and mathematics using USG placement criteria. As an alternative, an institution may allow non-traditional freshmen who have within the past seven years posted SAT scores of at least 500 in both Critical Reading and Mathematics or ACT scores of at least 21 on both English and Mathematics to exempt the COMPASS placement test."

The purpose of the Learning Support Program is to provide students who have been admitted with inadequate skills in reading, composition, and/or mathematics the support needed to be successful in entry-level college courses. If results of the placement tests reflect a need for assistance in developing academic skills of those who qualify for admission, students will be enrolled in a portion or in the entire Learning Support curriculum.

Learning Support courses carry institutional credit but not credit toward a degree. If the diagnostic tests so indicate, a student may be allowed to enroll in one or more college-level courses for degree credit concurrently with Learning Support courses. The student's first obligation, however, is to satisfy Learning Support requirements.

Students' progress will be assessed periodically, and they may move out of Learning Support courses at the end of any semester, provided satisfactory levels of proficiency have been reached. Students who have not completed requirements for Foundations-level Learning Support courses in two attempts will be placed on dismissal. Any student placed on dismissal for failure to exit Learning Support will be excluded for one year. Alternately, a Learning Support student who is placed on dismissal for failure to exit Learning Support may apply for readmission as a transfer student after satisfying Learning Support requirements and completing 30 hours of college-level work with a minimum GPA of 2.0. A Learning Support student who enrolls at another institution before completing Learning Support requirements at Georgia Southern may apply for readmission as a transfer student after satisfying Learning Support requirements and completing 30 hours of college-level work with a minimum GPA of 2.0.

Students may carry a maximum of 15 credit hours (including any Learning Support courses).

Learning Support students will be assigned an advisor in the Academic Success Center and must see this advisor for drop/add and registration (even if the student has declared a major).

Students are not allowed to drop any required Learning Support classes. The only way a student can withdraw from a required Learning Support course is to withdraw from school.

Students who apply for or receive financial aid and who are enrolled as Learning Support students will receive the same consideration and awards as any other student.

Students who are not required to enroll in a Learning Support course may enroll on an audit basis only. They will be expected to participate in the course and take the tests, but they will not be subject to the Learning Support exit requirements.

See Course Descriptions (p. 257) for:

		Credit Hours
ENGL 0999	Support for English Composition	1
MATH 0989	Foundations for College Algebra	4
MATH 0998	Support for Mathematical Modeling	1
MATH 0999	Support for College Algebra	1

Minors

A minor must contain 15 to 18 credit hours of coursework with at least nine (9) credit hours of upper-division coursework. Courses taken to satisfy Core Areas A through E may not be counted as coursework in the minor. Core Area F courses may be counted as coursework in the minor.

Students in all baccalaureate programs who wish to do so may add a minor to their major programs of study from the following list of Minor Programs. The Bachelor of Arts (B.A.) degree programs require a minor. The courses to make up the minor should be planned with the major advisor, unless otherwise noted.

Minors and second minors may be declared as early as the freshman year but should always be declared as soon as possible so that students have adequate time to plan the completion of their minors. Minors may be declared by requesting a minor via the online Change of Major/Minor form. This online form is located on all students' My.GeorgiaSouthern (<http://My.GeorgiaSouthern.edu>) account homepage. A student changing his/her major may also declare or change a minor by completing this online Change of Major/Minor form.

Within the fifteen credit hours of course work presented for the required minor in the B.A. programs or the optional minor in any bachelor's degree program, the student must have a minimum total institution GPA of 2.0, with no more than three credit hours of "D" work. A minimum of nine of the fifteen credit hours must be earned at Georgia Southern University. Credit hours earned from an approved Georgia Southern University study abroad program may be used to satisfy the residential credit hours required for the minor.

A maximum of three credit hours may be taken under the S/U grading system within any minor.

Interdisciplinary Minors

Minors are available in 15 interdisciplinary areas, each of which is coordinated by a committee of faculty from the disciplines involved. A student who minors in one of these areas typically will major in one of the disciplines whose courses are listed in the minor. Otherwise, the student must secure the approval of the committee. Approval also is required for the group of courses selected to comprise the minor.

Guidelines for Interdisciplinary Minors

The interdisciplinary minor offers an opportunity to select courses focused on a given area of study from more than one discipline. As with single

discipline minors, the interdisciplinary minor is distinct from the major program of study.

The following guidelines apply to all interdisciplinary minors:

1. A minor must contain 15 credit hours of coursework with at least 12 upper division credit hours. Typically, courses taken for the minor shall be in at least two disciplines other than the major. A minimum of nine of the 15 credit hours must be earned at Georgia Southern University.
2. While courses taken to satisfy Core Areas A1 through E may not be used to satisfy coursework in the minor, courses listed in Area F may be counted as coursework in the minor.
3. A student has the option of taking one authorized lower division course and one upper division course crosslisted with the student's major to fulfill minor requirements.
4. The chairperson of the minor program must approve the courses selected for the minor.
5. Students should declare the minor by the beginning of their junior year and advise the chairperson of the minor program of that decision.

Interdisciplinary Concentrations

Students in baccalaureate programs may add an area of interdisciplinary concentration to their program of study. Such concentrations offer students the opportunity to elect courses focused on a given area of study from more than one discipline. As with minor programs, the interdisciplinary concentration is distinct from the major program of study. The interdisciplinary concentration permits students to add a significant segment of coursework focused on a particular area of study to their major degree program.

The concentration consists of 18 credit hours of coursework, 15 credit hours of which must be at the upper division level. At least 12 credit hours of the total 18 credit hours must be taken at Georgia Southern University. A minimum grade of "C" is required for all courses used to complete the interdisciplinary concentration.

The courses taken to make up the concentration should be planned with the major advisor and the director of the concentration program. Students should declare the concentration by the beginning of their junior year.

Interdisciplinary concentration programs are administered through the Office of the Vice President for Academic Affairs.

Guidelines for Interdisciplinary Concentrations

The interdisciplinary concentration offers students the opportunity to elect courses focused on a given area of study from more than one discipline. As with minor programs, the interdisciplinary concentration is distinct from the major program of study.

The following guidelines apply to all interdisciplinary concentrations:

1. A concentration must contain 18 credit hours of coursework with at least 15 upper division credit hours. Typically, courses taken for the concentration shall be in at least two disciplines other than those used in additional concentrations or the major program of study.
2. While courses taken to satisfy Core Areas A1 through E may not be used to satisfy coursework in the area of concentration, courses listed in Area F may be counted as coursework in the area of concentration.
3. A student has the option of taking one authorized lower division course and one upper division course crosslisted with the student's major to fulfill concentration requirements.
4. The chairperson of the concentration program must approve the courses selected for the concentration.

5. Students should declare the concentration by the beginning of their junior year and advise the chairperson of the concentration program of that decision.

Second Discipline Concentrations

Students in the Bachelor of Science program in Information Technology (IT) are required to choose a focused application area to blend their IT knowledge with an expanded knowledge of the application area. Students should select a second discipline concentration or a minor no later than the beginning of their junior year. Each second discipline concentration consists of 3 credit hours in Area F and 15 credit hours specified by the academic unit offering the second discipline concentration. Alternatively, with the approval of the chair of the Department of Information Technology, a minor plus additional coursework required to total at least 18 credit hours, will satisfy the second discipline concentration requirement. Students are encouraged to consult the Allen E. Paulson College of Engineering and Information Technology Office of Student Services or the Department of Information Technology to verify second discipline or minor information.

As additional proposals are approved, they will be posted on the College of Engineering and Information Technology web-site.

With the approval of the Office of the Vice President for Academic Affairs, students in other baccalaureate programs may use second discipline concentrations as interdisciplinary concentrations.

College of Business Administration

Dean: Allen C. Amason
 Business Administration Room 2254
 P.O. Box 8002
 (912) 478-2622
 E-mail address: aamason@georgiasouthern.edu

Associate Dean of Faculty and Curriculum: William H. Wells
 Business Administration Room 2253C
 P.O. Box 8002
 (912) 478-5107
 E-mail address: wwells@georgiasouthern.edu

Assistant Dean of Student and External Relations: Cindy H. Randall
 Business Administration Room 2253D
 P.O. Box 8002
 (912) 478-5107
 E-mail address: crandall@georgiasouthern.edu

The College of Business Administration at Georgia Southern University is part of a comprehensive, regional university. At the undergraduate level, we provide the Bachelor of Business Administration degree with majors in accounting, economics, finance, information systems, logistics and intermodal transportation, management, and marketing. At the graduate level, we provide the Master of Business Administration, online MBA, Master of Accounting, WebMACC, and online Master of Science in Applied Economics degrees to prepare students for accounting and management positions of significant responsibility. Our degree programs are accredited by the AACSB, an affiliation that underscores the College's dedication to continuous improvement and commitment to excellence. Our accounting programs hold separate AACSB accreditation.

Mission

The College of Business Administration at Georgia Southern University cultivates an invigorating academic environment that supports lifelong learning, individual growth, and a global mindset. The college distinguishes itself from colleges of business at other large, nationally recognized research universities by emphasizing close interactions and engagement among faculty, students, and the business community. We produce and share useful research. Our teaching reflects our concerns for academic excellence and student success. Our faculty, staff, students, and alumni use their diverse strengths to advance our core values: excellence, integrity, accountability, respect, and an appreciation for sustainability.

Shared Values

Our mission is supported by a set of shared values that form the foundation for developing critical mission activities:

- **We value our students.** Our first responsibility is to our students. Faculty members encourage excellence in academic performance by exhibiting professionalism in teaching, mentoring, and advising and by being readily accessible for consultations outside the classroom. We believe a student's career achievement is a result of this faculty/student interaction. Although the majority of our students are Georgia residents, we welcome and encourage the diversity that occurs as we gain increasing numbers of students from beyond our state and national borders.
- **We value our region.** As a College within a state-supported regional university, we recognize and value opportunities to assist in the development of our regional economy. Our desire to serve extends to providing regional businesses with professional assistance and

learning opportunities in areas that cover an extensive range of domestic and international business practices.

- **We value our local community.** We recognize our involvement in the local community as a central part of our responsibilities. The support of and involvement in our community make it a better place in which to live and provides a better environment for our students.
- **We value our faculty and staff.** The College supports a collegial atmosphere for faculty and staff in which academic freedom exists and life-long learning is encouraged. While a balance of activities in teaching, research, and service is promoted, faculty members devote a significant amount of time and energy to teaching and other interactions with students. Scholarly efforts are predominantly focused on applied research, which supports the regional service dimension of our mission.
- **We value our alumni.** They provide leadership in business, the community, and the world. We strive to keep them involved in our mission, and we recognize them for their long-term, career achievements.

Core Commitments

The faculty and staff of the College of Business Administration are committed to creating an atmosphere that will enable us to be:

- a diverse, academically qualified faculty who makes students its first priority;
- providers of instruction that combines business theory and practice for effective student understanding of the dynamic business environment;
- providers of expertise to serve the local community and region;
- a dedicated, qualified staff who supports programs and activities;
- actively engaged with the Business Advisory Council; and
- actively engaged with our Alumni.

Student Outcomes

The faculty and staff of the College of Business Administration are committed to providing academic programs that will enable our graduates to:

- be proficient in communication;
- demonstrate an understanding of ethics and its business implications;
- apply analytical methods for problem solving and decision making;
- demonstrate an understanding of the global economy and its business implications;
- be proficient in information technology; and
- demonstrate an understanding of diversity and its business implications.

Experiential Learning Opportunities

Internships

Internship opportunities are available through the Office of Experiential Learning and Corporate Relations in the College of Business Administration. Internships are supervised work-study programs, designed to allow upper division students an opportunity to receive practical experience in their chosen field of study. Prerequisites include junior standing, a review of academic qualifications, and approval of the director. Students should contact Director Jim Davis, for further information.

Location: Room 2252, College of Business Administration
 Telephone: (912) 478-5820.

Cooperative Education

Co-ops allow students the opportunity to gain work experience related to their academic major while earning a salary. To participate in a

cooperative education opportunity, a student must have completed at least 30 credit hours of instruction, have a grade point average of at least 2.5, and be willing to participate in a minimum of two alternating co-op work semesters. Work responsibilities and salaries are determined by the employer. Co-op students register for the designated Cooperative Education section. This is a non-credit course.

B.B.A. Specific Requirements

- Students with a declared major other than BBA, “Pre-Business,” or “Undeclared” may enroll in upper division courses offered by the College of Business Administration subject to completion of any course prerequisites or permission of the department chair responsible for the course.
- Students classified as “Pre-Business,” or “Undeclared” may not enroll in any upper division courses offered by COBA.
- In order to change from “Pre-Business” to “BBA” status, a student must have
 - a. an institutional GPA of at least 2.5,
 - b. completed at least 45 credit hours, and
 - c. earned a “C” or better in Financial Accounting (ACCT 2101).
- BBA majors enrolling in upper division business courses for the first time must have completed or be concurrently enrolled in Managerial Accounting (ACCT 2102) and Business Economics (ECON 2106).
- BBA degrees require 24 credit hours of course work under the heading “Specific Requirements Beyond Areas A1-F” and another 24 under the heading “Major Requirements” for a total of 48 credit hours of courses related to the major. In addition to University graduation requirements, at least half of this 48 credit hour total (i.e., 24 credit hours) must be taken at Georgia Southern for a BBA student to qualify for graduation.
- To qualify for graduation, BBA students must
 - a. make a minimum grade of “C” in all courses used to satisfy their “Major Requirements” and
 - b. make a minimum grade of “C” in Managerial Accounting (ACCT 2102) and Business Economics (ECON 2106), as well as in the business core courses:

		Credit Hours
BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3
BUSA 4131	Strategic Management	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3
	Select one of the following:	3
	CISM 3131 Management Information Systems	
	CISM 4135 Project Management and Development	
	ACCT 4130 Accounting Information Systems	
Total Credit Hours		24

Advisement

Undergraduate

Academic advisement for all pre-business and most B.B.A. business majors is managed by the College of Business Administration Student Services Center.

Location: Room 1100, College of Business Administration
Telephone: (912) 478-0085

Academic advisement for students in the B.B.A. in Accounting program occurs in the School of Accountancy Advisement Office in the College of Business Administration.

Location: Room 2200C, College of Business Administration
Telephone: (912) 478-1184

Graduate

Academic advisement for Graduate Programs occurs in the Office of Graduate Programs in the College of Business Administration.

Location: Room 3300, College of Business Administration
Telephone: (912) 478-5767

Academic advisement for the Enterprise Resources Planning (ERP) Certificate program occurs through the Department of Information.

Location: Room 3126, College of Engineering and Information Technology
Telephone: (912) 478-4747

Assistant Dean's Office

Business Minor

Department: College of Business Administration, Assistant Dean's Office

Contact

Cindy H. Randall
Business Administration Building
Room 2253
(912) 478-5107

Minor Program

	Credit Hours
ACCT 2030 Survey of Accounting	3
ECON 2105 Economics in a Global Society	3
Upper Division courses for which the prerequisites have been met	12
Total Credit Hours	18

Department of Finance and Economics

Economics

This major is designed to give the student in business administration a broad knowledge of economic tools to provide a foundation for careers in business, economics, finance, or law.

Economics Major Without an Area of Emphasis

An economics major exposes the student to the different areas of economics. Because of the breadth of this degree, it allows maximum flexibility and prepares graduates to enter a wide variety of occupations or attend professional or graduate school in business, economics, finance, government, or law. Economics majors also have the option of receiving either the Bachelor of Arts or the Bachelor of Business Administration degree.

Emphasis in International Business

This curriculum prepares the student to access and respond to opportunities and problems of international trade, international finance, multinational markets, and multinational organizations.

Finance

Study in this area develops familiarity with the institutions and instruments within our financial system and an understanding of the problems of financing business activity. The finance major includes the study of the techniques and tools for solving financial problems. The curriculum is flexible, exposing students to general areas of applied financial management.

Finance and Economics Majors

- Economics B.A. (p. 96)
- Economics B.A. (International Economics Emphasis) (p. 96)
- Economics B.B.A. (p. 97)
- Economics B.B.A. (International Business Emphasis) (p. 97)
- Finance B.B.A. (p. 98)

Finance and Economics Minors

- Economics (p. 99)
- Finance (p. 99)

Economics B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
STAT 2231 Introduction to Statistics I	3
or BUSA 3131 Business Statistics	
Select 8 additional credit hours from Area D of the Core Curriculum	8
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
CISM 2530 Advanced Business Applications	3
ECON 2106 Business Economics	3
Foreign Language 2001 Intermediate I	3
Foreign Language 2002 Intermediate II	3
MATH 1232 Survey of Calculus	3
STAT 2232 Introduction to Statistics II	3
or BUSA 3132 Applied Statistics and Optimization	

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (24 Credit Hours)

ECON 3131	Intermediate Macroeconomics	3
ECON 3132	International Trade	3
ECON 3231	Intermediate Microeconomics	3
ECON XXXX	Upper Division Courses	15

Minor (15 Credit Hours)

Select 15 credit hours of Minor courses	15
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Foreign Language

Select 0-6 credit hours of Foreign Language courses (if needed to complete Intermediate II)	0-6
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Electives (21 Credit Hours)

Select 15-21 credit hours of Electives (depending on credit hours needed for foreign language)	15-21
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Total Credit Hours	126
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Advisement

School of Economic Development, Room 3310, College of Business Administration Bldg., (912) 478-5216.

Economics B.A. (International Economics Emphasis)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
STAT 2231 Introduction to Statistics I	3
or BUSA 3131 Business Statistics	
Select 8 additional credit hours from Area D of the Core Curriculum	8
Area E - Social Sciences	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
CISM 2530 Advanced Business Applications	3
ECON 2106 Business Economics	3
Foreign Language 2001	3
Foreign Language 2002	3
MATH 1232 Survey of Calculus	3
STAT 2232 Introduction to Statistics II	3

orBUS 3132	Applied Statistics and Optimization	
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Major Requirements (24 Credit Hours)		
ECON 3131	Intermediate Macroeconomics	3
ECON 3132	International Trade	3
ECON 3231	Intermediate Microeconomics	3
ECON 3232	International Macroeconomics	3
ECON 4431	Economic Development	3
Any Upper Division ECON class or any upper division COBA international course		9
Minor (15 Credit Hours)		
Select 15 credit hours of Minor courses		15
Electives (12 Credit Hours)		
Select 12 credit hours of Electives (depending on credit hours needed for foreign language)		12
Foreign Language (6 Credit Hours)		
Select 0-6 credit hours of Foreign Language courses (if needed to complete Intermediate II)		0-6
Electives (15 Credit Hours)		
Select 15-21 credit hours of Electives (depending on credit hours needed for foreign language)		15-21
Total Credit Hours		126

Advisement

School of Economic Development, Room 3310, College of Business Administration Bldg., (912) 478-5216.

Economics B.B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours	
Area A1 - Communication Skills (6 Credit Hours)		
Select 6 credit hours from Area A1 of the Core Curriculum	6	
Area A2 - Quantitative Skills (3 Credit Hours)		
Select 3 credit hours from Area A2 of the Core Curriculum	3	
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum	4	
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum ¹	6	
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum ²	11	
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum ³	12	
Area F - Courses Appropriate to Major (18 Credit Hours)		
ACCT 2101	Financial Accounting	3

ACCT 2102	Managerial Accounting	3
BUSA 1105	Introduction to Business	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
LSTD 2106	Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements Beyond Areas A-F (24 Credit Hours)		
BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3
BUSA 4131	Strategic Management	3
CISM 3131	Management Information Systems	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3
Major Requirements (24 Credit Hours)		
ECON 3131	Intermediate Macroeconomics	3
ECON 3132	International Trade	3
ECON 3231	Intermediate Microeconomics	3
ECON XXXX	Upper Division Courses	15
Electives (12 Credit Hours)		
Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor)		12
Total Credit Hours		126

¹ Area C - Recommended: Principles of Public Speaking (COMM 1110) (3)

² Area D - Required: Survey of Calculus (MATH 1232) (3)

³ Area E - Recommended: Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCI 1101) (3)

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

Advisement

College of Business Administration, Student Services Center, Business Administration Bldg., (912) 478-0085.

Economics B.B.A. (International Business Emphasis)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	

Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum ¹	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum ²	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum ³	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ACCT 2101 Financial Accounting	3
ACCT 2102 Managerial Accounting	3
BUSA 1105 Introduction to Business	3
CISM 2530 Advanced Business Applications	3
ECON 2106 Business Economics	3
LSTD 2106 Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements Beyond Areas A-F (24 Credit Hours)	
BUSA 3131 Business Statistics	3
BUSA 3132 Applied Statistics and Optimization	3
BUSA 4131 Strategic Management	3
CISM 3131 Management Information Systems	3
FINC 3131 Principles of Corporate Finance	3
MGNT 3130 Principles of Management	3
MGNT 3430 Operations Management	3
MKTG 3131 Principles of Marketing	3
Major Requirements (24 Credit Hours)	
ECON 3131 Intermediate Macroeconomics	3
ECON 3132 International Trade	3
ECON 3231 Intermediate Microeconomics	3
ECON 3232 International Macroeconomics	3
ECON 4431 Economic Development	3
Any upper division ECON class or any upper division COBA international course	9
Electives (12 Credit Hours)	
Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor)	12
Total Credit Hours	126

¹ Area C - Recommended: Principles of Public Speaking (COMM 1110) (3)

² Area D - Required: Survey of Calculus (MATH 1232) (3)

³ Area E - Recommended: Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCL 1101) (3)

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

Advisement

College of Business Administration, Student Services Center, Business Administration Bldg. (912) 478-0085.

Finance B.B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum ¹	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum ²	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum ³	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ACCT 2101 Financial Accounting	3
ACCT 2102 Managerial Accounting	3
BUSA 1105 Introduction to Business	3
CISM 2530 Advanced Business Applications	3
ECON 2106 Business Economics	3
LSTD 2106 Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements Beyond Areas A-F (24 Credit Hours)	
BUSA 3131 Business Statistics	3
BUSA 3132 Applied Statistics and Optimization	3
BUSA 4131 Strategic Management	3
CISM 3131 Management Information Systems	3
FINC 3131 Principles of Corporate Finance	3
MGNT 3130 Principles of Management	3
MGNT 3430 Operations Management	3
MKTG 3131 Principles of Marketing	3
Major Requirements (24 Credit Hours)	
FINC 3132 Intermediate Financial Management	3
FINC 3231 Investments	3
FINC 3331 Financial Institutions	3
FINC 3531 Principles of Risk and Insurance	3
FINC 4231 Personal Financial Planning	3
Select three of the following:	9

FINC 3130	Financial Tools and Methods
FINC 3133	International Finance
FINC 3134	Enterprise Risk Management
FINC 4232	Security Analysis
FINC 4233	Estate Planning
FINC 4234	Personal Insurance Planning
FINC 4331	Bank Management
FINC 4332	Bank Management II
FINC 4333	Commercial Bank Lending
FINC 4431	Principles of Real Estate
FINC 4433	Real Estate Appraisal
FINC 4435	Real Estate Finance and Investments
FINC 4532	Life, Health and Retirement Planning
FINC 4534	Commercial Risk Management and Insurance
FINC 4535	Insurance Industry Operations
FINC 4790	Internship in Finance
FINC 4830	Special Problems in Finance

Electives (12 Credit Hours)

Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor) 12

Total Credit Hours 126

¹ Area C - Recommended: Principles of Public Speaking (COMM 1110) (3)

² Area D - Required: Survey of Calculus (MATH 1232) (3)

³ Area E - Recommended: Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCL 1101) (3)

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

Advisement

College of Business Administration Advisement Center, Business Administration Bldg. (912) 478-0085

Economics Minor

Department: School of Finance and Economics

Contact

Dr. Rand Ressler
Business Administration Building
Room 3310
(912) 478-5216

The minor in economics is an excellent choice for students who want a basic understanding of economics to complement their major field of study.

Minor Program

		Credit Hours
ECON 2106	Business Economics	3
ECON 3131	Intermediate Macroeconomics	3
ECON 3231	Intermediate Microeconomics	3

ECON - Two upper division economics courses	6
Total Credit Hours	15

Finance Minor

Contact

Dr. John Hatem
Business Administration Building
Room 3310
(912) 478-5216

Minor Program

The Finance minor is open to students who want a basic understanding of finance to complement their major fields of study.

		Credit Hours
ACCT 2030	Survey of Accounting	3
or ACCT 2101	Financial Accounting	
FINC 3131	Principles of Corporate Finance	3
FINC - Three electives for which the prerequisites are met		9
Total Credit Hours		15

Survey of Accounting (ACCT 2030) or Financial Accounting (ACCT 2101) should be satisfied before any upper division course is taken. Course selections should be approved by a faculty advisor.

Department of Information Systems

Information Systems

The Information Systems (IS) degree program combines knowledge of leading edge information technologies with an understanding of the ever changing needs of today's dynamic business environment. As such, it attracts students who are interested in working with technology to find solutions to business problems. While a fundamental understanding of information technology is a cornerstone of the degree, an equally important and distinguishing element of the IS degree is a solid foundation in basic business functions. Students may major in IS without an area of emphasis or may select one of the following seven emphasis areas.

Accounting Information Systems

The AIS emphasis provides a solid understanding of general business principles with depth in technology and accounting. Students pursuing this emphasis will be prepared to help companies design information systems that are safeguarded against many different kinds of system errors and fraudulent activities. Students could also pursue careers in information assurance, serving as "auditors" who ensure that proper design and controls that protect against fraud are in place. Potential employers include "Big 4" accounting firms, business and IT consulting companies, as well as any organization (large or small) that relies upon an automated accounting system.

Business Intelligence

The BI emphasis focuses on the use of information technology to identify trends and hidden patterns in an organization's data and external environment, and then predicts how these trends and patterns will impact the organization's activities and ultimate success. Students pursuing this emphasis will be prepared to assist companies in the identification and development of competitive strategies, as well as in the management of corporate knowledge. They will also receive an SAP America Certificate and be eligible for SAP's TERP-10 Certification Program. Potential

employers include a wide array of medium and large businesses across all types of industries.

Electronic Commerce

The EC emphasis provides exposure to the technical skills and business knowledge needed to develop web-based business applications. Students pursuing this emphasis will be prepared to develop and enhance E-Commerce Web sites based on solid, underlying business models. Potential employers include all organizations wanting to establish or improve the ability to conduct business via the Internet.

Enterprise Resource Planning Systems

The ERP emphasis focuses on large, complex information systems that integrate business processes across an entire organization. Because the number of IS professionals with these skills is low, this is a high-demand area. Students pursuing this emphasis will be prepared to assist companies in the selection, implementation, and support of such systems. Potential employers include consulting companies, ERP developers, as well as thousands of companies that adopt or wish to adopt ERP systems.

Enterprise Security

The ES emphasis focuses on the development and administration of security policies as they pertain to the management of information systems. Students pursuing this emphasis will be prepared to assist companies in the design, implementation, and management of secure information systems and networks. In today's security-conscious world, virtually every organization is a potential employer of students who pursue this option.

Logistics Information Systems

The LIS emphasis focuses on the use of information technology as a critical enabler of the supply chain networks that businesses use to acquire, produce, and deliver goods and services all over the world. Students pursuing this emphasis will be prepared to help companies design information systems that integrate business processes across the supply chain. Potential employers include large retail distribution centers (such as Wal-Mart), logistics firms (such as UPS and Fed-Ex), railroads, and a host of other trucking and shipping companies around the world.

Information Systems Majors

- Information Systems B.B.A. (p. 100)
- Information Systems B.B.A. (Accounting Information Systems Emphasis) (p. 101)
- Information Systems B.B.A. (Business Intelligence Emphasis) (p. 101)
- Information Systems B.B.A. (Electronic Commerce Emphasis) (p. 102)
- Information Systems B.B.A. (Enterprise Resource Planning Systems Emphasis) (p. 103)
- Information Systems B.B.A. (Enterprise Security Emphasis) (p. 103)
- Information Systems B.B.A. (Logistics Information Systems Emphasis) (p. 104)

Information Systems Minors

- Enterprise Resources Planning Systems (p. 105)
- Information Systems (p. 106)

Information Systems Interdisciplinary Minors

- Business Analytics (p. 105)

Information Systems B.B.A.

Degree Requirements: 126 Credit Hours

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum ¹	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum ²	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum ³	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ACCT 2101 Financial Accounting	3
ACCT 2102 Managerial Accounting	3
BUSA 1105 Introduction to Business	3
CISM 2530 Advanced Business Applications	3
ECON 2106 Business Economics	3
LSTD 2106 Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements Beyond Area A-F (27 Credit Hours)	
BUSA 3131 Business Statistics	3
BUSA 3132 Applied Statistics and Optimization	3
BUSA 4131 Strategic Management	3
CISM 2030 Introduction to Business Programming	3
orCSCI 1236 Introduction to Java Programming	
CISM 3131 Management Information Systems	3
FINC 3131 Principles of Corporate Finance	3
MGNT 3130 Principles of Management	3
MGNT 3430 Operations Management	3
MKTG 3131 Principles of Marketing	3
Major Requirements (24 Credit Hours)	
CISM 2230 Advanced Java	3
CISM 3134 Data Communications	3
CISM 3135 Systems Analysis and Design	3
CISM 3333 ERP Systems Using SAP	3
CISM 4134 Database Management	3
CISM 4135 Project Management and Development	3
Two upper division CISM courses (6) OR two courses from a declared Minor Program offered by the College of Business Administration or other closely related discipline as approved by the Information Systems Department Chair	6

Electives (9 Credit Hours)

Select 9 credit hours of Electives (should be chosen in consultation with the student's advisor) 9

Total Credit Hours 126

- ¹ Area C - Recommended Principles of Public Speaking (COMM 1110) (3)
- ² Area D - Required Survey of Calculus (MATH 1232) (3)
- ³ Area E - Recommended Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCI 1101) (3)

Advisement

College of Business Administration Student Services Center, Business Administration Bldg, (912) 478-0085.

Information Systems B.B.A. (Accounting Information Systems Emphasis)

Degree Requirements: 126 Credit Hours

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum ¹	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum ²	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum ³	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ACCT 2101 Financial Accounting	3
ACCT 2102 Managerial Accounting	3
BUSA 1105 Introduction to Business	3
CISM 2530 Advanced Business Applications	3
ECON 2106 Business Economics	3
LSTD 2106 Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements Beyond Area A1-F (24 Credit Hours)	
BUSA 3131 Business Statistics	3
BUSA 3132 Applied Statistics and Optimization	3
BUSA 4131 Strategic Management	3
CISM 2030 Introduction to Business Programming	3

orCSCI 1236	Introduction to Java Programming	
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3

Major Requirements (30 Credit Hours)

ACCT 3131	Intermediate Accounting I	3
ACCT 3132	Intermediate Accounting II	3
ACCT 4130	Accounting Information Systems	3
ACCT 4430	Auditing	3
CISM 2230	Advanced Java	3
CISM 3134	Data Communications	3
CISM 3135	Systems Analysis and Design	3
CISM 3333	ERP Systems Using SAP	3
CISM 4134	Database Management	3
CISM 4135	Project Management and Development	3

Electives (6 Credit Hours)

Select 6 credit hours of Electives (should be chosen in consultation with the student's advisor) 6

Total Credit Hours 126

- ¹ Area C - Recommended Principles of Public Speaking (COMM 1110) (3)
- ² Area D - Required Survey of Calculus (MATH 1232) (3)
- ³ Area E - Recommended Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCI 1101) (3)

Advisement

College of Business Administration Student Services Center, Business Administration Bldg, (912) 478-0085.

Information Systems B.B.A. (Business Intelligence Emphasis)

Degree Requirements: 126 Credit Hours

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum ¹	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum ²	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum ³	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ACCT 2101 Financial Accounting	3
ACCT 2102 Managerial Accounting	3

BUSA 1105	Introduction to Business	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
LSTD 2106	Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements Beyond Area A1-F (27 Credit Hours)		
BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3
BUSA 4131	Strategic Management	3
CISM 2030	Introduction to Business Programming	3
orCSCI 1236	Introduction to Java Programming	3
CISM 3131	Management Information Systems	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3
Major Requirements (27 Credit Hours)		
CISM 2230	Advanced Java	3
CISM 3134	Data Communications	3
CISM 3135	Systems Analysis and Design	3
CISM 3333	ERP Systems Using SAP	3
CISM 4134	Database Management	3
CISM 4135	Project Management and Development	3
CISM 4237	Business Intelligence	3
CISM 4239	Advanced Business Analytics with SAP HANA	3
CISM 4437	Data Mining for Business Analytics	3
Electives (6 Credit Hours)		
Select 6 credit hours of Electives (should be chosen in consultation with the student's advisor)		6
Total Credit Hours		126

¹ Area C - Recommended Principles of Public Speaking (COMM 1110) (3)
² Area D - Survey of Calculus (MATH 1232) (3)
³ Area E - Recommended Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOC 1101) (3)

Advisement

College of Business Administration Student Services Center, Business Administration Bldg, (912) 478-0085.

Information Systems B.B.A. (Electronic Commerce Emphasis)

Degree Requirements: 126 Credit Hours

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3

Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum	4	
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum ¹	6	
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum ²	11	
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum ³	12	
Area F - Courses Appropriate to Major (18 Credit Hours)		
ACCT 2101	Financial Accounting	3
ACCT 2102	Managerial Accounting	3
BUSA 1105	Introduction to Business	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
LSTD 2106	Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements Beyond Area A1-F (27 Credit Hours)		
BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3
BUSA 4131	Strategic Management	3
CISM 2030	Introduction to Business Programming	3
orCSCI 1236	Introduction to Java Programming	3
CISM 3131	Management Information Systems	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3
Major Requirements (27 Credit Hours)		
CISM 2230	Advanced Java	3
CISM 3134	Data Communications	3
CISM 3135	Systems Analysis and Design	3
CISM 3333	ERP Systems Using SAP	3
CISM 4134	Database Management	3
CISM 4135	Project Management and Development	3
IT 1430	Web Page Development	3
Select two of the following:		6
CISM 4332	Electronic Business	
CISM 4435	ERP Web Portal Customization and Collaboration using SAP NetWeaver	
CISM 4790	Internship in Information Systems	
IT 3130	Web Application Design and Development I	
IT 3131	Web Application Design and Development II	
IT 3132	Web Software	
IT 5235	Advanced Web Interfaces	

MKTG 3136	Introduction to E-Commerce	
Electives (6 Credit Hours)		
Select 6 credit hours of Electives (should be chosen in consultation with the student's advisor)		6
Total Credit Hours		126
1 <i>Area C - Recommended Principles of Public Speaking (COMM 1110) (3)</i>		
2 <i>Area D - Required Survey of Calculus (MATH 1232) (3)</i>		
3 <i>Area E - Recommended Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOC1 1101) (3)</i>		

Advisement

College of Business Administration Student Services Center, Business Administration Bldg, (912) 478-0085.

Information Systems B.B.A. (Enterprise Resource Planning Systems Emphasis)

Degree Requirements: 126 Credit Hours

	Credit Hours	
Area A1 - Communication Skills (6 Credit Hours)		
Select 6 credit hours from Area A1 of the Core Curriculum	6	
Area A2 - Quantitative Skills (3 Credit Hours)		
Select 3 credit hours from Area A2 of the Core Curriculum	3	
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum	4	
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum ¹	6	
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum ²	11	
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum ³	12	
Area F - Courses Appropriate to Major (18 Credit Hours)		
ACCT 2101	Financial Accounting	3
ACCT 2102	Managerial Accounting	3
BUSA 1105	Introduction to Business	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
LSTD 2106	Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements Beyond Area A1-F (27 Credit Hours)		
BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3

BUSA 4131	Strategic Management	3
CISM 2030	Introduction to Business Programming	3
orCSCI 1236	Introduction to Java Programming	3
CISM 3131	Management Information Systems	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3
Major Requirements (27 Credit Hours)		
CISM 2230	Advanced Java	3
CISM 3134	Data Communications	3
CISM 3135	Systems Analysis and Design	3
CISM 3333	ERP Systems Using SAP	3
CISM 4134	Database Management	3
CISM 4135	Project Management and Development	3
CISM 4434	Enterprise System Configuration	3
Select two of the following:		6
CISM 4237	Business Intelligence	3
CISM 4335	Advanced Business Applications Programming (ABAP) for the SAP/ERP System	3
CISM 4435	ERP Web Portal Customization and Collaboration using SAP NetWeaver	3
CISM 4436	SAP TERP10 Review	3
CISM 4790	Internship in Information Systems	3

Electives (6 Credit Hours)		
Select 6 credit hours of Electives (should be chosen in consultation with the student's advisor)		6
Total Credit Hours		126

- 1 *Area C - Recommended Principles of Public Speaking (COMM 1110) (3)*
- 2 *Area D - Required Survey of Calculus (MATH 1232) (3)*
- 3 *Area E - Recommended Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOC1 1101) (3)*

Advisement

College of Business Administration Student Services Center, Business Administration Bldg, (912) 478-0085.

Information Systems B.B.A. (Enterprise Security Emphasis)

Degree Requirements: 126 Credit Hours

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum ¹	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	

Select 11 credit hours from Area D of the Core Curriculum 11
 2

Area E - Social Sciences (12 Credit Hours)

Select 12 credit hours from Area E of the Core Curriculum 12
 3

Area F - Courses Appropriate to Major (18 Credit Hours)

ACCT 2101	Financial Accounting	3
ACCT 2102	Managerial Accounting	3
BUSA 1105	Introduction to Business	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
LSTD 2106	Legal Environment of Business	3

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Specific Requirements Beyond Area A1-F (27 Credit Hours)

BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3
BUSA 4131	Strategic Management	3
CISM 2030	Introduction to Business Programming	3
orCSCI 1236	Introduction to Java Programming	3
CISM 3131	Management Information Systems	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3

Major Requirements (27 Credit Hours)

CISM 2230	Advanced Java	3
CISM 3134	Data Communications	3
CISM 3135	Systems Analysis and Design	3
CISM 3333	ERP Systems Using SAP	3
CISM 4134	Database Management	3
CISM 4135	Project Management and Development	3

Select three of the following: 9

CISM 3331	Principles of Enterprise Information Systems Security	3
CISM 4238	Network Administration	3
CISM 4790	Internship in Information Systems	3
IT 2333	IT Infrastructure	3
IT 4234	Datacenter Management	3
IT 4335	Network Architecture	3
IT 5433	Information Storage and Management	3
IT 5434	Network Security Fundamentals	3

Electives (6 Credit Hours)

Select 6 credit hours of Electives (should be chosen in consultation with the student's advisor) 6

Total Credit Hours **126**

¹ Area C - Recommended Principles of Public Speaking (COMM 1110) (3)

² Area D - Required Survey of Calculus (MATH 1232) (3)

³ Area E - Recommended Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOC 1101) (3)

Advisement

College of Business Administration Student Services Center, Business Administration Bldg, (912) 478-0085.

Information Systems B.B.A. (Logistics Information Systems Emphasis)

Degree Requirements: 126 Credit Hours

Credit Hours

Area A1 - Communication Skills (6 Credit Hours)

Select 6 credit hours from Area A1 of the Core Curriculum 6

Area A2 - Quantitative Skills (3 Credit Hours)

Select 3 credit hours from Area A2 of the Core Curriculum 3

Area B - Global Engagement (4 Credit Hours)

Select 4 credit hours from Area B of the Core Curriculum 4

Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)

Select 6 credit hours from Area C of the Core Curriculum ¹ 6

Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)

Select 11 credit hours from Area D of the Core Curriculum 11
 2

Area E - Social Sciences (12 Credit Hours)

Select 12 credit hours from Area E of the Core Curriculum 12
 3

Area F - Courses Appropriate to Major (18 Credit Hours)

ACCT 2101	Financial Accounting	3
ACCT 2102	Managerial Accounting	3
BUSA 1105	Introduction to Business	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
LSTD 2106	Legal Environment of Business	3

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Specific Requirements Beyond Area A1-F (27 Credit Hours)

BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3
BUSA 4131	Strategic Management	3
CISM 2030	Introduction to Business Programming	3
orCSCI 1236	Introduction to Java Programming	3
CISM 3131	Management Information Systems	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3

Major Requirements (27 Credit Hours)

CISM 2230	Advanced Java	3
CISM 3134	Data Communications	3
CISM 3135	Systems Analysis and Design	3
CISM 3333	ERP Systems Using SAP	3
CISM 4134	Database Management	3
CISM 4135	Project Management and Development	3
LOGT 3231	Principles of Transportation	3
LOGT 3232	Logistics and Supply Chain Management	3
Select one of the following:		3
LOGT 4231	Logistics and Intermodal Transportation Operations	
LOGT 4232	International Logistics	
LOGT 4234	Analytical Tools in Logistics	
LOGT 4263	Seminar in Intermodal Distribution	
LOGT 4790	Internship in Logistics	
Electives (6 Credit Hours)		
Select 6 credit hours of Electives (should be chosen in consultation with the student's advisor)		6
Total Credit Hours		126

- 1 Area C - Recommended Principles of Public Speaking (COMM 1110) (3)
- 2 Area D - Required Survey of Calculus (MATH 1232) (3)
- 3 Area E - Recommended Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCL 1101) (3)

Advisement

College of Business Administration Student Services Center, Business Administration Bldg, (912) 478-0085.

Business Analytics Interdisciplinary Minor

Contact

Department Chair, Department of Information System
CEIT 3126
3rd Floor
(912) 478-ISIS (4747)

The Business Analytics minor is an ideal course of study for business and non-business students seeking a comprehensive introduction to the emerging field of business analytics.

Prerequisite(s)

For business students:

		Credit Hours
ACCT 2101	Financial Accounting	3
ACCT 2102	Managerial Accounting	3
BUSA 3131	Business Statistics	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
Total Credit Hours		15

For Students with declared majors in other colleges:

		Credit Hours
BUSA 3131	Business Statistics	3

IT 1430	Web Page Development	3
IT 2333	IT Infrastructure	3
MATH 2130	Discrete Mathematics	3
Total Credit Hours		12

Minor Program

		Credit Hours
CISM 4134	Database Management	3
orCSCI 3432	Database Systems	
orIT 3233	Database Design and Implementation	
CISM 4237	Business Intelligence	3
CISM 4239	Advanced Business Analytics with SAP HANA	3
Select two of the following:		6
CISM 4335	Advanced Business Applications Programming (ABAP) for the SAP/ERP System	
CISM 4435	ERP Web Portal Customization and Collaboration using SAP NetWeaver	
IT 4136	Knowledge Discovery and Data Mining	
IT 5135	Data Analytics	
Total Credit Hours		15

** Business students must meet the requirements for BBA status. Students with declared majors in other colleges must have completed a minimum of 55 credit hours.*

Enterprise Resources Planning (ERP) Systems Minor

Contact

Department Chair
Department of Information Systems
Information Technology Building, Room 3126
(912) 478-ISIS (4747)

The ERP Systems minor is an ideal course of study for business and non-business students seeking a comprehensive introduction to enterprise systems. It provides a course of study leading to the SAP University Alliances Student Recognition Award and satisfies eligibility requirements for participating in the SAP TERP10 Student Certification Academy.

Prerequisite(s):

		Credit Hours
ACCT 3131	Intermediate Accounting I (prerequisite for ACCT 4130 - Accounting Information Systems)	3
ACCT 2101/2101H	Financial Accounting (prerequisite for ACCT 2102 - Managerial Accounting)	3
Total Credit Hours		6

Minor Program

		Credit Hours
ACCT 2030	Survey of Accounting	3
orACCT 2102	Managerial Accounting	
ACCT 4130	Accounting Information Systems	3
orCISM 3131	Management Information Systems	
CISM 3333	ERP Systems Using SAP	3

Select two of the following:

CISM/MGNT 4333	Human Resource Information Systems	6
CISM 4335	Advanced Business Applications Programming (ABAP) for the SAP/ERP System	
CISM 4336	ERP and Enterprise Performance	
CISM 4434	Enterprise System Configuration	
CISM 4435	ERP Web Portal Customization and Collaboration using SAP NetWeaver	
CISM 4436	SAP TERP10 Review	
CISM 4790	Internship in Information Systems	
MGNT 4436	Supply Chain Analytics	

Total Credit Hours **15**

* Business students must meet the requirements for BBA status. Students with declared majors in other colleges must have completed a minimum of 55 credit hours.

Information Systems Minor

Contact

Department Chair
Department of Information Systems
Information Technology Building, Room 3126
(912) 478-ISIS (4747)

Minor Program

Select one of the following:		Credit Hours
ACCT 2030	Survey of Accounting	3 - 6
or ACCT 2101 & ACCT 2102	Financial Accounting and Managerial Accounting	
ACCT 4130	Accounting Information Systems	3
or CISM 3131	Management Information Systems	
CISM - Three 3000-level (or higher) electives for which the prerequisites are met		9
Total Credit Hours		15-18

Department of Logistics and Supply Chain Management

Logistics and Intermodal Transportation

Transportation companies, industrial firms and government agencies are all looking for the qualified graduate with training in the field of logistics. The major in logistics and intermodal transportation prepares the student for this career choice by providing general knowledge of the field of business and supporting course work in the areas of logistics, transportation and supply chain management. The program also offers an international emphasis; internships are available and strongly recommended for qualified students.

Logistics and Supply Chain Management Major

- Logistics and Intermodal Transportation B.B.A. (p. 106)

Logistics and Intermodal Transportation B.B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

		Credit Hours
Area A1 - Communication Skills (6 Credit Hours)		
Select 6 credit hours from Area A1 of the Core Curriculum		6
Area A2 - Quantitative Skills (3 Credit Hours)		
Select 3 credit hours from Area A2 of the Core Curriculum		3
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum		4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum ¹		6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum ²		11
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum ³		12
Area F - Courses Appropriate to Major (18 Credit Hours)		
ACCT 2101	Financial Accounting	3
ACCT 2102	Managerial Accounting	3
BUSA 1105	Introduction to Business	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
LSTD 2106	Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements Beyond Area A1-F (24 Credit Hours)		
ACCT 4130	Accounting Information Systems	3
or CISM 3131	Management Information Systems	
BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3
BUSA 4131	Strategic Management	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3
Major Requirements (24 Credit Hours)		
LOGT 3231	Principles of Transportation	3
LOGT 3232	Logistics and Supply Chain Management	3
LOGT 4231	Logistics and Intermodal Transportation Operations	3
LOGT 4232	International Logistics	3
LOGT 4263	Seminar in Intermodal Distribution	3

MKTG 3133	Professional Selling	3
Select two of the following:		6
CISM 3333	ERP Systems Using SAP	
ECON 4334	Transportation Economics	
MGNT 4435	Six Sigma and Continuous Improvement	
MKTG 3134	Business Marketing	
MKTG 4136	International Marketing	
LOGT 4233	Logistics Executive in Residence	
LOGT 4234	Analytical Tools in Logistics	

Electives (12 Credit Hours)

Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor) 12

Total Credit Hours 126

- Area C - Recommended: Principles of Public Speaking (COMM 1110) (3)*
- Area D - Required: Survey of Calculus (MATH 1232) (3)*
- Area E - Recommended: Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCL 1101) (3)*

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

Advisement

College of Business Administration Student Services Center, Business Administration Bldg., (912) 478-0085.

Entrepreneurship and Small Business Management Minor

Contact

Dr. Robert C. Hoell
Department Chair
Department of Management
Business Administration Building, Room 3355
(912) 478-5161

Minor Program

		Credit Hours
MGNT 3130	Principles of Management	3
MGNT 3234	Entrepreneurship	3
MGNT 4234	Small Business Management	3
MGNT 4235	Applied Small Business Management	3
MGNT 4236	New Venture Planning	3
Total Credit Hours		15

Department of Management

Management

This major emphasizes the integrative nature of the management discipline in planning, organizing, directing, and controlling contemporary profit and non-profit organizations. The program includes the study of both qualitative and quantitative contributions from the management sciences to provide the student with modern analytic concepts, tools, and techniques that can be used as aids to managerial decision-making. The impacts of the international environment and of the social

responsibilities of managers receive special attention across the broad range of management courses. Various teaching methods are used in an effort to bring reality to classroom considerations of relevant business problems. The student who wishes to major in management can select one of five options:

- the management major without an area of emphasis;
- the management major with an emphasis in entrepreneurship/small business management;
- the management major with an emphasis in hospitality management;
- the management major with an emphasis in human resource management; or
- the management major with an emphasis in operations management.

Management Major Without an Area of Emphasis

This major is intended to expose students to entrepreneurship, hospitality management, human resources, and operations management, as well as general management principles and practices.

Emphasis in Entrepreneurship/Small Business Management (E/SB)

This emphasis is designed for persons whose career aspirations include starting, managing, and developing their own businesses. The distinguishing characteristic of the emphasis is that it focuses on teaching students how to assume total responsibility for a business enterprise. This emphasis is especially appealing to self-motivated individuals who prefer to be their own bosses and who are unafraid of expressing and taking action on their ideas.

Emphasis in Hospitality Management

This Hospitality Program is designed to prepare students for careers in Restaurant or Hotel Management. Upon the completion of course work a semester long paid internship is required. This is intended to give students hands-on experience to complement their studies and to serve as a bridge to help start their careers.

Emphasis in Human Resource Management (HRM)

The human resource management emphasis allows a student to specialize in the study of personnel administration and human resource management. While this emphasis is especially appealing to individuals whose career aspirations are focused on working in the human resources management areas, the collection of courses included in this emphasis are relevant to managers in all areas of today's organizations.

Emphasis in Operations Management (OM)

The operations management emphasis allows the student to prepare for positions in manufacturing and other organizations with operations departments and for management careers in manufacturing and service organizations. While much of the course work focuses on manufacturing management, the approaches that are covered and the skills that are developed are generalizable to service operations and supply chain management.

Management Majors

- Management B.B.A. (p. 108)
- Management B.B.A. (Emphasis in Entrepreneurship/Small Business) (p. 108)
- Management B.B.A. (Emphasis in Hospitality Management) (p. 109)

- Management B.B.A. (Emphasis in Human Resource Management) (p. 110)
- Management B.B.A. (Emphasis in Operations Management) (p. 110)

Management Minors

- Entrepreneurship and Small Business Management (p. 107)
- Hospitality Management (p. 111)
- Human Resource Management (p. 111)
- Management (p. 111)

Management B.B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum ¹	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum ²	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum ³	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ACCT 2101 Financial Accounting	3
ACCT 2102 Managerial Accounting	3
BUSA 1105 Introduction to Business	3
CISM 2530 Advanced Business Applications	3
ECON 2106 Business Economics	3
LSTD 2106 Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements Beyond Area A1-F (24 Credit Hours)	
BUSA 3131 Business Statistics	3
BUSA 3132 Applied Statistics and Optimization	3
BUSA 4131 Strategic Management	3
CISM 3131 Management Information Systems	3
FINC 3131 Principles of Corporate Finance	3
MGNT 3130 Principles of Management	3
MGNT 3430 Operations Management	3
MKTG 3131 Principles of Marketing	3
Major Requirements (24 Credit Hours)	

MGNT 3134	Behavior in Organizations	3
MGNT 3234	Entrepreneurship	3
MGNT 3235	Leadership in Organizations	3
MGNT 3334	Human Resource Management	3
MGNT 4230	International Management	3
MGNT XXXX	Upper Division MGNT elective courses ⁴	9

*non-MGNT elective courses in COBA may be substituted upon approval by Chair of Department of Management

Electives (12 Credit Hours)	
Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor)	12
Total Credit Hours	126

- ¹ Area C - Recommended Principles of Public Speaking (COMM 1110) (3)
- ² Area D - Required Survey of Calculus (MATH 1232) (3)
- ³ Area E - Recommended Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOC 1101) (3)
- ⁴ Non-MGNT elective courses in COBA may be substituted upon approval by Chair of Department of Management

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

Advisement

College of Business Administration Student Services Center, Business Administration Bldg., (912) 478-0085.

Management B.B.A. (Emphasis in Entrepreneurship/Small Business)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum ¹	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum ²	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum ³	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ACCT 2101 Financial Accounting	3
ACCT 2102 Managerial Accounting	3

BUSA 1105	Introduction to Business	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
LSTD 2106	Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements Beyond Area A1-F (24 Credit Hours)		
BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3
BUSA 4131	Strategic Management	3
CISM 3131	Management Information Systems	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3
Major Requirements (24 Credit Hours)		
MGNT 3134	Behavior in Organizations	3
MGNT 3234	Entrepreneurship	3
MGNT 3334	Human Resource Management	3
MGNT 4230	International Management	3
MGNT 4234	Small Business Management	3
MGNT 4235	Applied Small Business Management	3
MGNT 4236	New Venture Planning	3
MGNT XXXX	Upper Division Course	3
Electives (12 Credit Hours)		
Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor)		12
Total Credit Hours		126

¹ Area C - Recommended Principles of Public Speaking (COMM 1110) (3)

² Area D - Required Survey of Calculus (MATH 1232) (3)

³ Area E - Recommended Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCI 1101) (3)

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

Advisement

College of Business Administration Student Services Center, Business Administration Bldg., (912) 478-0085.

Management B.B.A. (Emphasis in Hospitality Management)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6

Area A2 - Quantitative Skills (3 Credit Hours)		
Select 3 credit hours from Area A2 of the Core Curriculum	3	
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum	4	
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum ¹	6	
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum ²	11	
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum ³	12	
Area F - Courses Appropriate to Major (18 Credit Hours)		
ACCT 2101	Financial Accounting	3
ACCT 2102	Managerial Accounting	3
BUSA 1105	Introduction to Business	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
LSTD 2106	Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements Beyond Area A1-F (24 Credit Hours)		
BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3
BUSA 4131	Strategic Management	3
CISM 3131	Management Information Systems	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3
Major Requirements (24 Credit Hours)		
HNRM 3331	Hospitality Industry Management I	3
HNRM 3336	Hotel Operations	3
HNRM 3337	Promoting the Hospitality Industry	3
HNRM 4334	Food and Beverage Operations	3
HNRM 4730	Internship in Hospitality Management	3
MGNT 4230	International Management	3
MGNT or HNRM - Upper Division Electives		6
Electives (12 Credit Hours)		
Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor)		12
Total Credit Hours		126

¹ Area C - Recommended: Principles of Public Speaking (COMM 1110) (3)

² Area D - Required: Survey of Calculus (MATH 1232) (3)

³ Area E - Recommended: Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCI 1101) (3)

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

Advisement

College of Business Administration Student Services Center, Business Administration Bldg., (912) 478-0085.

Management B.B.A. (Emphasis in Human Resource Management)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum ¹	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum ²	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum ³	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ACCT 2101 Financial Accounting	3
ACCT 2102 Managerial Accounting	3
BUSA 1105 Introduction to Business	3
CISM 2530 Advanced Business Applications	3
ECON 2106 Business Economics	3
LSTD 2106 Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements Beyond Area A1-F (24 Credit Hours)	
BUSA 3131 Business Statistics	3
BUSA 3132 Applied Statistics and Optimization	3
BUSA 4131 Strategic Management	3
CISM 3131 Management Information Systems	3
FINC 3131 Principles of Corporate Finance	3
MGNT 3130 Principles of Management	3
MGNT 3430 Operations Management	3
MKTG 3131 Principles of Marketing	3
Major Requirements (24 Credit Hours)	

MGNT 3134	Behavior in Organizations	3
MGNT 3334	Human Resource Management	3
MGNT 4230	International Management	3
MGNT/LSTD 4334	Employment Law and Legislative Compliance	3
Select four of the following:		12
MGNT 4332	Compensation and Benefits	
MGNT/CISM 4333	Human Resource Information Systems	
MGNT 4335	Labor Relations	
MGNT 4338	Staffing, Training, and Development	
MGNT XXXX	Upper Division Elective	
Electives (12 Credit Hours)		
Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor)		12
Total Credit Hours		126

- ¹ Area C - Recommended: Principles of Public Speaking (COMM 1110) (3)
- ² Area D - Required: Survey of Calculus (MATH 1232) (3)
- ³ Area E - Recommended: Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCI 1101) (3)

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

Advisement

College of Business Administration Student Services Center, Business Administration Bldg., (912) 478-0085.

Management B.B.A. (Emphasis in Operations Management)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum ¹	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum ²	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum ³	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ACCT 2101 Financial Accounting	3

ACCT 2102	Managerial Accounting	3
BUSA 1105	Introduction to Business	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
LSTD 2106	Legal Environment of Business	3

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Specific Requirements Beyond Area A1-F (24 Credit Hours)

BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3
BUSA 4131	Strategic Management	3
CISM 3131	Management Information Systems	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3

Major Requirements (24 Credit Hours)

MGNT 3134	Behavior in Organizations	3
MGNT 3437	Service Operations Management	3
MGNT 4431	Purchasing and Negotiation	3
MGNT 4435	Six Sigma and Continuous Improvement	3
MGNT 4436	Supply Chain Analytics	3
MGNT 4438	Global Operations in Supply Networks	3
MGNT XXXX	Upper Division Electives	6

Electives (12 Credit Hours)

Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor)	12
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Total Credit Hours **126**

¹ Area C - Recommended Principles of Public Speaking (COMM 1110) (3)

² Area D - Required Survey of Calculus (MATH 1232) (3)

³ Area E - Recommended Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCL 1101) (3)

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

Advisement

College of Business Administration Student Services Center, Business Administration Bldg., (912) 478-0085.

Hospitality Management Minor

Contact

Dr. Robert C. Hoell

Department Chair

Department of Management
Business Administration Building
Room 3355

(912) 478-5161

Prerequisite(s)

	Credit Hours
Select one of the following:	3-6
ACCT 2030 Survey of Accounting	
ACCT 2101 Financial Accounting & ACCT 2102 and Managerial Accounting	

Minor Program

	Credit Hours
HNRM 3331 Hospitality Industry Management I	3
HNRM 3336 Hotel Operations	3
HNRM - Upper Division Electives	9
Total Credit Hours	15

Human Resource Management Minor

Contact

Dr. Feruzan Irani Williams
Business Administration Building
Room 2238
(912) 478-5527

Minor Program

	Credit Hours
MGNT 3130 Principles of Management ¹	3
MGNT 3334 Human Resource Management ²	3
Select three of the following (where prerequisites are met):	9
MGNT 4332 Compensation and Benefits	
MGNT/CISM 4333 Human Resource Information Systems	
MGNT/LSTD 4334 Employment Law and Legislative Compliance	
MGNT 4335 Labor Relations	
MGNT 4338 Staffing, Training, and Development	
Total Credit Hours	15

¹ Pre-business and undeclared students must meet the requirements for BBA status. Students with declared majors in other fields must have completed a minimum of 55 credit hours.

² Recommend taking MGNT 3130 Principles of Management concurrently.

Management Minor

Contact

Dr. Robert C. Hoell
Department Chair
Department of Management
Business Administration Building, Room 3355
(912) 478-5161

Minor Program

		Credit Hours
ACCT 2030	Survey of Accounting ¹	3
MGNT 3130	Principles of Management	3
MGNT - Upper Division Electives		9
Total Credit Hours		15

¹ May be satisfied by ACCT 2101 Financial Accounting (3) and ACCT 2102 Managerial Accounting (3)

Department of Marketing

Marketing

Preparation in this area will provide the student with an awareness of the marketing problems confronting today's business firms, some knowledge and experience in application of the tools and techniques of marketing problem solving and a more detailed acquaintance with one or more specific areas of the marketing discipline. Students may choose to major in general marketing or in one of the three emphasis areas under marketing.

The Marketing Major Without an Area of Emphasis

The general marketing track is the most flexible and supports the largest number of career opportunities in the field of marketing.

Emphasis in Fashion Merchandising

The fashion merchandising emphasis is designed to provide the student with a broad knowledge of business and marketing while stressing the areas of retailing and fashion.

Emphasis in Retailing Management

The retailing management emphasis is for students interested in retail careers or in marketing positions where knowledge of retailing is important.

Emphasis in Sales and Sales Management

The sales and sales management emphasis is for the student interested in sales as an entry-level marketing position or in sales as a career.

Marketing Majors

- Marketing B.B.A. (Emphasis in Fashion Merchandising) (p. 112)
- Marketing B.B.A. (Emphasis in Retailing Management) (p. 113)
- Marketing B.B.A. (Emphasis in Sales and Sales Management) (p. 113)
- Marketing B.B.A. (Without Area of Emphasis) (p. 114)

Marketing Minor

- Marketing (p. 115)

Marketing B.B.A. (Emphasis in Fashion Merchandising)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

		Credit Hours
Area A1 - Communication Skills (6 Credit Hours)		

Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum ¹	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum ²	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum ³	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ACCT 2101 Financial Accounting	3
ACCT 2102 Managerial Accounting	3
BUSA 1105 Introduction to Business	3
CISM 2530 Advanced Business Applications	3
ECON 2106 Business Economics	3
LSTD 2106 Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements Beyond Area A1-F (24 Credit Hours)	
BUSA 3131 Business Statistics	3
BUSA 3132 Applied Statistics and Optimization	3
BUSA 4131 Strategic Management	3
CISM 3131 Management Information Systems	3
FINC 3131 Principles of Corporate Finance	3
MGNT 3130 Principles of Management	3
MGNT 3430 Operations Management	3
MKTG 3131 Principles of Marketing	3
Major Requirements (24 Credit Hours)	
FMAD 3231 Fashion Fundamentals	3
FMAD 3232 Principles of Merchandising	3
MKTG 3135 Principles of Retailing	3
MKTG 4131 Marketing Research	3
MKTG 4132 Retail Store Management	3
MKTG 4136 International Marketing	3
MKTG 4137 Marketing Management	3
MKTG XXXX Upper Division Elective Approved by an Advisor	3
Electives (12 Credit Hours)	
Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor)	12
Suggested are the following:	
FMAD 3234 Textiles	
FMAD 4234 Fashion Presentation and Promotion	
Total Credit Hours	126

- ¹ Area C - Recommended Principles of Public Speaking (COMM 1110) (3)
- ² Area D - Required Survey of Calculus (MATH 1232) (3)
- ³ Area E - Recommended Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCL 1101) (3)

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

Advisement

College of Business Administration Student Services Center, Business Administration Bldg., (912) 478-0085.

Marketing B.B.A. (Emphasis in Retailing Management)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum ¹	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum ²	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum ³	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ACCT 2101 Financial Accounting	3
ACCT 2102 Managerial Accounting	3
BUSA 1105 Introduction to Business	3
CISM 2530 Advanced Business Applications	3
ECON 2106 Business Economics	3
LSTD 2106 Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements Beyond Area A1-F (24 Credit Hours)	
BUSA 3131 Business Statistics	3
BUSA 3132 Applied Statistics and Optimization	3
BUSA 4131 Strategic Management	3

CISM 3131	Management Information Systems	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3

Major Requirements (24 Credit Hours)

MKTG 3135	Principles of Retailing	3
MKTG 4131	Marketing Research	3
MKTG 4132	Retail Store Management	3
MKTG 4135	Buyer Behavior	3
MKTG 4136	International Marketing	3
MKTG 4137	Marketing Management	3
MKTG XXXX	Upper Division Electives Approved by an Advisor	6

Electives (12 Credit Hours)

Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor)	12
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Total Credit Hours **126**

- ¹ Area C - Recommended: Principles of Public Speaking (COMM 1110) (3)
- ² Area D - Required: Survey of Calculus (MATH 1232) (3)
- ³ Area E - Recommended: Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCL 1101) (3)

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

Advisement

College of Business Administration Student Services Center, Business Administration Bldg., (912) 478-0085.

Marketing B.B.A. (Emphasis in Sales and Sales Management)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum ¹	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum ²	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum ³	12

Area F - Courses Appropriate to Major (18 Credit Hours)		
ACCT 2101	Financial Accounting	3
ACCT 2102	Managerial Accounting	3
BUSA 1105	Introduction to Business	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
LSTD 2106	Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements Beyond Area A1-F (24 Credit Hours)		
BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3
BUSA 4131	Strategic Management	3
CISM 3131	Management Information Systems	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3
Major Requirements (24 Credit Hours) ⁴		
MKTG 3133	Professional Selling	3
MKTG 3134	Business Marketing	3
MKTG 4131	Marketing Research	3
MKTG 4133	Sales Management	3
MKTG 4136	International Marketing	3
MKTG 4137	Marketing Management	3
MKTG 4232	Advanced Selling	3
MKTG XXXX	Upper Division Elective Approved by an Advisor	3
Electives (12 Credit Hours)		
Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor)		12
Total Credit Hours		126

- ¹ Area C - Recommended Principles of Public Speaking (COMM 1110) (3)
- ² Area D - Required Survey of Calculus (MATH 1232) (3)
- ³ Area E - Recommended Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCL 1101) (3)
- ⁴ Major Requirements - Students interested in the Real Estate Industry may take Principles of Real Estate (FINC 4431) (3) OR Real Estate Appraisal (FINC 4433) (3) in place of the MKTG elective.

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

Advisement

College of Business Administration Student Services Center, Business Administration Bldg., (912) 478-0085.

Marketing B.B.A. (Without Area of Emphasis)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours	
Area A1 - Communication Skills (6 Credit Hours)		
Select 6 credit hours from Area A1 of the Core Curriculum	6	
Area A2 - Quantitative Skills (3 Credit Hours)		
Select 3 credit hours from Area A2 of the Core Curriculum	3	
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum	4	
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum ¹	6	
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum ²	11	
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum ³	12	
Area F - Courses Appropriate to Major (18 Credit Hours)		
ACCT 2101	Financial Accounting	3
ACCT 2102	Managerial Accounting	3
BUSA 1105	Introduction to Business	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
LSTD 2106	Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements Beyond Area A1-F (24 Credit Hours)		
BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3
BUSA 4131	Strategic Management	3
CISM 3131	Management Information Systems	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3
Major Requirements (24 Credit Hours)		
MKTG 4131	Marketing Research	3
MKTG 4136	International Marketing	3
MKTG 4137	Marketing Management	3
MKTG XXXX	Upper Division Electives Approved by an Advisor	9
Two Upper Division Marketing and/or Logistics and Intermodal Transportation Electives Approved by an Advisor		6
Electives (12 Credit Hours)		

Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor) 12

Total Credit Hours 126

- ¹ *Area C - Recommended: Principles of Public Speaking (COMM 1110) (3)*
- ² *Area D - Required: Survey of Calculus (MATH 1232) (3)*
- ³ *Area E - Recommended: Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOC 1101) (3)*

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

Advisement

College of Business Administration Student Services Center, Business Administration Bldg., (912) 478-0085.

Marketing Minor

Contact

Dr. Michael L. Thomas
Department Chair
Department of Marketing
Business Administration Building, Room 2204
(912) 478-6625

Minor Program

	Credit Hours
ACCT 2030 Survey of Accounting	3-6
or ACCT 2101 Financial Accounting & ACCT 2102 and Managerial Accounting	
MKTG 3131 Principles of Marketing	3
MKTG - Three electives for which the prerequisites are met	9
Total Credit Hours	12

Forensic Accounting Programs

The costs of corporate fraud and white-collar crime are estimated to exceed \$1 trillion annually. The School of Accountancy administers an interdisciplinary minor in fraud examination and offers a forensic accounting concentration in its graduate accounting program. The fraud examination minor prepares students to become fraud investigators. Please refer to the Interdisciplinary Minor (p. 92) section of the University catalog for a complete listing of the courses included in the minor. Integrating accounting, law, auditing, and investigative skills, and the graduate forensic accounting concentration prepares students to become forensic accountants. Forensic accountants, often referred to as the bloodhounds of accounting, are highly sought after by firms and organizations wishing to beef up their investigations and forensics practices. Please refer to the graduate section of the catalog for a detailed description of the Master of Accounting Forensic Accounting Concentration (<http://catalog.georgiasouthern.edu/graduate/business-administration/college-business-administration-programs/accounting-macc-forensic-accounting-concentration>).

Programs - Graduate

Ph.D. in Logistics and Supply Chain Management

The Ph.D. Program in Logistics and SCM trains students for academic or industry positions in logistics and supply chain management. The program builds on the College of Business Administration's nationally ranked undergraduate degree program in Logistics and Intermodal Transportation. Graduates will be prepared to serve as knowledge brokers, able to transfer understanding of logistics and supply chain management to audiences and provide leadership in expanding this increasingly important and complex field. The program requires 60 credit hours of coursework, provided the student has an appropriate master's degree. Course work in the degree will take two years and then candidates will focus on dissertation and research. The core classes focus on advanced courses in logistics, transportation, and supply chain management providing a broad-based foundation to the historical and current trends in these areas. Students will select a supporting emphasis area from marketing, information systems or operations management, which allows students flexibility in securing positions both inside and outside of academia.

Master of Business Administration

The purpose of the MBA program at Georgia Southern University is to prepare men and women for careers in business and non-profit organizations in an increasingly complex and changing world. It emphasizes the fundamental knowledge and skills underlying modern administration and management, and applies these with emphasis upon the area of managerial and executive decision-making.

Georgia Southern University has offered the Master of Business Administration degree since 1969, with graduates going on to pursue successful careers in banking and finance, marketing, manufacturing, and international organizations. The MBA program is flexible enough to accommodate part-time students. Classes are moderate in size to create an optimal environment for effective learning and thought-provoking discussions.

Master of Accounting

The Master of Accounting (MAcc) program focuses on the knowledge and skills students need for careers in public accounting. The curriculum includes 18 credit hours of accounting and 12 credit hours of electives designed to allow students to customize their program of study to fit their personal career objectives. The Georgia Southern University MAcc program meets Georgia's 150-credit hour requirement for certification as a CPA and can be completed in one year. The MAcc Forensic Accounting Concentration is designed to provide the advanced knowledge, skills, and abilities needed to investigate asset theft and financial statement fraud, to design internal control systems that detect and/or prevent fraud, and to provide litigation support services such as expert witness testimony in court. The School also offers a high quality accredited online MAcc. Please refer to the graduate catalog (<http://catalog.georgiasouthern.edu/graduate/business-administration>) for a detailed description of the programs.

Master of Science in Applied Economics

The Master of Science in Applied Economics (MSAE) is offered exclusively online. The MSAE consists of 30 credit hours and features a rigorous core curriculum consisting of Micro-economic Theory, Macroeconomic Theory, International Economics and Applied Econometrics. The program's graduates are expected to be competitive for employment in private enterprise, including financial institutions, industry, utility companies, and governmental organizations engaged in regulation and economic development.

School of Accountancy

Accounting

Accounting is the language of business. The accounting profession offers almost infinite opportunities for men and women to build exciting and rewarding careers. Technology is driving changes in the way business is done, which means more new opportunities for accounting professionals who are prepared to support organizations of all sizes and structures to harness the enormous potential of transactional information and the technologies used to capture and report that information. Accountants and auditors are the most trusted financial information professionals. The accounting program at Georgia Southern University, which is separately accredited by the AACSB, the international business and accounting accrediting organization, offers students the following curriculum options:

4-Year Track

The four-year program prepares students for a wide range of professional careers in industry, finance, government, and non-profit organizations. The four-year program includes accounting course work which prepares students for work in areas such as fraud examination, financial management, financial reporting and analysis, internal auditing, and management consulting. Upon completion of the 4-year track, students receive the Bachelor of Business Administration degree. Students may want to also minor in another area of business to enhance their business skill sets. MIS is a very valuable added area of emphasis.

5-Year Track

The five-year professional accounting program prepares students for careers in public accounting as certified public accountants (CPA). In order to become certified in the State of Georgia, candidates must have 150 credit hours of college education. After completion of their BBA, students apply for and are competitively admitted to the Master program. In the fifth year, students complete 30 additional credit hours of accounting and non-accounting Masters' level education. This curriculum is designed to prepare them for work as objective advisors for their clients, providing such services as auditing and assurance services, sustainability and environmental accounting, forensic accounting, information technology services, international accounting, consulting services, government and not-for-profit financial services, personal financial planning, and tax advisory services. Please refer to the graduate portion of the catalog for a detailed description of the Master of Accounting (<http://catalog.georgiasouthern.edu/graduate/business-administration/college-business-administration-programs/accounting-macc>) program.

Major in Accounting

- Accounting B.B.A. (p. 116)

Accounting Interdisciplinary Minor

- Fraud Examination (p. 117)

Accounting B.B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4

Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum ¹		6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum ²		11
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum ³		12
Area F - Courses Appropriate to Major (18 Credit Hours)		
ACCT 2101	Financial Accounting	3
ACCT 2102	Managerial Accounting	3
BUSA 1105	Introduction to Business	3
CISM 2530	Advanced Business Applications	3
ECON 2106	Business Economics	3
LSTD 2106	Legal Environment of Business	3
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
	Physical Education Activities	2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements Beyond Area F (24 Credit Hours)		
ACCT 4130	Accounting Information Systems	3
BUSA 3131	Business Statistics	3
BUSA 3132	Applied Statistics and Optimization	3
BUSA 4131	Strategic Management	3
FINC 3131	Principles of Corporate Finance	3
MGNT 3130	Principles of Management	3
MGNT 3430	Operations Management	3
MKTG 3131	Principles of Marketing	3
Major Requirements (24 Credit Hours)		
ACCT 3131	Intermediate Accounting I	3
ACCT 3132	Intermediate Accounting II	3
ACCT 3231	Managerial Accounting II	3
ACCT 3330	Income Tax	3
ACCT 4131	International Accounting	3
ACCT 4133	Intermediate Accounting III	3
ACCT 4430	Auditing	3
ACCT XXXX	Any approved 4000 or 5000 level Elective	3
Electives (12 Credit Hours)		
Select 12 credit hours of Electives (should be chosen in consultation with the student's advisor)		12
Total Credit Hours		126

¹ Area C - Recommended: Principles of Public Speaking (COMM 1110) (3)

² Area D - Required: Survey of Calculus (MATH 1232) (3)

³ Area E - Recommended: Introduction to Psychology (PSYC 1101) (3) or Introduction to Sociology (SOCI 1101) (3)

Program Admission Criteria and Other Program Requirements

See B.B.A. Specific Requirements

School of Accountancy (SOA) Progression Requirements

- Accounting majors must earn a minimum grade of "C" in all required accounting courses in order to progress in the accounting program.
- A student may repeat a maximum of two required accounting courses.
- Students will not be allowed to repeat an accounting course more than twice.
- A student who earns a grade of "D", "F", or "W" in a required accounting course and wishes to continue in the major must write a letter directed to the SOA Director requesting permission to continue in the accounting major. Students should submit the letter a minimum of three weeks prior to the anticipated date of reentry into an accounting course. Requests to repeat a course are considered by the School of Accountancy Undergraduate Student Affairs Committee on an individual basis and the student is notified in writing of the decision of the Committee. The committee will consider input from the student's instructor(s) in making its decision and the submission of a letter requesting permission to retake the course constitutes permission for the committee to consult the instructor(s) for relevant information regarding the student's performance in the course. If the approval is granted, the student may repeat the course at its next offering pending space availability.
- Students given permission to repeat a required accounting course may be advised and/or required to complete a remedial study program to alleviate any areas of deficit identified by the student's prior performance in the course. Denial of a request to repeat a required accounting course, or a third failure to successfully complete a course (grade of "D", "F", or "W") will result in the dismissal of the student from the accounting program/major.
- Dismissal from the accounting program does not affect the ability of the student to progress in the College or the University in another major.
- Students who are dismissed from the accounting program because they cannot enroll in a required accounting course (due to #2, #3 or #5) may appeal the program dismissal to the Dean of the College of Business Administration or his/her delegate (Appeals Officer). Students who wish to appeal their dismissal should write a letter to the Appeals Officer requesting permission to continue in the accounting major.
- Credit from Other Sources - A student is to obtain written permission from the SOA Director prior to registration for academic credit at other institutions or by independent study and will not be allowed to complete academic credit at other institutions for a course previously attempted at Georgia Southern University except in rare and exceptional circumstances.
- Strict adherence to the American Institute of Certified Public Accountant's Code of Professional Conduct is required of all accounting students. Failure to comply with these professional standards will result in review and action by the School of Accountancy faculty and could result in the student's dismissal from the accounting program.

Advisement

College of Business Administration Student Services Center, Business Administration Bldg., (912) 478-0085.

Fraud Examination Interdisciplinary Minor

Contact

Donald L. Berecz
School of Accountancy
Business Administration Building
Room 2203
(912) 478-0259

Minor Program

		Credit Hours
ACCT 4631	Macro Fraud Examination	3
ACCT 4632	Micro Fraud Examination	3
LSTD 3630	White Collar Crime	3
LSTD 3631	Fraud and the Law	3
LSTD 4633	Forensic Interviews and Interrogations	3
Select one of the following:		3
ACCT 2030	Survey of Accounting ¹	
ACCT 2101	Financial Accounting ¹	
ACCT 2102	Managerial Accounting ¹	
Total Credit Hours		18

¹ Business majors take Financial Accounting (ACCT 2101)/Managerial Accounting (ACCT 2102). Other students take Survey of Accounting (ACCT 2030). Financial Accounting (ACCT 2101) and Survey of Accounting (ACCT 2030) are in Area F.

Secondary or P-12 Education Certification

For Those Interested in Secondary Education (Grades 6-12) Certification with a BUSINESS Degree

Students who plan to seek teacher certification after completion of the B.B.A. program (Accounting, Finance, Information Systems, Logistics and Intermodal Transportation, Management, Marketing, or Regional Economic Development) may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. To meet content requirements, the following courses must be completed as part of or in addition to your current program of study.

		Credit Hours
CSCI 1230	Introduction to BASIC Programming	3
GCM 1321	Desktop Publishing	2
GCM 1411	Desktop Publishing Laboratory	1
IT 1130	Introduction to Information Technology	3
WRIT 3230	Writing in the Workplace	3
Total Credit Hours		12

The following education courses may also be taken as *electives* while enrolled in your bachelor's program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

		Credit Hours
ITEC 3430	Instructional Technology for P-12 Teaching Fields	3
READ 3330	Content Literacy	3
SPED 3333	Introduction to Special Education	3

Education Area F “Preprofessional Block” (PPB) courses may also be taken; however the PPB courses will not count toward meeting certification requirements or MAT degree requirements. These courses can provide undergraduate students information and experiences in school settings that will help them make more informed decisions about becoming a teacher. Since the three PPB courses have USG-mandated field requirements, the following guidance should be followed:

- BA/BS/BBA majors can take the complete 9 credit hour PPB block of courses with the required 50 credit hour field experience; **OR**
- BA/BS/BBA majors can take Exploring Learning and Teaching (EDUC 2130) concurrently with PPB Practicum (EDUC 2090) (50 contact credit hours in a school) – total of 3 credit hours. After taking Exploring Learning and Teaching (EDUC 2130), those students can take one or both of the other PPB courses with approximately 10 credit hours of field experience with each course. These courses are:

		Credit Hours
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3
EDUC 2120	Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts	3

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.

For Those Interested in Secondary Education (Grades 6-12) Certification with an ECONOMICS Degree

Students who plan to seek teacher certification after completion of the B.B.A. Economics program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.B.A. Economic requirements are met, typically no other Economics content courses are required.

The following education courses may also be taken as *electives* while enrolled in your bachelor’s program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

		Credit Hours
ITEC 3430	Instructional Technology for P-12 Teaching Fields	3
READ 3330	Content Literacy	3
SPED 3333	Introduction to Special Education	3

Education Area F “Preprofessional Block” (PPB) courses may also be taken; however the PPB courses will not count toward meeting certification requirements or MAT degree requirements. These courses can provide undergraduate students information and experiences in school settings that will help them make more informed decisions about becoming a teacher. Since the three PPB courses have USG-mandated field requirements, the following guidance should be followed:

- BA/BS/BBA majors can take the complete 9 credit hour PPB block of courses with the required 50 credit hour field experience; **OR**
- BA/BS/BBA majors can take Exploring Learning and Teaching (EDUC 2130) concurrently with PPB Practicum (EDUC 2090) (50 contact credit hours in a school) – total of 3 credit hours. After taking Exploring Learning and Teaching (EDUC 2130), those students can take one or both of the other PPB courses with approximately 10 credit hours of field experience with each course. These courses are:

		Credit Hours
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3
EDUC 2120	Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts	3

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.

College of Education

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Vision

We envision a College of Education that continues to grow in its national recognition for excellence and innovation in teaching, scholarship, and outreach; and becomes the choice for novice and experienced professionals desiring a high quality, flexible education to help them meet their individual intellectual and career goals.

Mission

The mission of the College of Education is to prepare students to teach, lead, counsel, and model life-long learning; engage in scholarship that provides new pathways to meet the needs of a dynamic, diverse society; and facilitate access to learning opportunities that are authentic, student-centered, and technology-rich.

Undergraduate Advisement

Pre-education and education majors are assigned to a professional advisor in the Student Success Center in the College of Education (COE Bldg. room 1107) for program planning and course scheduling. Since the College's programs are developed to enable students to meet the certification requirements of the Georgia Professional Standards Commission, it is critical that students meet with their advisors to plan their programs of study. All students must complete the Core Curriculum; however, in order to meet the requirements of the teaching field, professional education, and certification, it is advisable for students to declare an intent to major in education before the second semester of the sophomore year. Prior to admission into the Teacher Education Program, students are designated as Pre-education majors. For additional information or questions, contact Christina Thompson at (912) 478-0698 or cjthomp@georgiasouthern.edu.

Conceptual Framework

Part I: Beliefs and Commitments

The College of Education assumes leadership for the preparation and continuing development of teacher candidates and other professional school personnel in collaboration with other colleges on campus, public schools, and related educational agencies. Further, we believe in the inclusive nature of the term *educator* as it refers to candidates in all programs of the College of Education who work in schools or

other educational agencies. We understand our work affects both our candidates and the individuals (including students) with whom they work. Toward that end, our conceptual framework extends beyond the traditional boundaries of the College to form a professional community. The Educator Preparation Committee (EPC), which includes representatives from the College of Education, other colleges on campus, public schools, and related agencies, provides a forum for coordinating these efforts.

"*Reflective Educators for Diverse Learners*" is the theme of the College of Education's conceptual framework. This theme, as articulated in the *Four Commitments*, clearly reflects the mission of the College and University. The University's focus is on providing a culture of engagement that bridges theory with practice. This focus is reflected in the COE vision "We envision a College of Education that continues to grow in its national recognition for excellence and innovation in teaching, scholarship, and outreach; and becomes the choice for novice and experienced professionals desiring a high quality, flexible education to help them meet their individual intellectual and career goals." To achieve its mission, the College is committed to academic distinction in undergraduate and graduate education, collaboration, diversity, professional development, and regional service. These College-level commitments are reflected in the *four commitments* we seek to instill in our candidates. Embedding the *four commitments* in the Teacher Education Program (TEP) Standards and aligning them with competencies required by the Georgia Professional Standards Commission and Specialized Professional Associations in all initial and advanced programs ensures coherence among curriculum, instruction, field experiences, clinical practice, and assessment across a candidate's program.

C.1 Commitment to the Knowledge, Skills and Dispositions of the Profession – We believe that it is of primary importance for our candidates to possess in-depth knowledge of their disciplines and/or subject matter they plan to teach, including a thorough understanding of the central concepts, tools of inquiry, and structures of their fields as delineated in professional, state and institutional standards. These standards provide the framework for the College of Education unit assessment system and for each program's ongoing assessment and revision efforts. We believe that candidates must be knowledgeable about learning theories and related methodologies, the application of emerging technologies, and the influence of human growth and development on the educational process, coupled with a strong subject-matter knowledge base grounded on a firm ethical foundation. Educators must have the ability and the knowledge to create and evaluate personal guidelines for decision making in a professional context. We believe that by presenting a strong research base and linking it with practice we will facilitate the growth of our candidates as informed and reflective practitioners who support the learning of their students. Campus, P-12 schools, and community-based collaborations and partnerships result in richer programs and enhance learning opportunities for all candidates. This represents the wide spectrum of educational activities in the College of Education and recognizes the dynamic nature of the work environments in which our candidates are or will be engaged.

C.2 Commitment to Diversity - We believe in the necessity of a strong historical understanding of one's profession and the willingness to view knowledge as a personal construction affected by one's cultural beliefs. We believe that educators must also recognize their responsibilities to, and the rights and needs of all students, particularly underserved populations including English language learners, students with exceptionalities, students of color, and those living in poverty. We believe educators must be able to enhance students' learning by addressing diverse learning styles and abilities and taking into account each individual's physical, cognitive, language, emotional, social, and cultural development. We believe that our candidates must understand the interrelatedness of individuals, small groups, and society, both locally and globally. To support the learning of all students, educators must be active in working with issues of culture, diversity, and equity; understand the political and humanistic nature of education; and have the knowledge and skills to deliver curriculum, instruction and services from

multiple perspectives. Educators must be cognizant of the ideological, economic, and special interest pressures exerted on the institution of education at all levels. We believe educators must be able to enhance communication among all users of education in the school, community, home, and industry. We believe that educators must understand how human emotions interact with the education process, both in terms of the student and the educator. Educators must understand how personal perceptions of self, work, and professional relationships affect the daily decision-making process. Educators must be sensitive to prejudice and the effect it has on educational environments. Toward that end, diversity is an integral component of the mission of Georgia Southern University. Our candidates' curriculum, field experiences, clinical practice, and key assessments have been designed to ensure that candidate experiences reflect the diversity of south Georgia.

C.3 Commitment to Technology - We believe that candidates must recognize the critical role of technology in all facets of the educational process; thus, we provide all candidates with experiences that allow exploration of a broad range of technologies. To that end, all candidates in initial and advanced programs integrate technology and other multimedia resources. Candidates will use technology-based best practices to engage all students and maximize their learning as well as enabling them to become proficient in the use of technologies. The College of Education uses a technology-based assessment system that continuously gathers data at the unit and program levels for formative and summative assessment purposes. Through data analysis, the College of Education's professional community ensures that candidates meet technology-related professional and state standards.

C.4 Commitment to the Practice of Continuous Reflection and Assessment - We believe that reflective educators continually engage in data-based assessment, familiarize themselves with the culture of the students they serve, study the history of education on a local, state and national level, and listen to the personal and familial stories of the students in front of them. As part of this process, candidates who work directly with students must monitor, assess and analyze student learning, and make appropriate adjustments to instruction and the learning environment. Other professional school personnel candidates critique and are able to reflect on their work within the context of student learning. We believe that reflective educators use multiple sources of data to evaluate and improve their practice in an effort to ensure that the educational needs of all learners are met. They have the ability to define and frame a problem from multiple perspectives, to consider reasoned courses of action, to act, and, finally, to reflect on the effectiveness of their actions, as demonstrated by a variety of student assessment measures.

Reflective Educators for Diverse Learners considers all learners and represents a vision of professional practice for the entire College of Education professional community. To that end, our conceptual framework demonstrates that we believe all educators must acknowledge the multifaceted nature of their work and engage in practice that reflects a commitment to the knowledge and dispositions of the profession, diversity, technology, and the practice of continuous reflection and assessment.

The purpose of our conceptual framework document is to capture and clearly convey to our candidates, school partners, and other stakeholders what we believe to be the purpose and content of educator preparation. We want to emphasize that these beliefs are also commitments we desire to instill in our candidates. With this as a goal, our conceptual framework document is presented in two sections. Part I contains our belief statements expressed as *Four Commitments* and Part II contains the bibliographic support for each commitment. It includes a mixture of foundational literature and literature that is currently used by faculty in course bibliographies or as required textbooks. This literature underpins our beliefs and the *Four Commitments* across all programs in the College of Education. The Conceptual Framework Bibliography is a dynamic document that is maintained on our COE Web site.

Department of Curriculum, Foundations and Reading

The Department of Curriculum, Foundations, and Reading provides a service function to all other programs in the College. Undergraduate and graduate level courses are offered in the areas of educational foundations, educational psychology, curriculum theory and development, reading education, and educational research. A master's degree program in reading education, an education specialist degree program in reading education, and a doctoral degree program in curriculum studies are offered by this department. In addition to degree programs, the department offers the reading endorsement.

Department of Leadership, Technology and Human Development

The Department of Leadership, Technology, and Human Development offers a broad range of programs that provide school/system-wide and student-oriented support services for traditional and alternative settings. A diverse selection of graduate programs prepare school and community agency personnel in the areas of school and clinical mental health counseling, higher education student services, educational leadership, higher education administration, instructional technology, and school psychology. A doctoral degree program in educational leadership is also offered by this department. In addition to degree programs, the department offers the online teaching and learning endorsement.

Department of Teaching and Learning

The Department of Teaching and Learning offers undergraduate teacher preparation programs with study concentrations in early childhood education and early childhood/special education (grades P-5); middle grades education (grades 4-8); special education (P-12); and the P-12 teaching field in health and physical education. The Master of Arts in Teaching (M.A.T.) program offers secondary and P-12 teacher preparation in the fields of biology, broad fields science, business, chemistry, economics, English, family and consumer sciences, history, geography, mathematics, physics, political science, and Spanish, as well as middle grades and special education. The department offers a Master of Education (M.Ed.) program in curriculum and instruction - accomplished teaching, as well as Master of Education (M.Ed.) and Education Specialist (Ed.S.) degrees in early childhood education; special education with concentrations in general or adaptive curriculum; middle grades education with concentrations in language arts, mathematics, reading, science, and social studies; and secondary education with concentrations in biology, broad fields science, business, chemistry, economics, English, geography, history, mathematics, physics, and political science. In addition to degree programs, the department offers an endorsement in English for Speakers of Other Languages (ESOL). The programs are based upon the concept of developmentally appropriate practices and value diverse, intensive field experiences in a range of grade levels and school settings.

Teaching and Learning Majors

- Early Childhood Education B.S.Ed. (p. 121)
- Health and Physical Education B.S.Ed. (p. 122)
- Middle Grades Education B.S.Ed. (p. 123)
- Special Education B.S.Ed. (p. 124)

Early Childhood Education B.S.Ed.

Degree Requirements: 135 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Pre-Professional Block	9
EDUC 2110 Investigating Critical and Contemporary Issues in Education	
EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts	
EDUC 2130 Exploring Learning and Teaching	
Prerequisite Courses to Teaching Field	9
ISCI 2001 Life/Earth Science	
ISCI 2002 Physical Science	
MATH 2008 Foundations of Numbers and Operations	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Professional Education (24 Credit Hours)	
ECED 3732 Methods I Practicum	3
ECED 4733 Methods II Practicum	3
ECED 5799 Student Teaching in Early Childhood Education	9
ECED 4632 Student Teaching Seminar	3
SPED 3231 Classroom Management	3
SPED 3331 Introduction to Special Education for Early Childhood Education	3
Major Requirements (36 Credit Hours)	
ECED 3232 P-5 Creative Arts	3
ECED 3262 P-5 Language and Literacy	6
ECED 4333 P-5 Teaching Mathematics	3
ECED 4433 P-5 Science	3
ECED 4533 P-5 Social Studies	3
ESED 5234 Cultural Issues: ESOL	3

MATH 3032	Foundations of Data Analysis and Geometry	3
MATH 5130	Statistics and Probability for K-8 Teachers	3
MATH 5135	Algebraic Connections for K-8 Teachers	3
READ 2230	Cognition and Language	3
READ 4233	Literacy: Assessment and Instruction	3

Study Concentration (9 Credit Hours)

Select one of the following study concentrations: 9

Study Concentration One: P-5 Early Childhood Education (P-5 Certification)

ECED 3131	The P-5 Curriculum	
EDUF 3131	Assessment and Management	
HLTH 3530	Health and Physical Education for the Early Childhood Teacher	

Study Concentration Two: Special Education/Early Childhood Education (P-5 Dual Certification)

SPED 3131	Assessment in Special Education	
SPED 3133	Methodologies of Inclusive P-5 Settings	
SPED 3134	Special Education Procedures	

Total Credit Hours **135**

Program Admission Criteria

See B.S.Ed. Degree Requirements

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate

Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program and qualify for a Georgia Preservice Certificate
- Must earn a minimum grade of "C" on all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain overall cumulative GPA of 2.50 or higher
- Must successfully complete all field experiences
- Must take courses sequentially according to Area
- Courses in Area F must be taken prior to admission into the Teacher Education Program
- Take only one practicum course per semester
- Must meet requirements for admission to Student Teaching, (See catalog section, Admission to Student Teaching)
- Must successfully complete assessments identified at each program transition point

Honors in Early Childhood Education

To graduate with Honors in Early Childhood Education, a student must:

- be admitted to the University Honors Program;
- successfully complete at least four credit hours of Honors Research Seminar in Education (COED 3610H) over four semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

Each student in Early Childhood Education is assigned to an advisor in the College of Education Student Success Center for program

planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjthomp@georgiasouthern.edu

Health and Physical Education B.S.Ed.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Pre-Professional Block	9
EDUC 2110 Investigating Critical and Contemporary Issues in Education	
EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts	
EDUC 2130 Exploring Learning and Teaching	
Other Courses for the Major	9
KINS 2431 Foundations of Health and Physical Education	
KINS 2531 Human Anatomy and Physiology I	
KINS 2532 Human Anatomy and Physiology II	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Pedagogy for Professional Educators (22 Credit Hours)	
ESED 5799 Student Teaching in P-12 Education	9
HLTH 3432 HPE Curriculum Development	3
ITEC 3430 Instructional Technology for P-12 Teaching Fields	3
KINS 4430 Instructional Design in Health and Physical Education for Elementary Students	3
KINS 4431 Instructional Design in Health and Physical Education for Middle and High School Students	3
KINS 4617 Senior Seminar in Health and Physical Education	1
Major Requirements (35 Credit Hours)	
Health Science and Kinesiology Core:	23

HLTH 3332	Coordinated School Health Programs	
HLTH 3431	Methods and Materials for School Health Education	
KINS 2511	Human Anatomy and Physiology I Laboratory	
KINS 2512	Human Anatomy and Physiology II Laboratory	
KINS 3131	Biophysical Foundations of Human Movement	
KINS 3230	Motor Control, Coordination, and Skill	
KINS 3435	Life Span Motor Development	
KINS 4432	Adapted Physical Education	
HLTH 3135	Topics in Coordinated School Health Movement Content and Performance Core:	12
KINS 3432	Elementary Physical Education I	
KINS 3433	Elementary Physical Education II	
KINS 3436	Performance and Technique in Physical Activity I	
KINS 3437	Performance and Technique in Physical Activity II	
Elective (3 Credit Hours)		
Select 3 credit hours of Electives		3
Total Credit Hours		126

Program Admission Criteria

See B.S.Ed. Degree Requirement

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate

Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program
- Must earn a minimum grade of "C" in all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain an overall cumulative GPA of 2.50 or higher
- Must successfully complete all field experiences
- Must take courses in proper sequence
- Must meet requirements for admission to Student Teaching (See catalog section, Admission to Student Teaching)
- Must successfully complete assessments identified at each program transition point

Honors in Health and Physical Education

To graduate with Honors in Health and Physical Education, a student must:

- be admitted to the University Honors Program;
- successfully complete at least four credit hours of Honors Research Seminar in Education (COED 3610H) over four semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

Each student in Health and Physical Education is assigned to an advisor in the College of Education Student Success Center for program

planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjtthomp@georgiasouthern.edu

Middle Grades Education B.S.Ed.

Degree Requirements: 135 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Pre-Professional Block	9
EDUC 2110 Investigating Critical and Contemporary Issues in Education	
EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts	
EDUC 2130 Exploring Learning and Teaching	
Other Courses for the Major	
Select 6 credit hours in the primary concentration area (language arts, math, science, or social studies) and 3 credit hours in the secondary concentration area (language arts, math, reading, science, or social studies):	9
Language Arts:	
WRIT/LING 2430 Essential Grammar for Successful Writing	
READ 2230 Cognition and Language (required for reading & language arts concentrations)	
ENGL 2111 World Literature I ¹	
or ENGL 2112 World Literature II	
Math:	
MATH 1112 Trigonometry	
MATH 2010 Problem Solving for K-8 Teachers	
Reading (secondary concentration only):	
READ 2230 Cognition and Language	
Social Studies:	
GEOG 1130 World Regional Geography ²	
HIST 1111 World History I: Development of World Civilization	
Science:	
ISCI 2001 Life/Earth Science	
Select 3 credit hours from the following not taken in Area D:	
BIOL 1230 Environmental Biology	
CHEM 1040 Chemistry and the Environment	

GEOL 1340 Environmental Geology	
PHYS 1135 How Things Work	
PHYS 1149 Environmental Physics	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Pedagogy for Professional Educators (24 Credit Hours)	
MGED 3131 Nature and Curriculum Needs of the Middle Grades Learner	3
MGED 3712 Middle School Practicum III	1
MGED 3731 Middle School Practicum I	3
MGED 3722 Middle School Practicum II	2
MGED 4632 Seminar in Middle Grades Education	3
MGED 5799 Student Teaching in Middle Grades Education	9
SPED 3332 Introduction to Special Education in the Middle Grades	3
Major Requirements (21 Credit Hours)	
ESED 5234 Cultural Issues: ESOL	3
MATH 2008 Foundations of Numbers and Operations	3
MGED 3232 Methods of Teaching Science in the Middle Grades	3
MGED 3332 Methods of Teaching Language Arts/ Reading in the Middle Grades	3
MGED 3432 Methods of Teaching Social Studies in the Middle Grades	3
MGED 3532 Methods of Teaching Mathematics in the Middle Grades	3
MSED 5333 Literature and Writing for the Middle and Secondary Schools	3
Concentrations (24 Credit Hours)	
Select from two of the following areas:	24
Language Arts:	
ENGL 5135 Teaching Literature to Middle and Secondary School Students ³	
or READ 3330 Content Literacy	
WRIT 3131 Teaching Writing	
WRIT 3430 Linguistics and Grammar for Teachers	
Math:	
MATH 3032 Foundations of Data Analysis and Geometry	
MATH 5130 Statistics and Probability for K-8 Teachers	
MATH 5135 Algebraic Connections for K-8 Teachers	
MATH 5137 Geometry for K-8 Teachers	
Reading:	
READ 3330 Content Literacy	
READ 4131 The Teaching of Reading	
READ 4232 New Literacies and Technology	
READ 4233 Literacy: Assessment and Instruction	
Science:	
GEOG 3330 Weather and Climate	
GEOL 5230 Earth Science	
GEOL 5231 General Oceanography	

ISCI 2002	Physical Science
Social Studies:	
HIST 4130	Georgia History
Select 3 credit hours from the following:	
GEOG 4232	Geography of Latin America
GEOG 4233	Geography of Asia
GEOG 4330	Geography of Africa South of the Sahara
GEOG 4430	Geography of Europe
Select 3 credit hours from the following:	
HIST 3434	Modern European Thought
HIST 3530	History of Africa to 1800
HIST 3531	History of Africa since 1800
HIST 3532	The Modern Middle East
HIST 3533	Modern Eastern Europe
HIST 3534	Modern Southeast Asia
HIST 3538	Modern Latin America
Select 3 credit hours from the following:	
HIST 3130	African American History to 1877
HIST 3131	African American History Since 1877
HIST 3133	United States Constitutional History
HIST 3134	American Economic History
HIST 3135	Rise of U.S. to World Power
HIST 3136	U.S. as a Global Power
HIST 3137	Topics in U.S. Women's History
HIST 3139	History of Religion in the U.S.
HIST 4132	Recent America: U.S. Since 1945
Total Credit Hours	135

- 1 If language arts is the primary concentration and reading is the secondary concentration, take World Literature I (ENGL 2111) (3) **OR** World Literature II (ENGL 2112) (3).
- 2 *If taken in Area E, take Introduction to Human Geography (GEOG 1101) (3)*
- 3 If Language Arts is the primary concentration and Reading is the second concentration, candidates must also take Writing, Rhetoric, and Culture (WRIT 4570) (3) **OR** Literature for Adolescents (ENGL 5534) (3)

Program Admission Criteria

See B.S.Ed. Degree Requirement

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate

Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program and qualify for a Georgia Preservice Certificate
- Must earn a minimum grade of "C" in all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain an overall cumulative GPA of 2.50 or higher
- Must successfully complete all field experiences
- Must take courses in proper sequence
- Must meet requirements for admission to Student Teaching (See catalog section, Admission to Student Teaching)
- Must successfully complete assessments identified at each program transition point

Honors in Middle Grades Education

To graduate with Honors in Middle Grades Education, a student must:

- be admitted to the University Honors Program;
- successfully complete at least four credit hours of Honors Research Seminar in Education (COED 3610H) over four semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

Each student in Middle Grades Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjthomp@georgiasouthern.edu

Special Education B.S.Ed.

Degree Requirements: 129 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Pre-Professional Block	9
EDUC 2110	Investigating Critical and Contemporary Issues in Education
EDUC 2120	Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts
EDUC 2130	Exploring Learning and Teaching
Other Courses for the Major	
READ 2230	Cognition and Language
MATH 2008	Foundations of Numbers and Operations
Electives (3) (approved by advisor)	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520	Healthful Living
Physical Education Activities	
Orientation (2 Credit Hours)	
FYE 1220	First-Year Seminar
Pedagogy for Professional Educators (24 Credit Hours)	
EDUF 3232	Educational Psychology: General

ITEC 3230	Instructional Technology for Special Education	3
SPED 3711	Special Education Practicum I	1
SPED 3722	Special Education Practicum II	2
SPED 4733	SPED Practicum III	3
SPED 4734	SPED Practicum IV	3
SPED 5799	Student Teaching in Special Education	9

Major Requirements (30 Credit Hours)

ESED 5234	Cultural Issues: ESOL	3
READ 4131	The Teaching of Reading	3
SPED 3130	Characteristics of Learners with Special Needs	3
SPED 3131	Assessment in Special Education	3
SPED 3134	Special Education Procedures	3
SPED 3231	Classroom Management	3
SPED 3631	Inclusive Practices	3
SPED 4230	Instructional and Behavior Management Methods, P-5	3
SPED 4231	Instructional and Behavior Management Methods, 6-12	3
SPED 4430	Family, Community and Professional Collaboration	3

Concentration (9 Credit Hours)

Select from one of the following areas (Middle grades content level to be "Highly Qualified") 9

Language Arts:

ENGL 5135	Teaching Literature to Middle and Secondary School Students	
or ENGL 5534	Literature for Adolescents	
WRIT 3131	Teaching Writing	
or READ 3330	Content Literacy	
WRIT 3430	Linguistics and Grammar for Teachers	

Math:

MATH 3032	Foundations of Data Analysis and Geometry	
MATH 5130	Statistics and Probability for K-8 Teachers	
MATH 5135	Algebraic Connections for K-8 Teachers	

Reading:

READ 3330	Content Literacy	
READ 4232	New Literacies and Technology	
READ 4233	Literacy: Assessment and Instruction	

Total Credit Hours**129**

Program Admission Criteria

See B.S.Ed. Degree Requirements

- Must be admitted to the Teacher Education Program and qualify for a Georgia Preservice Certificate

Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program
- Must earn a minimum grade of "C" in all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain an overall cumulative GPA of 2.50 or higher
- Must successfully complete all field experiences
- Must successfully complete portfolio evaluation process

- Must meet requirements for admission to Student Teaching (See catalog section, Admission to Student Teaching)
- Must take courses in proper sequence
- Must successfully complete assessments identified at each program transition point

Honors in Special Education

To graduate with Honors in Special Education, a student must:

- be admitted to the University Honors Program;
- successfully complete at least four credit hours of Honors Research Seminar in Education (COED 3610H) over four semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

Each student in Special Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjthomp@georgiasouthern.edu

Structure

The College of Education has a variety of centers and offices that provide specific services to its students, faculty, and public schools:

Within the **Office of Undergraduate Teacher Education and Accreditation**, the Associate Dean coordinates all activities related to undergraduate education; Title II and BOR reporting; CAEP/NCATE/PSC accreditation; College of Education Unit and program assessment; and Educator Preparation Committee activities. The Director of Field Experiences and Clinical Experiences facilitates all field experiences and coordinates student teaching and the Partnership Council including Clinical Associates, Clinical Supervisors, and Partner Schools in collaboration with the various departments, public schools and international partners. Contact information for the Director of Field Experiences and Clinical Practice is Ms. Patricia A. Parsons, pparsons@georgiasouthern.edu, (912) 478-0499.

The **Office of Graduate Education and Research** coordinates graduate admissions and program offerings as well as research and grant activity for the College in collaboration with the various departments, campus offices, and school systems.

The **Center for Educational Leadership and Service** is committed to serving school-university partnerships in preparation, certification, and support of "performance coaches" in educational leadership preparation programs. Furthermore, the Center develops leadership capacity in P-12 partner schools through sponsored research and professional development activities.

The **Coastal Area Teacher Education Service (CATES)** promotes the continuing education and professional development of teachers and other educators in school systems in the southeast area of Georgia. CATES assists in the scheduling of off-campus graduate education courses, publicizes those courses and Professional Learning Unit (PLU) opportunities, and assists off-campus graduate education students as needed.

The **College of Education Student Success Center (SSC)** is responsible for the advisement of all undergraduate education majors. The Director of the SSC and Certification Officer serves as a liaison between the College and the Georgia Professional Standards Commission dealing with certification matters. The Director evaluates student transcripts to

determine course needs for acquiring initial or additional certification fields and makes the College's recommendations for certification.

The **Georgia Center for Educational Renewal** conducts research and identifies its applications to practice for education renewal and/or reform in P-20 schools. It also focuses on educator preparation to facilitate improved teaching and learning in schools, especially for under-served populations. The Center is committed to closing the gaps between research and practice, the university and the schools and in the achievement of minority/majority students.

The **Graduate Academic Services Center** provides a comprehensive graduate experience beginning with recruiting prospective graduate students to providing student support for College of Education graduate students from program entry through graduation. The staff provides direct advisement for graduate students in several programs and provides pre-admission advisement for students in the College of Education. The Center staff also provides faculty and administrator support through the collecting, processing, and consolidating of assessment data for College of Education graduate programs.

The **Instructional Resources Center (IRC)** provides computer laboratories, portable multimedia equipment, and a variety of material resources and equipment for students and faculty. The IRC also provides technical and instructional assistance to College of Education faculty, staff, and students.

The **National Youth-At-Risk Center** develops, coordinates, and extends further the ongoing efforts of the College of Education to foster the intellectual, social, emotional, and physical well-being of youth placed at risk by providing professional development, research support, and resource assistance for educators serving these youth within the geographical service region of Georgia Southern and beyond.

Undergraduate Program Approval and Unit Accreditation

The College of Education offers undergraduate programs to prepare its students for work in public education. Programs are developed in collaboration with departments across the campus and with professionals in the field of education. Each program has been approved by the Georgia Professional Standards Commission, the National Council for Accreditation of Teacher Education, and the Southern Association of Colleges and Schools.

Programs - Undergraduate

Early Childhood Education - B.S.Ed. (with study concentrations in Early Childhood and Early Childhood/Special Education)

Health and Physical Education - B.S.Ed.

Music Education - B.M. (Teacher preparation program offered by the Department of Music with certification through the College of Education)

Middle Grades Education - B.S.Ed.

Special Education (Interrelated/Mild) - B.S.Ed.

B.S.Ed. Degree Requirements

General requirements for the B.S.Ed. degree include fulfillment of the Core Curriculum; completion of all junior/senior level required courses in the teaching field and professional education course work; and 6 credit hours in orientation and health and physical education. At least half of the courses required in the teaching field must be taken at this institution. Correspondence and extension credit hours may not be used to satisfy professional education and content requirements. In addition to these

requirements, students pursuing a B.S.Ed. degree are required to be admitted to the Teacher Education Program.

Teacher Education Program

Undergraduate students and those seeking initial certification as non-degree/M.A.T. students must meet admission requirements for the Teacher Education Program. (See Graduate Catalog for graduate non-degree (<http://catalog.georgiasouthern.edu/graduate/education/college-education-programs/non-degree-graduate-studies/>)/M.A.T. requirements (<http://catalog.georgiasouthern.edu/graduate/education/college-education-programs/teaching-mat/>.) Criteria for retention in the program must also be met, as well as specific program requirements and Student Teaching requirements. Candidate progress is monitored by program faculty and advisors to ensure that candidates are satisfactorily meeting program outcomes.

Admission and Retention in the Teacher Education Program

Admission to the Teacher Education Program (TEP) is required for those students wishing to pursue a degree in any of the education undergraduate programs or in the M.A.T. degree or related non-degree program that leads to initial teacher certification. (See Graduate Catalog for M.A.T. requirements (<http://catalog.georgiasouthern.edu/graduate/education/college-education-programs/teaching-mat/>.) Undergraduate students must be admitted into the Teacher Education Program as a prerequisite for enrollment in junior/senior level education courses. Students must make formal application for admission into the Teacher Education Program which includes a TEP admissions folio review process. The folio review process occurs during enrollment in the Pre-Professional Block (PPB), a set of three three-credit hour courses, which include field experiences totaling 50 clock credit hours, taken concurrently during the second semester of the sophomore year. For transfer undergraduate students, an alternative folio review process is required. During the PPB semester, undergraduate students begin using a data management system. This system supports the monitoring and assessment of students' progress through the TEP.

In order to be admitted into the Teacher Education Program (TEP), an **undergraduate student** must have:

1. Earned a cumulative GPA of 2.50 or better on all Georgia Southern course work, as well as any transfer and transient credit hours which have been accepted by Georgia Southern. Those students who hold a B.A. or B.S. degree must have a minimum cumulative GPA of 2.50 on all coursework.
2. Earned a minimum of 50 credit hours in Core Curriculum courses including Area F Professional Education Block courses.
3. Completed Area A1, Area A2, and Area F course work (including the Pre-Professional Block) with a minimum grade of "C" and an adjusted GPA of 2.75 or better in both areas combined.
4. Completed a MyPSC account with the Georgia Professional Standards Commission and claim Georgia Southern University as the program provider.
5. Successfully completed the GACE Program Admission Assessment examination or be exempted by SAT/ACT/GRE scores.
6. Completed the Georgia Educator Ethics – Program Entry (350).
7. Successfully completed the Pre-Professional Block TEP Admissions Folio Review.
8. Earned a passing evaluation on Area F field experience rubrics. Any student who does not successfully complete the field component of the Area F courses may apply through the Undergraduate Teacher Education Office to attempt this field experience again. This field experience will be repeatable as field placements are available and

must be completed successfully within three attempts, including the original attempt.

9. Successfully completed a writing sample and interview, if applicable (see Transfer Student Plan available from the College of Education's Student Success Center (p. 125).).
10. Submitted proof of liability insurance.
11. Received a Preservice Certificate from the Georgia Professional Standards Commission.
12. Opened an active account with the College of Education's electronic assessment and data management system.

All of the following requirements must be met for retention in the Teacher Education Program:

1. Students must maintain an overall cumulative GPA of 2.50 or better.
2. Students must maintain a total adjusted GPA of 2.75 or better on all professional education and all teaching field course work.
3. Students must earn a minimum grade of "C" in all professional education and all teaching field course work.
4. Students must successfully complete all field experiences.
5. Students must not have been found in violation of the Georgia Southern Student Conduct Code. Reviews will be made on a case-by-case basis based on the seriousness of the violation and with regard to consistency.
6. Students must not have violated the Georgia Professional Standards Commission's Code of Ethics for Professional Educators. Students are provided a copy upon admission and must sign a statement agreeing to abide by this Code of Ethics upon admission into TEP.
7. Students must be making satisfactory progress toward meeting program objectives. Program faculty will be responsible for monitoring student progress and providing guidance to students who may be having difficulty meeting retention requirements.
8. Students must maintain liability insurance.
9. Students must maintain an active account with the College of Education's electronic assessment and data management system.

Policies and Procedures for Field Experiences, Internships and Clinical Experience - Initial Teacher Preparation

Field Experience Placement Policies

Field placements are very important to candidates in the teacher preparation program. Georgia Southern University and its Partner Schools place great importance on field experiences.

- All field experiences are coordinated between the Office of Undergraduate Teacher Education, academic programs, and Partner Schools.
- An attempt will be made to place two or more teacher candidates in a school. An exception to this clustering policy could be rendered by a program or department. This exception would be a result of specialization required of the clinical supervisor.
- One geographical area will serve Georgia Southern's teacher candidate population. The primary area is an approximate 60 mile radius of the Georgia Southern campus. One-way travel of 60 miles from Georgia Southern to a school placement is to be expected.
- Teacher candidates seldomly receive a field placement at a school site where they have had a previous field experience placement. This policy provides candidates with diversity in placements and teaching experiences.
- Teacher candidates are not placed in schools where relatives are employed, where they have been enrolled as a student, or where relatives are enrolled as students.

- Teacher candidates will not receive a field placement with a former P-12 teacher.

Intervention Policies for Field Experiences, Student Teaching, and Internship

- Candidates are allowed a maximum of two (2) Performance Agreements (Form A) (each for different areas of difficulty) per field experience, student teaching, or internship.
- Candidates are allowed a maximum of one (1) Probation (Form B) per field experience, student teaching, or internship.
- Candidates may repeat each field experience, student teaching, or internship one (1) time.
- Withdrawing without academic penalty, withdrawing failing, or withdrawing at the recommendation of the program faculty from a field experience, student teaching, or internship will be considered one (1) attempt at that field experience.

Repeating/Extending Field Experiences, Student Teaching, and Internship

- In very rare situations, an extension of a pre-student teaching or internship field experience (maximum of two weeks) may occur at the recommendation of the Program Coordinator and upon approval of the Department Chair.
- In very rare situations, an extension of the student teaching experience or internship experience (maximum of three weeks) may occur at the recommendation of the Program Coordinator and upon approval of the Department Chair.
- When school personnel request that candidates be removed from the school for performance or professional reasons, a new field placement will rarely be identified until the following semester.

Admission to Student Teaching

Student Teaching is required in all teacher preparation programs at the initial preparation level. In order to participate in the Student Teaching program, a teacher candidate must:

1. Meet all admission and retention requirements for the Teacher Education Program.
2. Have earned an overall cumulative GPA of 2.50 or higher on all college course work attempted.
3. Make application to Student Teaching no later than one semester prior to the academic year semester in which registration for the course occurs.
4. Meet admission requirements for Student Teaching no later than one semester prior to enrollment for the course.
5. Have met the College and department prerequisites for majoring in the field.
6. Have a disciplinary record clear of any actions which might be a detriment to successful performance in the classroom.
7. Possess mental, emotional, and physical health compatible with the expectations of the profession.
8. Participate in the mandatory orientation for Student Teaching.
9. Complete the professional education program and courses in the teaching field with a grade of "C" or better and an adjusted GPA of 2.75 or better.
10. Take the GACE Content Assessment appropriate to the field.
11. Purchase liability insurance.
12. Pass the Georgia Educators Ethics – Program Exit (360).
13. Possess a Preservice Certificate from the Georgia Professional Standards Commission.

Student Teaching Placements

All student teachers are placed within a 60-mile radius of the Georgia Southern campus. School systems in this area are in the counties of Bryan, Bulloch, Burke, Candler, Chatham, Effingham, Emanuel, Evans, Jenkins, Liberty, Long, Screven, Tattnall, Toombs, Vidalia City, and Wayne.

Under the auspices of the International study opportunity, student teaching exchanges within the United Kingdom may be available. Information regarding this exchange can be obtained from the Office of Undergraduate Teacher Education.

Certification

The programs offered by the College of Education at the undergraduate level are designed to prepare teachers for Level Four Induction teacher certification in the state of Georgia. For individuals who already hold a bachelor's degree, initial teaching certification may be obtained for the fields of Early Childhood Education (grades P-5), Health and Physical Education (grades P-12), or Music Education (grades P-12) by completing program requirements at the undergraduate level. For more information on Georgia teacher certification see the Georgia Professional Standards website, <http://www.gapsc.com>.

All graduates of the University who plan to seek certification in Georgia must file an application for a certificate. This will include opening a MyPSC account with the Georgia Professional Standards Commission and claiming Georgia Southern as the program provider. Students enrolled in a Teacher Education Program are given an opportunity to make application at a prescribed time. All candidates for a teaching certificate must earn passing scores on the three required Georgia certification assessments (GACE Content Assessment in the appropriate field, edTPA, and the Educator Ethics - Program Exit (360)). Candidates must have transcripts reviewed by the Director of the SSC/Certification Officer; program completion will be verified after review and submitted to the Georgia Professional Standards Commission for certification. Forms for this purpose are available online at <http://www.gapsc.com/> and can be turned in at the College of Education Student Success Center, COE Building, room 1107. Contact information for the Certification Officer is Christina Thompson, 912-478-0698 or cjthomp@georgiasouthern.edu.

Post Baccalaureate and M.A.T. Teacher Certification Process and Procedures

The College of Education offers the Master of Arts in Teaching (M.A.T.) degree or a similar graduate non-degree program option for those who hold bachelor's degrees in a related teaching field. (See the Graduate Catalog for M.A.T. procedures (<http://catalog.georgiasouthern.edu/graduate/education/college-education-programs/teaching-mat>.) Those who hold a bachelor's degree and are interested in Early Childhood Education, Health and Physical Education, or Music Education certification must complete program requirements at the undergraduate level. For each of these options, students must have their transcripts evaluated by Georgia Southern University's Certification Officer and they must meet all Teacher Education Program (TEP) admission and retention requirements, including an overall GPA of 2.50 or higher on all college course work attempted.

Prospective students should contact the College of Education Student Success Center with questions and go to <http://coe.georgiasouthern.edu> for an Application for Evaluation for Initial Teacher Certification. The completed application should be submitted along with transcripts and payment of the required fee (\$25.00 for the first evaluation and \$10.00 for each additional field requested). Allow at least two weeks for the evaluation process to be completed. Evaluations will be mailed to the applicant upon completion.

All applicants are expected to meet the criteria for admission to the Teacher Education Program. Further requirements for alternative certification students are outlined in the Application for Admission packet which is mailed out with each completed evaluation.

For students pursuing the certification-only option in Early Childhood Education or Health and Physical Education, advisement is provided in the College of Education Student Success Center.

For further information about alternative certification programs and the transcript evaluation process, please contact:

College of Education Student Success Center
Ms. Christina Thompson
P.O. Box 8029
Statesboro, GA 30460
cjthomp@georgiasouthern.edu
(912) 478-0698
FAX: (912) 478-5514
<http://coe.georgiasouthern.edu/advisement/>

Allen E. Paulson College of Engineering and Information Technology

Dean: Mohammad Davoud
IT Building Room 3400
P.O. Box 7995
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Associate Dean: Frank Gross
Faculty and Research Programs
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Associate Dean: David Williams
Students, Curriculum, and Advisement
IT Building Room 3400
P.O. Box 7995
(912) 478-7412
E-mail address: dwilliams@georgiasouthern.edu

Director: John O'Malley
RETP and Co-op Programs
IT Building Room 3400
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(912) 478-7412
E-mail address: jomalley@georgiasouthern.edu

The Allen E. Paulson College of Engineering and Information Technology (CEIT) at Georgia Southern University started operations on July 1, 2012. The college offers both undergraduate and graduate degree programs. At the undergraduate level, the college offers the Bachelor of Science degree programs in Civil Engineering, Computer Science, Construction, Electrical Engineering, Information Technology, Manufacturing Engineering and Mechanical Engineering. At the graduate level, the college offers the Master of Science degree programs in Applied Engineering and Computer Science. The college also offers the Regional Engineering Transfer Program (RETP) as an option for students to complete the first two years of their engineering curriculum at designated Georgia colleges and then transfer to Georgia Southern or another engineering school in Georgia, based on the availability of a particular major, to complete their BS degree in engineering.

Vision

The College of Engineering and Information Technology (CEIT) will be a nationally recognized leader in engineering, computer science, and information technology in the areas of student-centric and application-based teaching, research, and service.

Mission

The College of Engineering and Information Technology (CEIT) will maintain a dynamic and evolutionary environment of excellence in teaching, research, and service in which students, faculty and staff can achieve their professional goals. In these endeavors, CEIT will foster student-centric professional learning experiences utilizing advanced technologies, inspire innovation and invention, encourage sustainability, and technically and economically enrich our communities and societies.

Experiential Learning Opportunities Internships

Internship opportunities are available for all undergraduate programs in the Allen E. Paulson College of Engineering and Information Technology and are required for students majoring in Construction Management and Information Technology. Internships are supervised experiential learning programs, designed to allow students an opportunity to receive practical experience in their chosen field of study. Students should contact Dr. John O'Malley, Director of RETP and Co-op Programs in the Allen E. Paulson College of Engineering and Information Technology Office of the Dean for further information.

Cooperative Education

Co-ops allow students the opportunity to gain work experience related to their academic major while earning a salary. To participate in a cooperative education opportunity, a student must have completed at least 30 semester hours of instruction, have a grade point average of at least 2.5, and be willing to participate in a minimum of two alternating co-op work semesters. Work responsibilities and salaries are determined by the employer. Students should contact Dr. John O'Malley, Director of RETP and Co-op Programs in the Allen E. Paulson College of Engineering and Information Technology Office of the Dean for further information.

Undergraduate Research

Undergraduate research is a primary focus of the CEIT Office of Undergraduate Research. Our administration and faculty work diligently to provide students with abundant opportunities to engage in research under faculty supervision. Examples of each department's current areas of research are included in the department brochures and Web pages. Each fall, CEIT funds student-led research projects, which are showcased in a spring Research Symposium.

Advisement

Undergraduate

Academic advisement for all majors in CEIT is conducted through the CEIT Student Services Center.

Location: CEIT Building, Room 1208, Telephone: (912) 478-4877

Graduate

Graduate students in CEIT are advised by the department's professional advisors and the student's major faculty advisor. For information regarding the MSAE program contact Dr. B. Samanta at MSAE@georgiasouthern.edu and for MSCS program contact Dr. M. Medidi at MSCS (MSCS@georgiasouthern.edu)@georgiasouthern.edu (MSAE@georgiasouthern.edu).

Department of Civil Engineering and Construction Management

The departmental goals are designed to give students state-of-the-art knowledge for professional career and life-long development skills needed to enter the fields of civil engineering and construction management while meeting all the requirements to earn a Bachelor of Science degree. The department engages in the best practices of teaching, scholarship, and service to ensure that graduates serve as ethical and highly qualified leaders of civil engineering and construction management. Students will find open doors to a dedicated and diverse faculty who are well-educated yet grounded in the practical aspects of "real world" civil engineering design and construction. The CE program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>. The CET program is accredited by the Engineering Technology Accreditation

Commission of ABET, <http://www.abet.org>, however; the CET program no longer accepts entering students. The Construction Management program is accredited by the American Council on Construction Education (ACCE), <http://acce-hq.org>.

Civil Engineering and Construction Management Majors

- Civil Engineering B.S.C.E. (p. 130)
- Civil Engineering Technology B.S.C.E.T. (p. 131)
- Construction B.S.Cons. (p. 131)

Civil Engineering B.S.C.E.

Degree Requirements: 132 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1441 Calculus I ¹	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
COMM 1100 Introduction to Human Communication ²	3
Select 3 additional credit hours from Area C of the Core Curriculum	3
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
PHYS 1113 Physics Lab I ²	1
PHYS 1114 Physics Lab II ²	1
PHYS 2211 Principles of Physics I ²	3
PHYS 2212 Principles of Physics II ²	3
Select 3 additional credit hours from Area D of the Core Curriculum	3
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
CHEM 1147 Comprehensive General Chemistry	4
ENGR 1133 Engineering Graphics	3
MATH 2242 Calculus II	4
MATH 2243 Calculus III	4
MATH 2331 Elementary Linear Algebra	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements (20 Credit Hours)	
Carryover from Area A2	1
Carryover from Area D	1
ENGR 1731 Computing for Engineers	3
ENGR 2231 Engineering Mechanics I	3

ENGR 2232	Dynamics of Rigid Bodies	3
ENGR 3233	Mechanics of Materials	3
MATH 3230	Ordinary Differential Equations	3
STAT 2231	Introduction to Statistics I	3

Major Requirements (43 Credit Hours)

CENG 2131	Civil Engineering Fluid Mechanics	3
CENG 2231	Surveying	3
orTCM 2233	Construction Surveying	
CENG 3131	Introduction to Environmental Engineering	3
CENG 3132	Introduction to Water and Wastewater Treatment	3
CENG 3135	Project Cost Analysis, Planning and Management	3
orTCM 3331	Construction Finance	
CENG 3232	Soil Mechanics	3
CENG 3233	Civil Engineering Materials	3
CENG 3331	Structural Analysis	3
CENG 3333	Reinforced Concrete Design	3
CENG 4135	Highway Design	3
CENG 4331	Structural Steel Design	3
CENG 4518	Introduction to Senior Project	1
CENG 4539	Senior Project	3
Select 6 credit hours from the following recommended technical elective courses:		6

COOP x090 - Coop (3) Note: Highly Recommended by the Department

CENG 5133	Water Supply and Wastewater Collection Systems	
CENG 5137	Open Channels and Pumps	
CENG 5139	Advanced Water and Wastewater Treatment	

CENG 5231	Pavement Analysis and Design	
CENG 5232	Foundation Design	
CENG 5234	Asphalt Mix Design	
CENG 5331	Advanced Structural Analysis	
CENG 5332	Prestressed Concrete Design	
CENG 5336	Introduction to Finite Elements	

TCM 5330	Green Building and Sustainable Construction	
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TCM 5431	Construction Cost Estimating	
TCM 5433	Proj Planning/Scheduling	
OR other appropriate topics approved by the Department Chair.		

Free Elective (3 Credit Hours)

Select 3 credit hours of Free Electives	3
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Total Credit Hours **132**

¹ While Calculus I (MATH 1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Specific Requirements.

² The listed courses are recommended in the Core Areas noted and may be prerequisites for major courses.

Other Program Requirements

- A minimum grade of "C" is required for all CENG courses.
- At least 33 credit hours of approved upper division Engineering credit hours must be earned at Georgia Southern.

Honors in Civil Engineering

To graduate with Honors in Civil Engineering a student must:

- Be admitted in the University Honors Program
- Complete a Honors thesis (in a minimum of two regular semesters) for a total of 3-credit hours in Honors Research (UHON 4999)
- Maintain a 3.3 institution grade point average, including a 3.5 minimum GPA in all major courses applied towards graduation

Advisement

CEIT Office of Student Services, Room 1208, Allen E. Paulson College of Engineering and Information Technology, Telephone: (912) 478-4877.

Civil Engineering Technology B.S.C.E.T.

Degree Requirements: 134 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1112 Trigonometry ¹	3
or MATH 1113 Pre-Calculus	
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
CHEM 1147 Comprehensive General Chemistry	4
TENS 2138 Digital Computation	3
or CSCI 1232 Introduction to FORTRAN Programming	
or ENGR 1731 Computing for Engineers	
ENGR 1133 Engineering Graphics	3
MATH 2242 Calculus II	4
PHYS 1112 Introduction to Physics II	3
PHYS 1114 Physics Lab II	1
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements (20 Credit Hours)	
Carryover from Core	1
TCET 3236 Project Cost Analysis, Planning and Management	3
TENS 2141 Statics	4
TENS 2142 Dynamics	4

TENS 2143	Strength of Materials	4
TENS 2144	Fluid Mechanics	4
Major Requirements (45 Credit Hours)		
TCET 2241	Surveying	4
TCET 3141	Environmental Pollution	4
TCET 3142	Structural Analysis	4
TCET 3233	Transportation Systems	3
TCET 3234	Construction Materials	3
TCET 4141	Water Supply Systems	4
TCET 4142	Reinforced Concrete Design	4
TCET 4146	Structural Steel Design	4
TCET 4243	Highway Design	4
TCET 4244	Soil Mechanics and Foundations	4
TCET 4245	Water-Wastewater Treatment	4
TCET 4536	Senior Project	3
Free Elective (3 Credit Hours)		
Select 3 credit hours of Free Electives		3
Total Credit Hours		134

¹ While Pre-Calculus (MATH 1113) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Specific Requirements.

Other Program Requirements

- At least 30 credit hours of approved upper division Engineering Technology credits must be earned at Georgia Southern.
- The Area A2 Math requirement is Trigonometry, but Pre-Calculus may be substituted.
- Introduction to Physics I (with Physics I Lab) is recommended as an Area D, Section I - Traditional Lab Science course.
- Calculus I is recommended as an Area D, Section III - Mathematics, Science or Technology course.

Advisement

CEIT Office of Student Services, Room 1208, Allen E. Paulson College of Engineering and Information Technology, Telephone: (912) 478-4877.

Construction Management B.S.Cons.

Degree Requirements: 131 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1112 Trigonometry	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
COMM 1110 Principles of Public Speaking (Requirement for Humanities, Fine Arts, and Ethics) ¹	3
Select 3 additional credit hours from Area C of the Core Curriculum	3

Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)

GEOL 1340	Environmental Geology (Area D, Section II) ¹	4
PHYS 1111	Introduction to Physics I (Area D, Section I) ¹	3
PHYS 1113	Physics Lab I (Area D, Section 1) ¹	1
STAT 2231	Introduction to Statistics I (Area D, Section III) ¹	3

Area E - Social Sciences (12 Credit Hours)

Select 12 credit hours from Area E of the Core Curriculum 12

Area F - Courses Appropriate to Major (18 Credit Hours)

ACCT 2030	Survey of Accounting	3
TCM 1131	Building Materials and Systems	3
TCM 1231	Introduction to Construction Management	3
TCM 1232	Construction Graphics	3
TCM 2233	Construction Surveying	3
WRIT 2130	Technical Communication	3

Health and Physical Education Activity (4 Credit Hours)

HLTH 1520	Healthful Living	2
	Physical Activity (Two 1-hour Courses)	2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Courses (62 Credit Hours)

	Business Elective 1 (3000 or 4000 level)	3
	Business Elective 2 (3000 or 4000 level)	3
LSTD 3230	Building Construction Law	3
MGNT 3130	Principles of Management	3
TCM 2234	Mechanical and Electrical Equipment and Systems	3
TCM 2240	Introduction to Structures	4
TCM 2333	Building Information Modeling for Construction Management	3
TCM 2430	Construction Safety	3
TCM 3231	Structures I	3
TCM 3232	Structures II	3
TCM 3330	Quantity Estimating	3
TCM 3331	Construction Finance	3
TCM 3332	Construction Equipment Management	3
TCM 3333	Building Codes	3
TCM 4432	Construction Administration	3
TCM 4434	Site Construction	3
TCM 4530	Senior Project	3
TCM 5330	Green Building and Sustainable Construction	3
TCM 5431	Construction Cost Estimating	3
TCM 5433	Proj Planning/Scheduling	3

COOP x090 - Coop (1), Note: 400 hours of approved experience in the construction industry.

NOTE: The following courses are reserved for special circumstances, as approved by the student's academic advisor, and may be used in place of other required courses to satisfy the requirements of the major.

TCM 3890	Special Problems in Construction	1-4
TCM 4090	Selected Topics in Construction	1-3

Free Elective (3 Credit Hours)

Select 3 credit hours of Free Electives	3
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Total Credit Hours 131

¹ The listed courses are recommended in the Core Areas noted. Several of these are prerequisites of other courses required for the major.

Other Program Requirements

- At least 100 hours of Departmental pre-approved community service must be completed prior to graduation clearance.
- A minimum grade of "C" is required in all TCM and PHYS courses.

Advisement

CEIT Office of Student Services, Room 1208, Allen E. Paulson College of Engineering and Information Technology, Telephone (912) 478-4877.

Department of Computer Science

When introduced in 1983, the main emphasis was to provide a solid foundation in algorithm design and implementation based upon a strong background in mathematics. Since that time we have expanded our offerings to include more theoretical-based computer science courses while retaining the original objective. We also have strengthened the program with "core" courses in computer science that reflect a broader emphasis and a greater variety of electives.

Program Educational Objective (3-5 years after graduation)

- have a diverse group of graduates take on successful leadership roles in Computer Science related fields;
- have graduates remain current in their field through the pursuit of life-long learning;
- have graduates work effectively with others to make positive contributions to their employers and to society.

Outcomes

Upon graduation, students with a BS majoring in Computer Science will have:

- an ability to apply knowledge of computing and mathematics appropriate to the discipline;
- an ability to analyze a problem, and identify and define the computing requirements appropriate to its solution;
- an ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs;
- an ability to function effectively on teams to accomplish a common goal;
- an understanding of professional, ethical, legal, security, and social issues and responsibilities;
- an ability to communicate effectively with a range of audiences;
- an ability to analyze the local and global impact of computing on individuals, organizations, and society;
- recognition of the need for, and an ability to engage in, continuing professional development;
- an ability to use current techniques, skills, and tools necessary for computing practices;
- an ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices;

- an ability to apply design and development principles in the construction of software systems of varying complexity.

The CS program is accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>.

Computer Science Major

- Computer Science B.S. (p. 133)

Computer Science Minor

- Computer Science (p. 134)

Computer Science Concentration

- Computer Science Second Discipline Concentration (p. 134)

Computer Science B.S.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
ENGL 2111 World Literature I	3
or ENGL 2112 World Literature II	
COMM 1110 Principles of Public Speaking	3
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
CSCI 1301 Programming Principles I	4
CSCI 1302 Programming Principles II	3
CSCI 2120 Computers, Ethics and Society	2
MATH 2130 Discrete Mathematics	3
MATH 2242 Calculus II ¹	3
STAT 2231 Introduction to Statistics I	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements (7 Credit Hours)	
Foreign Language - 2001 or higher OR International Content Course	3
Select one of the following Second Lab Science sequence courses: (first course in sequence assumed taken in Area D)	4
BIOL 2108 Principles of Biology II	
& 2108L and Principles of Biology II Laboratory	
CHEM 1146 Principles of Chemistry II	

GEOL 1122	General Historical Geology	
PHYS 1112	Introduction to Physics II	
& PHYS 1114	and Physics Lab II	
PHYS 2212	Principles of Physics II	
& PHYS 1114	and Physics Lab II	
Major Requirements (42 Credit Hours)		
CSCI 3230	Data Structures	3
CSCI 3232	Systems Software	3
CSCI 3236	Theoretical Foundations	3
CSCI 3432	Database Systems	3
CSCI 5330	Algorithm Design and Analysis	3
CSCI 5331	Computer Architecture	3
CSCI 5332	Data Communications and Networking	3
CSCI 5335	Object-Oriented Design	3
CSCI 5431	Computer Security	3
CSCI 5436	Distributed Web Systems Design	3
CSCI 5530	Software Engineering	3
Select three of the following elective courses:		
CSCI 3231	Logic Circuits and Microprocessors (OR other approved 3000-level electives)	9
or ENGR 2332	Introduction to Computer Engineering	
CSCI 4132	Data Warehouse Design	
CSCI 4235	Human Computer Interaction	
CSCI 4439	Game Programming	
CSCI 4534	Software Testing and Quality Assurance	
CSCI 4537	Broadband Networks	
CSCI 4539	Optical Networks	
CSCI 5090	Selected Topics in Computer Science	
CSCI 5230	Discrete Simulation	
CSCI 5430	Artificial Intelligence	
CSCI 5437	Computer Graphics	
CSCI 5438	Animation	
CSCI 5531	Systems and Software Assurance	
CSCI 5532	Network Management Systems	
CSCI 5538	Wireless and Mobile Systems	
Electives (11 Credit Hours)		
Carryover from Area F		1
Select 10 credit hours of Electives		10
Total Credit Hours		126

¹ While Calculus II (MATH 2242) is 4 credit hours, only 3 credit hours will count toward fulfilling Area F. The remaining credit hour will be applied toward Electives.

Certificates

Students can earn certificates in one or more of the following areas by completing the course requirements shown below:

	Credit Hours
Broadband and Mobile Systems Certificate (9 Credit Hours)	
Select three of the following:	9
CSCI 4537	Broadband Networks
CSCI 4539	Optical Networks
CSCI 5532	Network Management Systems
CSCI 5538	Wireless and Mobile Systems
Network and Computer Security Certificate (9 Credit Hours)	

CSCI 5431	Computer Security	3
CSCI 5531	Systems and Software Assurance	3
CSCI 5532	Network Management Systems	3
Game Programming Certificate (9 Credit Hours)		
CSCI 4439	Game Programming	3
Select two of the following:		6
CSCI 4235	Human Computer Interaction	
CSCI 5437	Computer Graphics	
CSCI 5438	Animation	
Software Engineering Certificate (9 Credit Hours)		
CSCI 4235	Human Computer Interaction	3
CSCI 4534	Software Testing and Quality Assurance	3
CSCI 5436	Distributed Web Systems Design	3

In addition to completing the course requirements for a certificate, in order to receive a certificate it is necessary to complete the B.S. in Computer Sciences degree program.

Program Admission Criteria

A student must have completed both MATH 2130 and CSCI 1301 with a "C" or better and be enrolled in CSCI 1302 in order to be accepted as a major in Computer Science. Otherwise, a student declaring a major in Computer Sciences will be declared a "Pre-Computer Science" major.

Other Program Requirements

A minimum grade of "C" is required for each CSCI course taken in the major. This applies to all courses (lower and upper division).

Advisement

CEIT Office of Student Services, Room 1208, Allen E. Paulson College of Engineering and Information Technology, Telephone: (912) 478-4877.

Computer Science Minor

Contact

Chair, Department of Computer Science
Information Technology Building, Room 2313
(912) 478- CSCS (2727)

Minor Program

		Credit Hours
CSCI 1301	Programming Principles I	4
CSCI 1302	Programming Principles II	3
CSCI 3230	Data Structures	3
CSCI 3232	Systems Software	3
Select one of the following upper division courses:		3
CSCI 5335	Object-Oriented Design	
CSCI 5432	Database Systems	
Total Credit Hours		16

Computer Science Second Discipline Concentration

Contact

Chair, Department of Computer Science
Information Technology Building, Room 2313

(912) 478- CSCS (2727)

		Credit Hours
Area F (3 Credit Hours)		
CSCI 1302	Programming Principles II	3
Required Courses (15 Credit Hours)		
CSCI 3230	Data Structures	3
CSCI 3232	Systems Software	3
CSCI 3236	Theoretical Foundations	3
CSCI 5335	Object-Oriented Design	3
CSCI 5xxx	Select one 5000-level course	3
Total Credit Hours		15

Department of Electrical Engineering

The Department of Electrical Engineering offers students a hands-on laboratory oriented Bachelor of Science educational experience in Electrical Engineering. The Electrical Engineering curriculum is theoretical, yet hands-on and career oriented. Students gain expertise and practical knowledge in all areas of Electrical Engineering (EE). The Electrical Engineering department has several distinct areas of focus including: Communication Systems, Power Generation and Smart Grids, Fiber Optics, Electromagnetics, Antennas, Control Systems, Network Security, and Sensors. The EE Program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>. The EET degree program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>; however, the EET program no longer accepts entering students.

Electrical Engineering Majors

- Electrical Engineering B.S.E.E. (p. 134)
- Electrical Engineering Technology B.S.E.E.T. (p. 135)
- Regent's Engineering Transfer Program (p. 137)

Electrical Engineering Concentrations

- Computer Engineering Second Discipline Concentration (p. 136)
- Engineering Science Second Discipline Concentration (p. 136)

Electrical Engineering B.S.E.E.

Degree Requirements: 132 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

		Credit Hours
Area A1 - Communication Skills (6 Credit Hours)		
Select 6 credit hours from Area A1 of the Core Curriculum		6
Area A2 - Quantitative Skills (3 Credit Hours)		
MATH 1441	Calculus I ¹	3
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum		4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum		6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
MATH 2242	Calculus II ^{2,3}	3

PHYS 2211	Principles of Physics I ³	3
PHYS 1113	Physics Lab I ³	1
Environmental Sciences with Lab ³		4
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum		12
Area F - Courses Appropriate to Major (18 Credit Hours)		
CHEM 1147	Comprehensive General Chemistry	4
ENGR 1731	Computing for Engineers	3
ENGR 1732	Program Design for Engineers	3
MATH 2243	Calculus III	4
PHYS 1114	Physics Lab II	1
PHYS 2212	Principles of Physics II	3
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements (15 Credit Hours)		
Carryover from Area A2		1
Carryover from Area D		1
ENGR 2231	Engineering Mechanics I	3
or ENGR 3431	Thermodynamics	
ENGR 2341	Introduction to Signal Processing	4
MATH 3230	Ordinary Differential Equations	3
WRIT 2130	Technical Communication	3
Major Requirements (48 Credit Hours)		
EENG 3230	Electromagnetic Fields	3
EENG 3241	Electric Machines	4
EENG 3335	Circuit Analysis II	3
EENG 3340	Microcontrollers	4
EENG 3341	Microelectronics w/lab	4
EENG 3420	Linear Systems	2
EENG 3421	Advanced Engineering Analysis	2
EENG 4620	Senior Project I	2
EENG 4621	Senior Project II	2
EENG 5431	Control Systems	3
EENG 5540	Communication Systems	4
ENGR 2323	Digital Design Lab	2
ENGR 2332	Introduction to Computer Engineering	3
ENGR 2334	Circuit Analysis	3
ENGR 3310	Circuit Analysis Lab	1
Select at least 6 credit hours from the following Electrical Engineering courses:		6
EENG 4890	Directed Study in Electrical Engineering	
EENG 5090	Selected Topics in Electrical Engineering	
EENG 5242	Power Systems	
EENG 5243	Power Electronics	
EENG 5341	Robotic Systems Design	
EENG 5342	Computer Systems Design	
EENG 5432	Programmable Logic Controllers	
EENG 5541	Digital Communications	
EENG 5532	Wireless Communications	
EENG 5533	Optical Fiber Communications	

EENG 5535	Smart Antennas	
EENG 5543	Antennas	
EENG 5891	Special Problems in Electrical Engineering	
Free Elective (3 Credit Hours)		
Select 3 credit hours of Free Electives		3
Total Credit Hours		132

¹ While Calculus I (MATH1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Specific Requirements.

² While Calculus II (MATH 2242) is 4 credit hours, only 3 credit hours will count toward fulfilling Area D. The remaining credit hour will be applied toward Specific Requirements.

³ *The listed courses are recommended in Area D*

Other Program Requirements

- At least 33 credit hours of approved upper division Engineering credits must be earned at Georgia Southern.
- A grade of "C" or better is required on all the prerequisites for ENGR and EENG courses.

Honors in Electrical Engineering

To graduate with Honors in Electrical Engineering a student must:

- Be admitted to the University Honors Program
- Complete a capstone project in EENG 4610H and EENG 4621H
- Maintain a 3.3 institution grade point average, including a 3.5 minimum GPA in all major courses applied towards graduation

Advisement

CEIT Office of Student Services, Room 1208, Allen E. Paulson College of Engineering and Information Technology, Telephone: (912) 478-4877.

Electrical Engineering Technology B.S.E.E.T.

Degree Requirements: 134 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1113 Pre-Calculus ¹	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
MATH 1441 Calculus I ^{2,3}	3
PHYS 2211 Principles of Physics I ³	3
PHYS 1113 Physics Lab I ³	1
Select 4 credit hours from the following Environmental Sciences with Lab ³	4

BIOL 1230	Environmental Biology	
&BIOL 1210	and Environmental Biology Laboratory	
CHEM 1040	Chemistry and the Environment	
GEOL 1340	Environmental Geology	
PHYS 1149	Environmental Physics	

Area E - Social Sciences (12 Credit Hours)

Select 12 credit hours from Area E of the Core Curriculum 12

Area F - Courses Appropriate to Major (18 Credit Hours)

CHEM 1145	Principles of Chemistry I	4
ENGR 1133	Engineering Graphics	3
ENGR 1731	Computing for Engineers	3
MATH 2242	Calculus II	4
PHYS 1114	Physics Lab II	1
PHYS 2212	Principles of Physics II	3

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
	Physical Education Activities	2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Specific Requirements (11 Credit Hours)

	Carryover from Area A2	1
TENS 2137	Engineering Economy	3
WRIT 2130	Technical Communication	3
	Select 4 credit hours from the following Technical Elective courses:	4

MATH 2243	Calculus III	
TENS 2141	Statics	
TENS 2142	Dynamics	
TENS 2143	Strength of Materials	
TENS 2144	Fluid Mechanics	

Any Upper Division Math, Physics, Computer Science, Engineering Technology, or Industrial Technology Course approved by the Advisor

Major Requirements (54 Credit Hours)

	Carryover from Area D	1
TEET 2143	Circuit Analysis I	4
TEET 2441	Digital Circuits	4
TEET 2443	Microcontrollers	4
TEET 3145	Circuit Analysis II	4
TEET 3241	Electronics I	4
TEET 3243	Electronics II	4
TEET 3341	Electric Machines	4
TEET 4610	EET Senior Project I	1
TEET 4620	EET Senior Project II	2
TEET 5245	Electronic Communication Systems	4
TENS 2146	Electrical Devices and Measurements	4

Select at least 14 credit hours from the following Electrical Engineering Technology courses: 14

TEET 3343	Electrical Distribution Systems	
TEET 4090	Selected Topics in Electrical Engineering Technology	
TEET 5238	Industrial Electronics	
TEET 4540	Automatic Controls	
TEET 5340	Digital Communications	
TEET 5531	Programmable Logic Controllers	
TEET 5542	Computer System Design	

Free Elective (3 Credit Hours)

Select 3 credit hours of Free Electives	3
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Total Credit Hours 134

- 1 While Pre-Calculus (MATH 1113) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Specific Requirements.
- 2 While Calculus I (MATH 1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area D. The remaining credit hour will be applied toward Major Requirements.
- 3 *The listed courses are recommended in Area D*

Other Program Requirements

- At least 30 credit hours of approved upper division Engineering Technology credits must be earned at Georgia Southern.

Advisement

CEIT Office of Student Services, Room 1208, Allen E. Paulson College of Engineering and Information Technology, Telephone: (912) 478-4877.

Computer Engineering Second Discipline Concentration

Contact

Chair, Department of Electrical Engineering
Information Technology Building, Room 1313
(912) 478-5373

		Credit Hours
Area F		
MATH 1441	Calculus I	0,4
		Credit Hours

Required Courses (15 Credit Hours)

EENG 3340	Microcontrollers	4
ENGR 1731	Computing for Engineers	3
ENGR 1732	Program Design for Engineers	3
ENGR 2323	Digital Design Lab	2
ENGR 2332	Introduction to Computer Engineering	3

Total Credit Hours 15

Engineering Science Second Discipline Concentration

Contact

Chair, Department of Electrical Engineering
Information Technology Building, Room 1313
(912) 478-5373

		Credit Hours
Area F (4 Credit Hours)		
PHYS 2211	Principles of Physics I	3
PHYS 1113	Physics Lab I	1
		Credit Hours

Required Courses (15 Credit Hours)

ENGR 1133	Engineering Graphics	3
ENGR 1731	Computing for Engineers	3

ENGR 2112	Solid Modeling and Analysis	1
MENG 1310	Manufacturing Processes Lab	1
MENG 2110	Mechanical Engineering Case Studies in Design & Analysis	1
Select 6 credit hours from the following courses:		6
ENGR 2231	Engineering Mechanics I	
ENGR 2232	Dynamics of Rigid Bodies	
ENGR 3233	Mechanics of Materials	
ENGR 3235	Fluid Mechanics	
ENGR 3431	Thermodynamics	
Total Credit Hours		15

Regent's Engineering Transfer Program

The **REGENTS' ENGINEERING TRANSFER PROGRAM (RETP)** - allows prospective engineering students to take the first two years of the engineering curriculum at a designated first institution and, upon successful completion of the first two years of course work, transfer to one of 5 engineering institutions (second institution) in the state to complete the last two years of the engineering degree. Also, non-resident students and Georgia residents who are interested in the engineering programs at other universities may take the same course of study as the RETP students and then transfer to the school of their choice. Students may attend Georgia Southern University as a first institution for the first two years of course work and then transfer to one of four second institutions in the state that offering engineering degrees. Students may attend one of 16 designated first institutions in the state and then transfer to Georgia Southern University (second institution) to complete their engineering degree.

Admission and Completion Requirements for RETP

Current Georgia Southern Students Who Wish to Enter the RETP

Current Georgia Southern students are defined as those who are currently enrolled at Georgia Southern in another academic major. Transfer students are those who have taken a college or university course after graduating from high school from a college or university other than Georgia Southern. Such a student cannot be considered for freshman admission. To be accepted into the RETP, current Georgia Southern students and transfer students must complete the following requirements:

1. A minimum of 30 semester hours of college course work with a cumulative grade point average (GPA) of 3.00,
2. Calculus I (MATH 1441) and Calculus II (MATH 2242) with grades of at least "B" (3.00 GPA),
3. Comprehensive General Chemistry (CHEM 1147) or Principles of Chemistry I (CHEM 1145) and Principles of Physics I (PHYS 2211) with grades of at least "B" (3.00 GPA).

Transfer Admission from an RETP Institution to Georgia Southern University

Students who wish to enter Georgia Southern's RETP must satisfy their first institution's requirements and the CEIT RETP admission requirements, apply for admission to Georgia Southern University, and request a recommendation from the first institution's RETP Coordinator.

Transfer Admission from Georgia Southern University to Another RETP Institution

Georgia Southern students who wish to apply to a second institution that offers engineering degrees as a RETP student must first satisfy the second institution's requirements, apply for admission to the institution, and request a recommendation from the CEIT RETP Coordinator.

Department of Information Technology

Information Technology - BSIT

The department promotes Information Technology as a profession and as an academic discipline. In pursuit of the program mission, world-class educational programs prepare students for a range of careers or graduate study. IT professionals focus on meeting the needs of users within an organizational and societal context through the selection, creation, application, integration and administration of computing technologies. They must, therefore, have a good understanding of the various information technologies and the type of activity in which the organization is involved. Our students are required to complete a series of majorcore courses, an internship experience, an IT specialization area, and a second discipline concentration. Students and faculty also conduct innovative research in all aspects of IT and its applications and participate in consulting and economic development activities that support the mission of Georgia Southern University.

Outcomes

Upon graduation, students with a BS in Information Technology will be able to:

- identify and define the requirements that must be satisfied to address user needs;
- analyze user requirements to design IT-based solutions;
- identify and evaluate current technologies and assess their applicability to address individual and organizational needs;
- work in project teams to develop and/or implement IT-based solutions;
- use current computing techniques, skills, and/or technologies.

The IT program is accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>.

Information Technology - WebBSIT

The Georgia WebBSIT program has two primary purposes. The first purpose is to produce IT graduates with the knowledge, skills, and abilities to meet the needs of Georgia employers. The second purpose is to provide access to a BSIT education for Georgia citizens whose lifestyles make it difficult to attend face-to-face classes on campus. People who are currently working in IT, have family commitments, travel frequently, serve in the military, or simply prefer online learning now have the opportunity to earn a degree from Georgia Southern, one of the six institutions offering the WebBSIT program in Georgia. IT graduates use computer software and hardware tools and applications to develop, support, and manage the technology infrastructure within organizations.

Outcomes

Upon graduation, students with a BS in the Georgia WebBSIT will be able to:

- identify and define the requirements that must be satisfied to address user needs;
- analyze user requirements to design IT-based solutions;

- identify and evaluate current technologies and assess their applicability to address individual and organizational needs;
- work in project teams to develop and/or implement IT-based solutions;
- use current computing techniques, skills, and/or technologies.

These outcomes are in keeping with emerging program and curricular standards for IT education, as well as with the goals and outcomes of the traditional BSIT programs of the collaborating institutions.

Majors in Information Technology

- Information Technology B.S.I.T. (p. 138)
- Information Technology B.S.I.T. (WebBSIT) (p. 139)

Information Technology Minor

- Information Technology (p. 139)

Information Technology B.S.I.T.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
COMM 1110 Principles of Public Speaking	3
Select 3 additional credit hours from Area C of the Core Curriculum	3
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
STAT 2231 Introduction to Statistics I	3
Select 8 additional credit hours from Area D of the Core Curriculum	8
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
IT 1130 Introduction to Information Technology	3
IT 1430 Web Page Development	3
IT 2333 IT Infrastructure	3
MATH 2130 Discrete Mathematics	3
WRIT 2130 Technical Communication	3
Select 3 credit hours from the Second Discipline Concentration	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Major Requirements (36 Credit Hours)	
CISM 3134 Data Communications	3
IT 3130 Web Application Design and Development I	3

IT 3131	Web Application Design and Development II	3
IT 3233	Database Design and Implementation	3
IT 3234	Systems Acquisition Integration and Implementation	3
IT 4130	IT Issues and Management	3
IT 4131	Information Technology Capstone Project	3
IT 4790	Internship in Information Technology	3
MATH 1232	Survey of Calculus	3-4
orMATH 1441	Calculus I	
Select 9 credit hours from one of the following Specialization Areas:		9
Systems Development and Support		
CISM 4237	Business Intelligence	
CSCI 5230	Discrete Simulation	
IT 4234	Datacenter Management	
Web and Multimedia Foundations		
IT 3132	Web Software	
IT 5235	Advanced Web Interfaces	
IT 5236	Mobile Web Infrastructure	
orGCM 5332	Multimedia Presentations	
Information Management		
CISM 4237	Business Intelligence	
IT 5135	Data Analytics	
IT 4136	Knowledge Discovery and Data Mining	
Networking and Datacenter Administration		
IT 4335	Network Architecture	
orCISM 4238	Network Administration	
Select two from the following:		
IT 4234	Datacenter Management	
IT 5433	Information Storage and Management	
IT 5434	Network Security Fundamentals	
Second Discipline Concentration (15 Credit Hours)		
Refer to the Second Disciplines section for a list and descriptions of approved concentrations.		15
Electives (9 Credit Hours)		
Select 8-9 credit hours of Electives (No more than 6 hours of electives in IT, CSCI, and CISM courses)		8-9
Total Credit Hours		126

Program Admission Criteria

Before acceptance as an IT major, a student will be required to complete and have a minimum grade of "C" in:

	Credit Hours
IT 2333	3
MATH 1232	3
MATH 2130	3
STAT 2231	3
WRIT 2130	3

and a minimum average GPA of 2.5 between Introduction to Information Technology (IT 1130) and Web Page Development (IT 1430).

Other Program Requirements

A minimum grade of "C" is required in all Major Requirements, Second Discipline Concentrations, and minor courses. With the approval of the chair of the Department of Information Technology, a minor plus additional

course work required to total at least 18 credit hours will satisfy the second discipline concentration requirement.

Advisement

CEIT Office of Student Services, Room 1208, Allen E. Paulson College of Engineering and Information Technology, Telephone: (912) 478-4877.

Information Technology B.S.I.T. (WebBSIT)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
STAT 2231 Introduction to Statistics I	3
WBIT 1100 Introduction to Information Technology	3
WBIT 1310 Programming and Problem Solving I	3
WBIT 2000 The Enterprise and IT	3
WBIT 2300 Discrete Mathematics for IT	3
WBIT 2311 Programming and Problem Solving II	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Major Requirements (42 Credit Hours)	
WBIT 3010 Technical Communication	3
WBIT 3110 Systems Analysis and Design	3
WBIT 3111 Information Technology Project Management	3
WBIT 3200 Database Design, Development and Deployment	3
WBIT 3400 Introduction to Multimedia	3
WBIT 3410 Web Applications Development	3
WBIT 3500 Architecture and Operating Systems	3
WBIT 3510 Data Communications and Networking	3
WBIT 3600 Introduction to E-Commerce	3
WBIT 4020 Professional Practices and Ethics	3
WBIT 4030 Senior Project	3

WBIT 4112	Systems Acquisition, Integration and Implementation	3
WBIT 4120	Human-Computer Interaction	3
WBIT 4520	Information Security	3
Major Concentration (9 Credit Hours)		
WBIT 4601	Customer Relationship Management	3
WBIT 4602	IT Research Seminar	3
WBIT 4610	IT Policy and Law	3
Electives (9 Credit Hours)		
Select 9 credit hours of Electives		9
Total Credit Hours		126

Program Admission Criteria

Before acceptance as an IT major, a student will be required to complete and have a minimum grade of "C" in:

	Credit Hours
WBIT 1100 Introduction to Information Technology	3
WBIT 1310 Programming and Problem Solving I	3
WBIT 2000 The Enterprise and IT	3
WBIT 2300 Discrete Mathematics for IT	3
WBIT 2311 Programming and Problem Solving II	3

Other Program Requirements

A minimum grade of "C" is required in all Major Requirements, Major Concentrations, and Free Elective courses.

Advisement

CEIT Office of Student Services, Room 1208, Allen E. Paulson College of Engineering and Information Technology, Telephone: (912) 478-4877.

Information Technology Minor

Contact

Chair, Department of Information Technology
Information Technology Building, Room 2120
(912) 478-ITIT (4848)

Prerequisite

	Credit Hours
IT 1130 Introduction to Information Technology	3

Minor

	Credit Hours
Minor Program	
IT 1430 Web Page Development	3
IT 2333 IT Infrastructure	3
IT 3132 Web Software	3
Choose a Track	
Track 1 - Networking	
CISM 3134 Data Communications	
Select one of the following:	
IT 4234 Datacenter Management	
IT 4335 Network Architecture	
IT 5433 Information Storage and Management	
IT 5434 Network Security Fundamentals	

Track 2 - Web	
IT 3130	Web Application Design and Development I
IT 5235	Advanced Web Interfaces
Total Credit Hours	15

Second Discipline Concentrations

- Computer Engineering Second Discipline Concentration (p. 136)
- Computer Science Second Discipline Concentration (p. 134)

- Digital Imaging Systems Second Discipline Concentration (p. 173)

- Engineering Science Second Discipline Concentration (p. 136)

- French Second Discipline Concentration (p. 193)

- Geographic Information Science Second Discipline Concentration (p. 239)
- German Second Discipline Concentration (p. 193)

- Imaging Information Systems Second Discipline Concentration (p. 173)
- Information Technology and the Administration of Justice Second Discipline Concentration (p. 187)
- International Trade Second Discipline Concentration (p. 86)

- Multimedia Communications Second Discipline Concentration (p. 184)
- Multimedia for Information Second Discipline Concentration (p. 184)
- Music Second Discipline Concentration (p. 209)

- Public Health Informatics Second Discipline Concentration (p. 225)

- Spanish Second Discipline Concentration (p. 193)

- Technical Writing Second Discipline Concentration (p. 220)
- Technology and Political Analysis Second Discipline Concentration (p. 211)

- Visual Communications Design (p. 173)

Department of Manufacturing Engineering

The Department of Manufacturing Engineering offers students an applied laboratory oriented Bachelor of Science educational experience in Manufacturing Engineering. The Manufacturing Engineering curriculum is theoretical yet hands-on and career oriented. Students gain expertise and practical knowledge in Manufacturing Engineering (ME) in the major areas of Manufacturing Processes and Materials, Design for Manufacturability, Lean Manufacturing, Quality and Process Control, Automation and Robotics. Students have the opportunity to individually select a focus area of specialization in manufacturing. The specialization areas are: Lean and Six Sigma Black Belt, Manufacturing Automation, Materials Processing, SAP, and Occupational Health and Safety.

Faculty members mentor students in research projects, providing personalized opportunities for professional development. Areas of research include Materials Science, Materials Processing, Composites,

Nano-materials, Productivity and Quality Occupational Safety and Environmental Compliance, and Sustainability in Manufacturing.

Manufacturing Engineering Majors

- Manufacturing Engineering BSMANE (p. 140)

Manufacturing Engineering B.S.Mfg.E.

Degree Requirements: 132 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1441/1441H	3
Calculus I ¹	
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
MATH 2242	3
Calculus II ²	
PHYS 1113	1
Physics Lab I ²	
PHYS 2211	3
Principles of Physics I ²	
Environmental Science	4
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
CHEM 1147	4
Comprehensive General Chemistry	
MENG 2139	3
Numerical Methods in Engineering	
MFGE 2142	4
Mechanical Analysis and Design	
MFGE 2534	3
Applied Computing in Manufacturing Engineering	
PHYS 1114	1
Physics Lab II	
PHYS 2212	3
Principles of Physics II	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520	2
Healthful Living	
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220	2
First-Year Seminar	
Specific Requirements (11 Credit Hours)	
Carryover from Area A2	1
Carryover from Area D	1
ENGR 2131	3
Electronics and Circuit Analysis	
MATH 3337	3
Probability	
STAT 3130	3
Applied Statistics	
Major Requirements (52 Credit Hours)	
ENGR 1133	3
Engineering Graphics	
MENG 1310	1
Manufacturing Processes Lab	
ME Technical Electives ⁴	
MFGE 2421	2
Modeling & Prototyping	

MFGE 2531	Materials Science Studio for Manufacturing Engineering	3
MFGE 2533	Manufacturing Processing 2 Studio	3
MFGE 3131	Design for Manufacturability, Assembly, Sustainability	3
MFGE 3132	Quality and Statistical Process Control for Engineers	3
MFGE 3337	Hydraulics, Fluidics, Pneumatics and Electrical Movers	3
MFGE 3421	Industrial Sensors, PLCs and IT Networking Studio	2
MFGE 3423	Facilities Design	2
MFGE 3531	Advanced Materials Processing Studio Laboratory	3
MFGE 3541	Energy Science Studio	4
MFGE 4135	Lean MFG Principals and Engineering Project Management	3
MFGE 4321	Manufacturing Engineering Capstone I	2
MFGE 4322	Manufacturing Engineering Capstone II	2
MFGE 4533	Dynamics and Kinematics of Robotics and Automation Studio	3
MFGE 4614	Senior Seminar: Professional Skills and Leadership	1
Select 9 hours from one of the following Specialization Areas:		9

Lean and Six Sigma Belt

MFGE 5131	Lean and Six Sigma 1
MFGE 5132	Lean and Six Sigma 2
TMAE 5134	World Class Manufacturing

Manufacturing Automation

MFGE 5238	Facilities Maintenance
MENG 5331	Automation and Computer Integrated Manufacturing Systems
MFGE 5333	Additive Manufacturing Studio

Materials Process

MENG 5138	Composite Materials: Manufacturing, Analysis, and Design
MFGE 5534	Packaging
MFGE 5535	NanoManufacturing

SAP

CISM 3333	ERP Systems Using SAP
CISM 4237	Business Intelligence
CISM 4333	Human Resource Information Systems
CISM 4335	Advanced Business Applications Programming (ABAP) for the SAP/ERP System
CISM 4336	ERP and Enterprise Performance
CISM 4434	Enterprise System Configuration
CISM 4435	ERP Web Portal Customization and Collaboration using SAP NetWeaver

Occupational Health and Safety

TSEC 5331	Occupational Safety
TSEC 5333	Industrial Hygiene and Ergonomics
TSEC 5334	Hazardous Waste Management
TSEC 5335	Systems Safety in Manufacturing
TSEC 5336	Environmental Law

General Manufacturing Engineering

Choose any combination of three courses (9 credits) from any combination of specialization areas above with the advanced approval of your advisor and the department chair

Free Elective (3 Credit Hours)

Select 3 credit hours of Free Electives 3

Total Credit Hours **132**

- While Calculus I (MATH 1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Specific Requirements.
- The listed courses are recommended in Area D
- College credits can be given for high school pre-engineering program Project Lead The Way's (PLTW's) Introduction to Engineering Design (IED) course as a possible substitution for Engineering Graphics (ENGR 1133), if the following three conditions are satisfied:
 - student scores 80% or above overall in the course and
 - an approval of the PLTW affiliate director faculty member at Georgia Southern.
- An appropriate supervised practicum experience/special topic (MFGE 4890 or 4090) can be substituted for one technical elective with the advanced approval of your advisor and the department chair

Other Program Requirements

At least 33 semester hours of approved Engineering courses must be taken at Georgia Southern.

Department of Mechanical Engineering

The Department of Mechanical Engineering offers students an applied laboratory oriented Bachelor of Science educational experience in Mechanical Engineering. The Mechanical Engineering curriculum is theoretical yet hands-on and career oriented. Students gain expertise and practical knowledge in Mechanical Engineering (ME) in the major areas of Mechanical Devices and Controls, Robotics, Environmental Systems, Mechanical Design and Analysis, Material Science and Processing, Renewable Energy, and Thermal-Fluid Energy Sciences. The ME Program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>. The MET degree program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>; however, the MET program no longer accepts entering or transfer students.

Faculty members mentor students in research projects, providing personalized opportunities for professional development. Active areas of research include Biofuels Development; Combustion; Engine Design and Testing; Robotics Automation; Tribology; and Sustainable Design.

Mechanical Engineering Majors

- Engineering Studies Programs (Non-Degree) (p. 142)
- Mechanical Engineering B.S.M.E. (p. 142)
- Mechanical Engineering Technology B.S.M.E.T. (p. 143)

Engineering Studies Programs (Non-Degree)

Degree Requirements: Credit Hours Vary

Course Requirements for All Engineering Major Fields

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
ENGL 1101 Composition I	3
ENGL 1102 Composition II	3
Area A2 - Quantitative Skills (4 Credit Hours)	
MATH 1441 Calculus I	4
Area B - Global Engagement (4 Credit Hours)	
To Be Satisfied at Georgia Tech	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
To Be Satisfied at Georgia Tech	6
Area D - Natural Sciences, Mathematics, and Technology (12 Credit Hours)	
PHYS 2211 Principles of Physics I & PHYS 1113 and Physics Lab I	4
PHYS 2212 Principles of Physics II & PHYS 1114 and Physics Lab II	4
MATH 2242 Calculus II	4
Area E - Social Sciences (9 Credit Hours)	
ECON 2105 Economics in a Global Society	3
HIST 2110 U.S. A Comprehensive Survey or POLS 1101 American Government	3
The remaining 3 credit hours of Area E will be satisfied at Georgia Tech	3
Area F - Courses Appropriate to Major (13 Credit Hours)	
ENGR 1731 Computing for Engineers	3
MATH 2243 Calculus III	4
CHEM 1147 Comprehensive General Chemistry	4
Select 1 additional credit hour from the Mathematics Requirement of Area A2	1
Select 1 additional credit hour from the Mathematics Requirement of Area D	1
Courses Required for Specific Fields of Engineering ¹	
BIOL 1130 General Biology (BmE,Ch,C,Env)	3
BIOL 1110 General Biology Laboratory (BmE,Ch,C,Env)	3
BIOL 2107 Principles of Biology I (Ag,B)	3
BIOL 2107L Principles of Biology I Laboratory (Ag,B)	3
BIOL 2108 Principles of Biology II (B)	3
BIOL 2108L Principles of Biology II Laboratory (B)	3
CHEM 3341 Organic Chemistry I (B,Ch,Mt)	3
CHEM 3342 Organic Chemistry II (Ch)	3
ENGR 1133 Engineering Graphics (A,Ag,B,C,M)	3
ENGR 1732 Program Design for Engineers (Cp,E)	3
ENGR 2231 Engineering Mechanics I (A,Ag,B,BmE,C,Env,M,Mt,N,P)	3
ENGR 2232 Dynamics of Rigid Bodies (A,Ag,C,Env,M)	3
ENGR 2323 Digital Design Lab (Cp,E)	3

ENGR 2332	Introduction to Computer Engineering (Cp,E)	3
ENGR 2334	Circuit Analysis (Cp,E)	3
ENGR 2341	Introduction to Signal Processing (BmE,Cp,E)	3
ENGR 2431	Creative Decisions and Design (M)	3
ENGR 3233	Mechanics of Materials (A,C,Env,M,P)	3
ENGR 3431	Thermodynamics (Ag,B,I,M,N,P)	3
MATH 3230	Ordinary Differential Equations (A,Ag,B,BmE,C,Ch,Cp,E,Env,M,Mt,N,P)	3
MATH 2331	Elementary Linear Algebra (A,Ag,B,BmE,C,Ch,Cp,E,Env,I,Mt,M,N,P)	3
MATH 2430	Computing Techniques (M)	3
MATH 3337	Probability (I)	3
STAT 5531	Statistical Methods I	3

¹ Key: A = Aerospace, Ag = Agricultural, B = Biological, BmE = Biomedical, C = Civil, Ch = Chemical, Cp = Computer, E = Electrical, Env = Environmental, I = Industrial, M = Mechanical, Mt = Materials, N = Nuclear, P = Polymer (Textile).

Advisement

CEIT Office of Student Services, Room 1208, Allen E. Paulson College of Engineering and Information Technology, Telephone: (912) 478-4877.

Mechanical Engineering B.S.M.E.

Degree Requirements: 132 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1441 Calculus I ¹	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
MATH 2242 Calculus II ²	4
PHYS 1113 Physics Lab I ²	1
PHYS 2211 Principles of Physics I ²	3
Select 3 additional credit hours from Area D of the Core Curriculum	3
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
CHEM 1147 Comprehensive General Chemistry	4
ENGR 1133 Engineering Graphics ³	3
ENGR 1731 Computing for Engineers	3
MATH 2243 Calculus III	4
PHYS 1114 Physics Lab II	1
PHYS 2212 Principles of Physics II	3

Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements (23 Credit Hours)		
Carryover from Area A2		1
Carryover from Area D		1
ENGR 2131	Electronics and Circuit Analysis	3
ENGR 3431	Thermodynamics	3
ENGR 2231	Engineering Mechanics I	3
ENGR 2232	Dynamics of Rigid Bodies	3
ENGR 3233	Mechanics of Materials	3
ENGR 3235	Fluid Mechanics	3
MATH 3230	Ordinary Differential Equations	3
Major Requirements (40 Credit Hours)		
ENGR 2112	Solid Modeling and Analysis	1
MENG 1310	Manufacturing Processes Lab	1
MENG 2110	Mechanical Engineering Case Studies in Design & Analysis	1
MENG 2139	Numerical Methods in Engineering	3
MENG 3130	Mechanism Design	3
MENG 3135	Machine Design	3
MENG 3233	Heat Transfer	3
MENG 3331	Materials Science Studio	3
MENG 3333	Materials Processing Studio	3
MENG 3521	Mechatronics Studio Laboratory	2
MENG 4210	Energy Science Laboratory	1
MENG 4430	Engineering Quality Control and Project Management	3
MENG 4612	Mechanical Engineering Senior Seminar	1
MENG 5136	Introduction to Finite Element Analysis	3
MENG 5137	Mechanical System Design	3
ME Technical Electives		6
MENG 5135	Vibration and Preventive Maintenance	
MENG 5138	Composite Materials: Manufacturing, Analysis, and Design	
MENG 5233	Wind Energy	
MENG 5234	Heating, Ventilating, and Air Conditioning	
MENG 5237	Applied Combustion	
MENG 5238	Engine Development and Performance	
MENG 5239	Biofuels Testing	
MENG 5331	Automation and Computer Integrated Manufacturing Systems	
MENG 5333	Robot Dynamics, Design and Analysis	
MENG 5431	Compressible Flow	
MENG 5432	Applied Computational Fluid Dynamics	
MENG 5536	Mechanical Controls	
MENG 5090	Selected Topics in Mechanical Engineering	
MENG 5891	Special Problems in Mechanical Engineering)	
EENG 5432	Programmable Logic Controllers	
TMAE 5139	Renewable Energy	
or equivalent with program coordinator's approval		
Free Elective (3 Credit Hours)		

Select 3 credit hours of Free Electives	3
Total Credit Hours	132

- While Calculus I (MATH 1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Specific Requirements.
- The listed courses are recommended in Area D
- College credits can be given for high school pre-engineering program Project Lead The Way's (PLTW's) Introduction to Engineering Design (IED) course as a possible substitution for Engineering Graphics (ENGR 1133), if the following three conditions are satisfied:
 - student scores 80% or above overall in the course and
 - an approval of the PLTW affiliate director faculty member at Georgia Southern.

Other Program Requirements

- At least 30 credit hours of approved Engineering courses must be taken at Georgia Southern.
- The listed courses are recommended in Area D
- Proficiency examinations will not be accepted in the substitution for any upper-division or laboratory-based courses.

Honors In Mechanical Engineering

To graduate with Honors in Mechanical Engineering a student must:

- Be admitted to the University Honors Program
- Complete all University Honors Program Requirements
- Complete Mechanical Engineering Honors Program Curriculum Requirements
 - MATH 1441H Calculus I
 - ENGR 1133H Engineering Graphics
 - ENGR 1731H Computing for Engineers
- A Core Honors Course of their choosing:
 - Complete College/Department Honors Program Requirements
 - ENGR 3521H - Honors Mechatronics Studio Laboratory (2hr)
 - ENGR 2110H - Honors Solid Modeling and Analysis (1 hrs)
 - MENG 5136H - Honors Introduction to Finite Element Analysis (3hr) or equivalent contract course (3hr)
 - MENG 5891H- Honors Special Topics in ME (3 hrs)
 - Complete a capstone project with thesis
 - Maintain a 3.3 overall grade point average, including a minimum GPA in all major courses applied toward graduation.

Advisement

CEIT Office of Student Services, Room 1208, Allen E. Paulson College of Engineering and Information Technology, Telephone: (912) 478-4877.

Mechanical Engineering Technology B.S.M.E.T.

Degree Requirements: 134 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1113 Pre-Calculus ¹	3
Area B - Global Engagement (4 Credit Hours)	

Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
PHYS 1113 Physics Lab I ²	1
PHYS 2211 Principles of Physics I ²	3
MATH 1441 Calculus I ²	4
Select 3 additional credit hours from Area D of the Core Curriculum	3
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
CHEM 1147 Comprehensive General Chemistry	4
ENGR 1133 Engineering Graphics ³	3
MATH 2242 Calculus II	4
PHYS 1114 Physics Lab II	1
PHYS 2212 Principles of Physics II	3
TENS 2138 Digital Computation	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements (24 Credit Hours)	
Excess credit hour from Area D	1
TENS 2135 Thermodynamics	3
TENS 2141 Statics	4
TENS 2142 Dynamics	4
TENS 2143 Strength of Materials	4
TENS 2144 Fluid Mechanics	4
TENS 2146 Electrical Devices and Measurements	4
Major Requirements (41 Credit Hours)	
Excess credit hour from Area A2	1
TMET 2128 Solid Modeling and Analysis	2
TMET 2521 Introduction to Mechatronics	2
TMET 3130 Mechanism Design	3
TMET 3135 Machine Design	3
TMET 3136 Machine Component Design	3
TMET 3232 Thermodynamics II	3
TMET 3233 Heat Transfer	3
TMET 3341 Materials Science	4
TMET 3343 Materials Processing	4
TMET 3711 Mechanical Engineering Technology Seminar I	1
TMET 3712 Mechanical Engineering Technology Seminar II	1
TMET 4225 Thermal Science Lab	2
MET Electives	9
Free Elective (3 Credit Hours)	
Select 3 credit hours of Free Electives	3
Total Credit Hours	134

- ¹ While Pre-Calculus (MATH 1113) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Major Requirements.
- ² The listed courses are recommended in Area D
- ³ College credits can be given for high school pre-engineering program Project Lead The Way's (PLTW) Introduction to Engineering Design (IED) course as a possible substitution for Engineering Graphics (ENGR 1133) at the MET program level if the following three conditions are satisfied:
 1. student scores 80% or above overall in the course,
 2. student scores 70% or above in the college credit part of the final exam, and
 3. an approval of the PLTW affiliate director faculty member at Georgia Southern.

Other Program Requirements

- At least 30 credit hours of approved Engineering Technology courses must be taken at Georgia Southern.

Advisement

CEIT Office of Student Services, Room 1208, Allen E. Paulson College of Engineering and Information Technology, Telephone: (912) 478-4877.

College of Health and Human Sciences

Dean: A. Barry Joyner
Room 2127 Hollis Building
Post Office Box 8073
(912) 478-5322

Associate Dean: Vacant
Academic Administration
Room 2123 Hollis Building
Post Office Box 8073
(912) 478-5322

Associate Dean: Stephen Rossi
Institutional Effectiveness and Curriculum
Room 2123 Hollis Building
Post Office Box 8073
(912) 478-5322

Assistant to the Dean: Vacant
Marketing, Outreach, and Resource Management
Room 2129 Hollis Building
Post office Box 8073
(912) 478-5195

Vision

The College of Health and Human Sciences will foster a collaborative and interdisciplinary learning community that actively engages an understanding of human environmental needs and inspires transformational thinking and action that impacts the health and quality of life for individuals, families, and communities.

Mission

The College of Health and Human Sciences provides comprehensive and innovative programs that promote health and quality of life for individuals, families, and communities within a global society. The hallmark of the college is its unique blend of disciplines which foster engaged teaching and learning opportunities, creative and contemporary scholarship and socially responsive service activities. Faculty and students are empowered to transform the human environment, promote health and quality of life, advance their discipline, and be responsible citizens. CHHS is distinguished by student preparation that extends learning beyond the classroom through service learning, practica, internships, and clinical experiences.

CHHS is distinguished by:

Excellence in teaching

- Nationally accredited and recognized programs of instruction/curricula
- Student preparation that extends beyond the classroom through service learning, practica, internships, and clinical experiences
- Outstanding and caring faculty who are committed to preparing and mentoring future professionals
- A commitment to creative and innovative scholarship
- Involvement in service opportunities that benefit the community
- A technologically-rich environment
- A culture that embraces positive, professional, and collaborative interactions
- A collaborative decision making environment that embraces shared governance

CHHS expects students to develop into professionals who are:

- Aesthetically responsive
- Creative problem solvers
- Strong analytical thinkers
- Effective leaders
- Global visionaries
- Skilled communicators
- Technological integrators
- Value-based decision makers
- Ethical citizens

CHHS Values and Guiding Principles

As A College We Value:

- Achievement
- Collegiality
- Community Outreach
- Concern for Others
- Diversity
- Health and Activity
- Humility
- Interdependence
- Responsibility

CHHS Guiding Principles for Decision Making

- Accountability
- Centrality
- Civility
- Comparative Advantage
- Involvement/Collaboration
- Quality
- Veracity
- Viability

CHHS Guiding Principles for Actions

- Collaboration
- Grace
- Honesty
- Integrity
- Optimism
- Passion
- Pro-Activity
- Professionalism
- Respect
- Wisdom

Experiential Learning Opportunities

Experiential Learning underpins most of the professional programs in the College of Health and Human Sciences. Nursing and Athletic Training majors spend significant time in clinical sites. Internships provide another opportunity for students to work under the supervision of a practitioner in the field. Whether a Recreation major assigned to a resort, or an Exercise Science major shadowing a physical therapist, interning students learn valuable lessons from experts in their disciplines.

Laboratories also provide CHHS students with experiential learning opportunities. Specially equipped labs in Biomechanics, Applied and Clinical Exercise Physiology and Biochemistry, Nutrition and Dietetics, Sport Psychology, Athletic Training Education, and Coaching give

students hands-on experience with the technology and equipment they will typically encounter in the work environment.

The School of Human Ecology provides experiential learning opportunities which include Interior Design Studio experiences, Fashion Study Tours to the New York market and garment district, Historic Preservation Tours to Charleston and other sites, and opportunities to observe and work at the Child Development Center where students interact with infants, toddlers, and preschoolers and experience first-hand the theory discussed in class or seminar sessions.

All CHHS academic units offer classes that use computer laboratories located in the Hollis Building, the Nursing and Chemistry Building, the Interior Design Complex, and the School of Human Ecology Building. The labs are equipped with the latest computer hardware and peripherals. Sophisticated software that supports programs in each of the discipline areas is available for instruction and general student use.

Advisement

Undergraduate and Graduate

Undergraduate students in the College of Health and Human Sciences are advised in the Student Services Center which is located in Room 0101 in the Hollis Building. Post-Baccalaureate students should contact the Student Services Center at (912) 478-1931. Graduate students are advised by their academic school.

School of Health & Kinesiology

Vision

The School of Health and Kinesiology at Georgia Southern University seeks to become an elite academic unit focusing on the interdisciplinary study of athletic training, coaching, exercise science, nutrition and food science, pedagogy, physical activity/healthful living, and sport psychology. The department promotes undergraduate and graduate education, scholarship, research, and grant procurement and a commitment to professional and public service. To this end, the School of Health and Kinesiology at Georgia Southern University will be characterized by:

1. Student preparation for future excellence through interdependent leadership, innovation, and service.
2. Diverse faculty and staff who are internationally acclaimed, use emerging technology, are innovative with curriculum, produce grants and scholarly manuscripts, are socially responsible, and have a genuine regard for students.
3. Community partnerships to enhance human well being.
4. An environment that promotes academic distinction, high expectations, and intellectual engagement through student centered research and learning initiatives, faculty research collaboration, and technological advancement.
5. A clearly focused and valued purpose for each program:
 - Athletic Training – prepare clinically competent and critical thinking health care professionals to work in the allied health profession of Athletic Training.
 - Coaching – prepare competent athlete-centered coaches who meet the national coaching standards
 - Exercise Science – prepare students to demonstrate an understanding of the application of theoretical knowledge to practical situations or issues in Exercise Science.
 - Nutrition and Food Science – promote the integration of knowledge in nutrition and food science and to develop leadership and critical thinking skills necessary for achievement of excellence in the profession of dietetics.

- Pedagogy – prepare students to become a health and physical educator in a traditional school setting.
- Physical Activity/Healthful Living – educate the university community on the importance of understanding the factors that promote health and wellness throughout the lifespan.
- Sport Psychology – prepare students for professional advancement in the field of sport and exercise psychology by applying theoretical knowledge to practical situations on issues in sport and exercise psychology.

Health & Kinesiology Majors

- Athletic Training B.S.A.T. (p. 146)
- Exercise Science B.S.K. (p. 148)
- Nutrition and Food Science B.S. (p. 149)
- Sport Management B.S. (p. 151)

Health & Kinesiology Minors

- Athletic Training Minor (p. 153)
- Exercise Science Minor (p. 153)
- Nutrition and Food Science Minor (p. 154)

Athletic Training B.S.A.T.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

		Credit Hours
Area A1 - Communication Skills (6 Credit Hours)		
Select 6 credit hours from Area A1 of the Core Curriculum		6
Area A2 - Quantitative Skills (3 Credit Hours)		
Select 3 credit hours from Area A2 of the Core Curriculum		3
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum		4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum		6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum		11
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum		12
Area F - Courses Appropriate to Major (18 Credit Hours)		
KINS 2511	Human Anatomy and Physiology I Laboratory	1
KINS 2512	Human Anatomy and Physiology II Laboratory	1
KINS 2531	Human Anatomy and Physiology I	3
KINS 2532	Human Anatomy and Physiology II	3
MATH 1112	Trigonometry ¹	0-3
NTFS 2530	Nutrition and Health	3
PHYS 1111	Introduction to Physics I ²	0-3
PHYS 1113	Physics Lab I	0-1
Guided Electives		0-8
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (45 Credit Hours)

KINS 3130	Research Methods in Kinesiology	3
KINS 3132	Foundations of Exercise and Sport Psychology	3
KINS 3330	Prevention of Injury and Illness in Athletic Training	3
KINS 3331	Pathology and Care of Athletic Injury and Illness	3
KINS 3541	Structural Kinesiology	4
KINS 3542	Physiological Aspects of Exercise	4
KINS 3543	Biomechanical Analysis of Movement	4
KINS 4130	Administrative Principles in Kinesiology	3
KINS 4330	Evaluation of Lower Extremity Injuries	3
KINS 4331	Evaluation of Upper Extremity Injuries	3
KINS 4332	Therapeutic Modalities in Athletic Training	3
KINS 4333	Therapeutic Exercise and Rehabilitation	3
KINS 4334	General Medical and Pharmacological Issues in Athletic Training	3
KINS 4618	Senior Seminar in Athletic Training	1
Guided Major Electives		2

Major Clinical Requirements (12 Credit Hours)

KINS 2321	Clinical Skills in Athletic Training I	2
KINS 2322	Clinical Skills in Athletic Training II	2
KINS 3321	Clinical Applications in Athletic Training I	2
KINS 3322	Clinical Applications in Athletic Training II	2
KINS 4721	Clinical Practicum in Athletic Training I	2
KINS 4722	Clinical Practicum in Athletic Training II	2

Elective (3 Credit Hours)

Select 3 credit hours of Electives		3
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Total Credit Hours **126**

¹ If taken in Area A2 or D, then use Fundamentals to complete Area F, Guided Electives.

² If Introduction to Physics I (PHYS 1111)/Physics Lab I (PHYS 1113) taken in Area D, then Principles of Chemistry I (CHEM 1145) or Principles of Chemistry II (CHEM 1146) required in Area F, Guided Electives.

Note: Athletic Training Majors must complete Fundamentals to include:

		Credit Hours
MATH 1112	Trigonometry	3
CHEM 1145	Principles of Chemistry I	4
CHEM 1146	Principles of Chemistry II	4
PHYS 1111 & PHYS 1113	Introduction to Physics I and Physics Lab I	4

Students not able to complete Fundamentals in Areas A2, D, and F will take these courses as part of their Guided Major Electives and/or as course substitutions in the major program requirements. Students may substitute Calculus I (MATH 1441) and Principles of Physics I (PHYS 2211)/Principles of Physics II (PHYS 2212) for Fundamentals with advisor approval.

Program Admission Criteria

Athletic Training major applicants must meet the University entrance requirements as described in the University General Catalog. All applicants must apply for admission to both the University and the Athletic Training Major. Once admitted to the University, students should contact the Student Services Center for advisement. In order to be considered for admission into the Athletic Training major, applicants must meet the following minimum requirements by the application deadline (See the department for application dates):

1. Attained admission to Georgia Southern University.
2. Possess a total institution GPA of 2.75 or better on all course work attempted (both transfer course work and work completed at Georgia Southern University are considered).
3. Completed a minimum of 15 credit hours, and enrolled in at least 12 credit hours during the time of application. Total credit hours must reflect at least 4 credit hours completed from Area D and/or F.
4. Completed Human Anatomy and Physiology I (KINS 2531)/Human Anatomy and Physiology I Laboratory (KINS 2511) and Human Anatomy and Physiology II (KINS 2532)/Human Anatomy and Physiology II Laboratory (KINS 2512) with a "C" or better (Completed no later than Summer B term of the application year).
5. Attained a minimum grade of "C" in all Area D and Area F course work attempted.
6. Completed, by the deadline, an Application Package that includes the following:
 - a. A completed Application Form.
 - b. Copies of college transcripts for all work completed to date.
 - c. Blood-borne pathogen training. Contact athletic training faculty for information regarding the training session.
 - d. Documented observation credit hours in an approved athletic training environment. These credit hours must be documented and signed by a certified athletic trainer. These credit hours must have been accrued within the last year.
 - e. A one-page, double-spaced, typed writing sample addressing the following: the single most important attribute for an effective allied health care provider; personal traits or attributes you possess which will allow you to become an effective allied health care provider.
7. Three letters of recommendation.
8. Completed a personal interview with the Athletic Training Admission Committee.

Upon Formal Acceptance Into the Program

Students must show proof of the following documents:

1. Proof of CPR/AED for the Professional Rescuer and First Aid Responding to Emergencies Certification.
2. Record of annual physical.
3. Record of immunizations.
4. Technical standards signed.
5. Student liability insurance.
6. Health insurance.
7. Background check.

All of the Following Requirements Must Be Met for Student Progression in the Program

1. Students must maintain a total institution GPA of 2.50 or better on all course work.
2. Students must successfully complete all clinical field experiences related to course content and objectives.

- Students must adhere to the ATEP dress code.
- Students must provide their own transportation for off campus experiences.
- Students must not have been found in violation of the Georgia Southern Student Conduct Code. Students found in violation of the Student Conduct code, may, depending upon the seriousness of the violation, be placed on program probation or dismissed from the program.
- Students must not violate the NATA Code of Ethics for practicing athletic trainers. Students found in violation of the Code of Ethics will be dismissed from the program.

Other Program Requirements

Students are responsible for:

- Transportation for off-campus clinical sites.
- The purchase of their uniforms.
- The cost of a background check.
- Maintaining personal health and liability insurance.
- Additional expenses may include the cost of professional dues and the Board of Certification Examination.

Transfer Student Admission Into the Athletic Training Major

Prospective students who wish to transfer to Georgia Southern University and pursue a degree in Athletic Training must apply for the program and submit to the same selection process as other candidates. Please refer to application for prerequisites. Acceptance of transfer prerequisite or regular course work is subject to the approval of the Registrar's Office and the Program Director pending review of content (syllabus, course description, etc.). Other courses may be counted toward the degree requirements for Athletic Training; however, every student must take the following courses at Georgia Southern University in order to receive a degree in Athletic Training:

		Credit Hours
KINS 2321	Clinical Skills in Athletic Training I	2
KINS 2322	Clinical Skills in Athletic Training II	2
KINS 3541	Structural Kinesiology	4
KINS 3321	Clinical Applications in Athletic Training I	2
KINS 3322	Clinical Applications in Athletic Training II	2
KINS 3330	Prevention of Injury and Illness in Athletic Training	3
KINS 3331	Pathology and Care of Athletic Injury and Illness	3
KINS 4330	Evaluation of Lower Extremity Injuries	3
KINS 4331	Evaluation of Upper Extremity Injuries	3
KINS 4332	Therapeutic Modalities in Athletic Training	3
KINS 4333	Therapeutic Exercise and Rehabilitation	3
KINS 4334	General Medical and Pharmacological Issues in Athletic Training	3
KINS 4618	Senior Seminar in Athletic Training	1
KINS 4721	Clinical Practicum in Athletic Training I	2
KINS 4722	Clinical Practicum in Athletic Training II	2

Clinical experiences obtained outside of Georgia Southern University Athletic Training Education Program will not be accepted.

An athletic trainer is a qualified allied health care professional educated and experienced in the management of health care problems associated with physical activity. In cooperation with physicians and other allied health care personnel, the athletic trainer functions as an integral member of the health care team in secondary schools, colleges and universities, professional sports programs, sports medicine clinics, and/or other health care settings. The athletic trainer functions in cooperation with medical personnel, athletic personnel, individuals involved in physical activity, parents, and guardians in the development and coordination of efficient and responsive athletic health care delivery systems. The athletic trainer's professional preparation is directed toward the development of specified competencies in the following domains: risk management and injury prevention, pathology of injuries and illnesses, assessment and evaluation, acute care of injury and illness, pharmacology, therapeutic modalities, therapeutic exercise, general medical conditions and disabilities, nutritional aspects of injury and illness, psychosocial intervention and referral, health care administration, professional development and responsibilities. Through a combination of formal classroom instruction and clinical experience, the athletic trainer is prepared to apply a wide variety of specific health care skills and knowledge within each of the domains. For additional information, contact the Department of Health & Kinesiology, College of Health and Human Sciences, 2115 Hollis Building, (912) 478-0200.

Advisement

Contact the College of Health and Human Sciences Student Services Center, Room 0101, Hollis Building, (912) 478-1931.

Exercise Science B.S.K.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
KINS 2511 Human Anatomy and Physiology I Laboratory	1
KINS 2512 Human Anatomy and Physiology II Laboratory	1
KINS 2531 Human Anatomy and Physiology I	3
KINS 2532 Human Anatomy and Physiology II	3
NTFS 2530 Nutrition and Health	3
MATH 1112 Trigonometry ¹	0-3
PHYS 1111 Introduction to Physics I ²	0-3
PHYS 1113 Physics Lab I	0-1
Guided Electives	0-8

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (57 Credit Hours)

KINS 2535	Introduction to Exercise Science	3
KINS 3130	Research Methods in Kinesiology	3
KINS 3132	Foundations of Exercise and Sport Psychology	3
KINS 3230	Motor Control, Coordination, and Skill	3
KINS 3541	Structural Kinesiology	4
KINS 3542	Physiological Aspects of Exercise	4
KINS 3543	Biomechanical Analysis of Movement	4
KINS 4130	Administrative Principles in Kinesiology	3
KINS 4231	Fitness Evaluation and Exercise Prescription	3
KINS 4799	Internship in Exercise Science ³	12

Select 15 credit hours from the following Guided Electives: 15

KINS 3426	Coaching Baseball and Softball	
KINS 3427	Coaching Basketball	
KINS 3428	Coaching Football	
KINS 3429	Coaching Olympic Sports	
KINS 3330	Prevention of Injury and Illness in Athletic Training	
KINS 3331	Pathology and Care of Athletic Injury and Illness	
KINS 3430	Principles of Coaching	
KINS 3431	Psychology of Coaching	
KINS 4330	Evaluation of Lower Extremity Injuries	
KINS 4331	Evaluation of Upper Extremity Injuries	
KINS 4332	Therapeutic Modalities in Athletic Training	
KINS 4333	Therapeutic Exercise and Rehabilitation	
KINS 4420	Sport Conditioning Laboratory	
KINS 4421	Principles of Officiating	
KINS 4730	Coaching Practicum	
NTFS 2534	Introductory Food Science	
NTFS 2535	Nutrition and Diet Therapy	
NTFS 3534	Human Nutrition	
NTFS 3535	Life Cycle Nutrition	
NTFS 3630	Sports Nutrition	
NTFS 4535	Community Nutrition	
NTFS 4539	Issues and Trends in Food Science	
NTFS 4899	Directed Individual Study	
PSYC 3334	Social Psychology	
PSYC 3335	Personality Psychology	
PSYC 4430	Cognitive Psychology	
PSYC 4431	Motivation and Emotion	
PSYC 5230	Health Psychology	
PSYC 5430	Physiological Psychology	
PUBH 2130	Foundation of Health Education and Promotion	
PUBH 3230	Community Health	
PUBH 3231	Epidemiology and Biostatistics	
SMGT 2130	Introduction to Sport Management	

SMGT 2230	Social Issues of Sport	
SMGT 3230	Economics of Sport	
SMGT 4330	Facility and Event Management	
SMGT 4336	Sport Business Operations	
SMGT 4337	Legal Aspects of Sport	

Elective (3 Credit Hours)

Select 3 credit hours of Electives		3
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Total Credit Hours 126

- If taken in Area A2 or D, use Fundamentals to complete Area F, Guided Electives.*
- If Introduction to Physics I (PHYS 1111)/Physics Lab I (PHYS 1113) taken in Area D, then Principles of Chemistry I (CHEM 1145) or Principles of Chemistry II (CHEM 1146) required in Area F, Guided Electives.*
- Students can substitute courses for the internship with approval of the Undergraduate Exercise Science Program Coordinator.*

Program Admission Criteria

- Admission to Georgia Southern University
- A total institution GPA of 2.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered)
- Completed a minimum of 30 credit hours
- A minimum grade of "C" in all Area D and F course work attempted

Program Progression Requirements

- Students must earn a minimum grade of "C" in all courses in Area F and within the major requirements, including guided major electives.
- Students must also earn a minimum grade of "C" in a prerequisite course prior to registering for an advanced course.

Note: Exercise Science Majors must complete Fundamentals to include:

		Credit Hours
MATH 1112	Trigonometry	3
CHEM 1145	Principles of Chemistry I	4
CHEM 1146	Principles of Chemistry II	4
PHYS 1111 & PHYS 1113	Introduction to Physics I and Physics Lab I	4

Students not able to complete Fundamentals in Areas A2, D, and F will take these courses as part of their Guided Major Electives. Students may elect to substitute Calculus I (MATH 1441) and Principles of Physics I (PHYS 2211) for Fundamentals with advisor approval. Students should take Introduction to Psychology (PSYC 1101) as one of their courses to complete Area E requirements.

Advisement

Contact the College of Health and Human Sciences Student Services Center, Room 0101, Hollis Building, (912) 478-1931, for information regarding advisement and registration.

Nutrition and Food Science B.S.**Degree Requirements: 126 Credit Hours**

See Core Curriculum for required courses in Area A1 through Area E.

Credit Hours

Area A1 - Communication Skills (6 Credit Hours)

Select 6 credit hours from Area A1 of the Core Curriculum	6		
Area A2 - Quantitative Skills (3 Credit Hours)			
Select 3 credit hours from Area A2 of the Core Curriculum	3		
Area B - Global Engagement (4 Credit Hours)			
Select 4 credit hours from Area B of the Core Curriculum	4		
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)			
Select 6 credit hours from Area C of the Core Curriculum	6		
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)			
Select 11 credit hours from Area D of the Core Curriculum	11		
Area E - Social Sciences (12 Credit Hours)			
Select 12 credit hours from Area E of the Core Curriculum	12		
Area F - Courses Appropriate to Major (18 Credit Hours)			
ACCT 2030	Survey of Accounting	3	
CHEM 1146	Principles of Chemistry II	4	
NTFS 2534	Introductory Food Science	3	
Restricted electives (If not taken in area D or E) ¹		4-8	
KINS 2531 & KINS 2511	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory		
KINS 2532 & KINS 2512	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory		
PSYC 1101	Introduction to Psychology		
STAT 2231	Introduction to Statistics I		
Health and Physical Education Activities (4 Credit Hours)			
HLTH 1520	Healthful Living	2	
Physical Education Activities		2	
Orientation (2 Credit Hours)			
FYE 1220	First-Year Seminar	2	
Nutrition and Food Science Core (36 Credit Hours)			
BIOL 2240	Microbiology	4	
CHEM 3341	Organic Chemistry I	4	
CHEM 3342	Organic Chemistry II	4	
CHEM 3530	Principles of Biochemistry	3	
HLTH 2510	Medical Terminology	1	
NTFS 2514	Professional Practice Strategies	1	
NTFS 3534	Human Nutrition	3	
NTFS 3535	Life Cycle Nutrition	3	
NTFS 3536	Meal Management	3	
NTFS 4534	Medical Nutrition Therapy I	3	
NTFS 4536	Metabolic Nutrition	3	
NTFS 4538	Medical Nutrition Therapy II	3	
NTFS 4610	Nutrition and Food Science Senior Seminar	1	
Areas of Emphasis (18 Credit Hours)			
Select one of the following areas:		18	
Dietetics Emphasis:			
NTFS 3537	Advanced Food Science		
NTFS 3538	Quantity Food Systems Administration		
NTFS 3730	Quantity Food Practicum		
NTFS 4535	Community Nutrition		
NTFS 4537	Experimental Food Science		
Restricted Electives ¹			
KINS 2531 & KINS 2511	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory		
KINS 2532 & KINS 2512	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory		
PSYC 1101	Introduction to Psychology		
STAT 2231	Introduction to Statistics I		
Community Nutrition Emphasis:			
NTFS 4535	Community Nutrition		
NTFS 4630	Cultural Foods		
PUBH 2130	Foundation of Health Education and Promotion		
PUBH 3230	Community Health		
PUBH 4134	Research Methods and Evaluation in Health Education and Promotion		
Select 3 credit hours from the following Guided Electives:			
NTFS 3630	Sports Nutrition		
NTFS 4899	Directed Individual Study		
PUBH 3131	Chronic Diseases: A Modern Epidemic		
PUBH 3231	Epidemiology and Biostatistics		
PUBH 3330	Modifying Health Behaviors		
PUBH 4230	Maternal and Child Health		
PUBH 4231	Health Aspects of Aging		
PUBH 4330	Promotional Strategies for Health Programs		
Food Science/Food Systems Administration:			
MKTG 3131	Principles of Marketing		
NTFS 3537	Advanced Food Science		
NTFS 3538	Quantity Food Systems Administration		
NTFS 3730	Quantity Food Practicum		
NTFS 4537	Experimental Food Science		
Select 3 credit hours from the following Guided Electives:			
BUSA 3131	Business Statistics		
BUSA 3132	Applied Statistics and Optimization		
BUSA 3134	Accounting for Management		
CISM 2530	Advanced Business Applications		
MGNT 3334	Human Resource Management		
MGNT 4333	Human Resource Information Systems		
NTFS 4535	Community Nutrition		
NTFS 4539	Issues and Trends in Food Science		
NTFS 4630	Cultural Foods		
NTFS 4899	Directed Individual Study		
Elective (3 Credit Hours)			
Select 3 credit hours of Electives		3	
Foreign Language Requirement or "Significant International Content" course (3 Credit Hours)			
Select one Foreign Language Requirement or "Significant International Content" course		3	
Total Credit Hours			126

¹ Any of these courses not taken in the Core or in Area F should be taken in the Non-Major Requirements area. Any available credit hours beyond these may be taken as Free Electives.

Program Admission Criteria

- 2.0 GPA for Community Nutrition and Food Science/Food Service Administration Emphases.
- See below for admission criteria for the Dietetics Emphasis.

Program Progression Requirements

- Students must earn a minimum grade of "C" in all courses in Area F and within the major including non-major requirements.
- Students must also earn a minimum grade of "C" in a prerequisite course prior to registering for an advanced course.
- See below for additional program progression requirements for the Dietetics Emphasis.

Note: Nutrition and food science students who transfer courses in with less than a "C" grade may be required to repeat those courses to meet prerequisite and major requirements.

Initially accredited Didactic Program in Dietetics (DPD), Accreditation Council for Education in Nutrition and Dietetics (ACEND), Academy of Nutrition and Dietetics (AN&D),

American Dietetic Association
120 S. Riverside Plaza, Suite 2000
Chicago, IL 60606-6995
Phone: (800) 877-1600
Web: <http://www.eatright.org>

Dietetics Emphasis (Didactic Program in Dietetics) Admission Criteria

- Attain admission to Georgia Southern University.
- Have a minimum of second semester sophomore status (45 credit hours completed) upon applying for the program.
- Achieve a minimum total overall institution GPA of 3.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered).
- Complete a minimum of the following courses with a minimum grade of "C":

		Credit Hours
ACCT 2030	Survey of Accounting	3
CHEM 1145	Principles of Chemistry I	4
KINS 2531 & KINS 2511	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	4
NTFS 2514	Professional Practice Strategies	1
NTFS 2534	Introductory Food Science	3
NTFS 3534	Human Nutrition	3
STAT 2231	Introduction to Statistics I	3

- Students transferring in from an ACEND-accredited Didactic Program in Dietetics from another school are required to have their transcript(s) evaluated by the Didactic Program in Dietetics (DPD) Director who is responsible for determining which dietetics courses remain to be taken and which dietetics courses receive transfer credit hour. Adequate time must be allowed for scheduling, review and notification. Students from other institutions are bound by admission and progression requirements of the Dietetics program at Georgia Southern University.

Application Process for Admission to the Dietetics Emphasis (Didactic Program in Dietetics)

Admission to the program is made for the Fall semester. The following completed Admission Package must be turned in to the DPD Director in order for the candidate to be considered:

1. Official Application
2. Letter of Intent
3. Verification of grades with official transcripts of all schools attended including this university (WINGS accepted); mid-term verification of grades for all required courses in process. (Students in the process of taking any of the prerequisite courses for the emphasis will be required to submit a mid-term grade from the professor. Final acceptance into the program is contingent upon the final grade received in the courses.)
4. Completion of an interview with Didactic Program in Dietetics faculty, basic nutritional math skills examination, and nutrition-related language skills writing assessment.

****MEETING MINIMUM REQUIREMENTS IS NOT A GUARANTEE OF ACCEPTANCE INTO THE PROGRAM.**

Application deadline: February 15th (If this date falls on a weekend or holiday then the application is due on the next working day.)

Program Progression Requirements

1. Students must earn a minimum grade of "C" in all courses within the major requirements including remaining Area F courses.
2. Students must maintain a 2.8 total institution overall GPA. An admitted student whose total institution GPA falls below 2.8 will be on probation for one semester. If the student's GPA remains below 2.8 after the probation semester, the student will be dropped from the program. The student may be re-admitted to the program only by the application process outlined above.
3. Students must complete the courses in sequence and complete all prerequisites. If a course is dropped or failed, then the student will be out of sequence and graduation will be delayed. These students may have to reapply to the dietetics emphasis depending on circumstances, availability of space, and time elapsed between classes.
4. Majors that drop from the program due to personal reasons and wish to reapply at a later date must have courses and skills reevaluated to determine eligibility for the current curriculum and program.

Note: Students transferring into the Nutrition and Food Science: Dietetics Emphasis from other majors or NTFS emphases may not be able to graduate necessarily within the traditional four-year period. In addition, students who transfer in with less than a "C" grade will be required to repeat those courses to meet prerequisite and major requirements.

Advisement

Contact the College of Health and Human Sciences Student Services Center, Room 0101, Hollis Building, (912) 478-1931, for information regarding admission and advisement.

Sport Management B.S.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

Credit Hours

Area A1 - Communication Skills (6 Credit Hours)

Select 6 credit hours from Area A1 of the Core Curriculum	6	HLTH 1520	Healthful Living	2
Area A2 - Quantitative Skills (3 Credit Hours)			Physical Education Activities	2
Select 3 credit hours from Area A2 of the Core Curriculum	3		Orientation (2 Credit Hours)	
Area B - Global Engagement (4 Credit Hours)		FYE 1220	First-Year Seminar	2
Select 4 credit hours from Area B of the Core Curriculum	4		Major Requirements (36 Credit Hours)	
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		SMGT 3230	Economics of Sport	3
Select 6 credit hours from Area C of the Core Curriculum	6	SMGT 3236	Financial Management of Sport	3
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		SMGT 3238	Management of Sport Organizations	3
Select 11 credit hours from Area D of the Core Curriculum	11	SMGT 3330	Sport Promotion and Marketing	3
Area E - Social Sciences (12 Credit Hours)		SMGT 4330	Facility and Event Management	3
Select 12 credit hours from Area E of the Core Curriculum	12	SMGT 4336	Sport Business Operations	3
Area F - Courses Appropriate to Major (18 Credit Hours)		SMGT 4337	Legal Aspects of Sport	3
ACCT 2030	3	SMGT 4338	Sport Policy Development	3
SMGT 2130	3	SMGT 4735	Sport Management Internship	12
SMGT 2230	3		Non-Sport Management Courses (18 Credit Hours)	
STAT 2231	3		Business Minor (12 Credit Hours)	
Select 3 credit hours from the following:	3	BUSA 3134	Accounting for Management	3
CISM 1120		orFINC 3131	Principles of Corporate Finance	
&CISM 1110		MGNT 3130	Principles of Management	3
CISM 2530		MGNT 3134	Behavior in Organizations	3
Select 3 credit hours from the following Guided Electives:	3	MKTG 3131	Principles of Marketing	3
ANTH 1102			Select 6 credit hours from the following Guided Electives:	6
ART 1000			Note: Only one SMGT course may be used as a Guided Elective.	
ASTR 1000		GCM 1321	Desktop Publishing	
BIOL 1331		MMJ 2331	Introduction to Journalism	
BIOL 1335		MMJ 3331	News Reporting and Writing	
BUSA 1105		MMJ 3332	Feature Writing	
BUSA 1131		MMJ 4333	Opinion Journalism	
COMM 1110		MMJ 4336	Online Journalism	
ECON 2106		KINS 3426	Coaching Baseball and Softball	
Foreign Language 1001 - Elementary I		KINS 3427	Coaching Basketball	
Foreign Language 1002 - Elementary II		KINS 3428	Coaching Football	
Foreign Language 2001 - Intermediate I		KINS 3429	Coaching Olympic Sports	
Foreign Language 2002 - Intermediate II		KINS 3430	Principles of Coaching	
Foreign Language 1060 - Accelerated Elementary (3 Credit Hours to Area C)		KINS 3431	Psychology of Coaching	
Foreign Language 2060 - Accelerated Intermediate (3 Credit Hours to Area C)		KINS 4420	Sport Conditioning Laboratory	
GEOG 1130		KINS 4421	Principles of Officiating	
GEOL 1430		KINS 4730	Coaching Practicum	
MATH 1112		MGNT 3234	Entrepreneurship	
MATH 1232		MGNT 4234	Small Business Management	
MUSC 1100		MKTG 3132	Principles of Advertising	
PHIL 2010		MKTG 3133	Professional Selling	
PHYS 1135		MKTG 3134	Business Marketing	
PSYC 1101		MKTG 4135	Buyer Behavior	
RELS 2130		MKTG 4137	Marketing Management	
SOCI 1101		MMFP 2335	Introduction to Media Writing	
TCGT 1530		RECR 4435	Managing Recreation Organizations	
THEA 1100		SMGT 4090	Selected Topics in Sport Management	
Health and Physical Education Activities (4 Credit Hours)		SMGT 4630	Baseball and American Culture	
			Foreign Language Requirement or "Significant International Content" course (3 Credit Hours)	
			Select one Foreign Language Requirement or "Significant International Content" course	3
			Elective (3 Credit Hours)	

Select 3 credit hours of Electives	3
Total Credit Hours	126

Program Admission Criteria

- Students must have a 2.25 GPA for admission to the degree program.
- Students must have completed all Area F requirements with a minimum grade of "C" before admission to the program.
- Students must have an overall 2.25 GPA to enroll in the internship.

Program Progression Requirements

- Students must earn minimum grade of "C" in all Area F courses and within the major requirements, including guided electives.

Advisement

Contact the College of Health and Human Sciences Student Services Center, Hollis Building, Room 0101, (912) 478-1931 for more information regarding admission and advising requirements.

Athletic Training Minor

Contact

Chair, School of Health and Kinesiology
Hollis Building, Room 2115
(912) 478-0200

Prerequisite(s)

(Must earn a minimum grade of "C")

		Credit Hours
KINS 2531	Human Anatomy and Physiology I	3
KINS 2511	Human Anatomy and Physiology I Laboratory	1
KINS 2532	Human Anatomy and Physiology II	3
KINS 2512	Human Anatomy and Physiology II Laboratory	1
PHYS 1111	Introduction to Physics I	3
PHYS 1113	Physics Lab I	1
Total Credit Hours		12

Minor Program

		Credit Hours
KINS 3330	Prevention of Injury and Illness in Athletic Training	3
KINS 3331	Pathology and Care of Athletic Injury and Illness	3
KINS 4330	Evaluation of Lower Extremity Injuries	3
KINS 4331	Evaluation of Upper Extremity Injuries	3
Select one of the following:		3
KINS 4332	Therapeutic Modalities in Athletic Training	
KINS 4333	Therapeutic Exercise and Rehabilitation	
Total Credit Hours		15

The Athletic Training Minor is open to any student interested in athletic training.

Exercise Science Minor

Contact

Chair, School of Health and Kinesiology
Hollis Building, Room 2115
(912) 478-0200

Prerequisites

(Apply to Option 1 ONLY)

A minimum grade of "C" in:

		Credit Hours
KINS 2531	Human Anatomy and Physiology I	3
KINS 2511	Human Anatomy and Physiology I Laboratory	1
KINS 2532	Human Anatomy and Physiology II	3
KINS 2512	Human Anatomy and Physiology II Laboratory	1
PHYS 1111	Introduction to Physics I	3
PHYS 1113	Physics Lab I	1
PSYC 1101	Introduction to Psychology	3
Total Credit Hours		15

Minor Program

OPTION 1 - Exercise Behavior Emphasis Requirements

		Credit Hours
KINS 3132	Foundations of Exercise and Sport Psychology	3
KINS 3541	Structural Kinesiology	4
KINS 3542	Physiological Aspects of Exercise	4
KINS 3543	Biomechanical Analysis of Movement	4
KINS 3230	Motor Control, Coordination, and Skill	3
orKINS 4231	Fitness Evaluation and Exercise Prescription	
Total Credit Hours		18

OPTION 2 - Coaching Behavior Emphasis Requirements

		Credit Hours
KINS 3430	Principles of Coaching	3
KINS 3431	Psychology of Coaching	3
KINS 4420	Sport Conditioning Laboratory	2
KINS 4730	Coaching Practicum	3
Select two of the following:		4
KINS 3426	Coaching Baseball and Softball	
KINS 3427	Coaching Basketball	
KINS 3428	Coaching Football	
KINS 3429	Coaching Olympic Sports	
KINS 4421	Principles of Officiating	
Total Credit Hours		15

The Exercise Science Minor is open to any student interested in exercise science. Students can choose between two emphases: exercise behavior or coaching behavior.

Nutrition and Food Science Minor

Contact

Chair, School of Health and Kinesiology
Hollis Building, Room 2115
(912) 478-0200

Minor Program

		Credit Hours
NTFS 2534	Introductory Food Science	3
NTFS 2530	Nutrition and Health	3
orNTFS 2535	Nutrition and Diet Therapy	
Select three of the following:		9
NTFS 3535	Life Cycle Nutrition	
NTFS 3630	Sports Nutrition	
NTFS 3631	Sustainable Foods	
NTFS 4195S	International Studies Abroad in Health and Kinesiology	
NTFS 4535	Community Nutrition	
NTFS 4630	Cultural Foods	
NTFS 4899	Directed Individual Study	
Total Credit Hours		15

The Nutrition and Food Science Minor is open to any student interested in Nutrition and Food Science.

School of Human Ecology

The School of Human Ecology has a long history of serving a diverse cross-section of the public through its programs, centers, laboratories, and community involvement. The faculty share in an **network of responsibility** that provides students with a basis for reinterpreting the traditions of Human Ecology to meet the current and future challenges in their families, communities, and the marketplace. At the core of instruction is the faculty's concern for the student's professional growth, leadership development, ethical awareness, and well being as **productive citizens**.

Applied learning is the hallmark of all majors in Human Ecology. The strength of the curriculum is the multi-disciplinary foundation of each of the specialties that come together with a coordinated and integrated focus. Students will develop as professionals, providing **leadership in a diverse, global marketplace** which emphasizes technical, interpersonal, and people management skills. The integration of the disciplines within Human Ecology will empower students to enhance the **well-being of individuals, families, and communities**.

Human Ecology Majors

- Child and Family Development B.S. (p. 154)
- Fashion Merchandising and Apparel Design B.S. (p. 155)
- Interior Design B.S. (p. 156)
- Recreation B.S. (p. 157)

Human Ecology Minors

- Child and Family Development (p. 159)
- Fashion Merchandising and Apparel Design (p. 159)
- Recreation and Tourism Management (p. 159)

Child and Family Development B.S.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
CHFD 1131 Introduction to Family Science	3
CHFD 2130 Family Economic Environment	3
CHFD 2135 Child Development	3
CHFD 2136 Intro to Family Services	3
CISM 1110 Computer Applications	3
&CISM 1120 and Computer Concepts	
orCOMM 1110 Principles of Public Speaking	
PSYC 1101 Introduction to Psychology	3
orSOC 1101 Introduction to Sociology	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Child and Family Development Core	
	27-30
CHFD 3131 Birth to 5 Methods	
CHFD 3133 Diversity in Human Development	
CHFD 3135 Youth Development	
CHFD 3136 Adult Development and Later Life	
CHFD 3139 Parent Education and Guidance	
CHFD 4138 Professional Development	
CHFD 4790 Internship in Child and Family Development	
Areas of Emphasis (21 Credit Hours)	
Select one of the following areas:	21
Child Development Emphasis:	
CHFD 3234 Young Children with Special Needs	
CHFD 3137 Introduction to Child Life	
orCHFD 4237 Legal and Public Policies Affecting Families	
CHFD 4130 Administration of Programs for Children and Families	
CHFD 4131 Teaching in Preschool	
CHFD 4136 Assessment of Children	

Select 6 credit hours from the following Guided Electives:	
CHFD 2137	Lifespan Development
CHFD 3130	Research Methods
CHFD 3232	Sexuality in Human Development
CHFD 4134	Family Life Education
RECR 2131	Introduction to Therapeutic Recreation
RECR 4135	Therapeutic Recreation Intervention Techniques
SOCI 4231	Child Welfare and Family Services
SOCI 4232	Social Welfare Policy and Services

Child Life Emphasis:

CHFD 3137	Introduction to Child Life
CHFD 4132	Death and Bereavement across the Lifespan
CHFD 4136	Assessment of Children
CHFD 4238	Child Life Practice in Healthcare
NURS 5131	Scientific and Medical Terminology

Select 6 credit hours from the following Guided Electives:

CHFD 2137	Lifespan Development
CHFD 3130	Research Methods
CHFD 3234	Young Children with Special Needs
CHFD 4131	Teaching in Preschool
RECR 2131	Introduction to Therapeutic Recreation
RECR 4135	Therapeutic Recreation Intervention Techniques

Family Services Emphasis:

CHFD 3232	Sexuality in Human Development
CHFD 4133	Programming and Evaluation for Family Services
CHFD 4134	Family Life Education
CHFD 4237	Legal and Public Policies Affecting Families
SOCI 4231	Child Welfare and Family Services
or SOCI 4232	Social Welfare Policy and Services

Select 6 credit hours from the following Guided Electives:

CHFD 2137	Lifespan Development
CHFD 3130	Research Methods
CHFD 3234	Young Children with Special Needs
CHFD 4132	Death and Bereavement across the Lifespan
PSYC 3330	Abnormal Psychology
SOCI 4138	Sociology of the Family

Foreign Language Requirement or “Significant International Content” course

Select one Foreign Language Requirement or “Significant International Content” course **3**

Elective **3-9**

Select 3 - 9 credit hours of Electives

Total Credit Hours **126**

Program Admission Criteria

- Admission to Georgia Southern University
- A total institution GPA of 2.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered)

- Completed a minimum of 30 credit hours
- A minimum grade of “C” in all Area F course work attempted
- Completion of criminal background check and finger printing procedure.

Program Progression Requirements

- Students must earn a minimum grade of “C” in all courses in Area F, the Child and Family Development Core, the selected emphasis area, and guided major electives.
- Students must also earn a minimum grade of “C” in a prerequisite course prior to registering for an advanced course.
- Students must have a 2.25 total institution GPA the semester prior to applying for the Internship in Child and Family Development (CHFD 4790). Students who do not meet the 2.25 GPA requirements must complete twelve (12) credit hours approved course work as substitute for the internship with advisor approval..

Advisement

Contact the College of Health and Human Sciences Student Services Center, Room 0101, Hollis Building, (912) 478-1931, for information regarding admission and advisement.

Fashion Merchandising and Apparel Design B.S.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ACCT 2030 Survey of Accounting	3
CISM 1110 Computer Applications ¹	1
CISM 1120 Computer Concepts ¹	2
FMAD 1234 Apparel I	3
FMAD 2220 Understanding Aesthetics	2
FMAD 2230 Social and Psychological Aspects of Clothing	3
FMAD 2610 Professional Seminar	1
TCGT 1530 - Global Sustainability and Innovation (3) OR significant international content course (see catalog) may be taken if TCGT 1530 was taken in other areas of the core	3

Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Major Requirements (27 Credit Hours)		
FMAD 3231	Fashion Fundamentals	3
FMAD 3234	Textiles	3
FMAD 3235	History of Costume	3
FMAD 3237	Apparel Analysis	3
FMAD 4235	Computer-Aided Design	3
FMAD 4790	Internship in FMAD	12
FMAD Major Electives (3 Credit Hours)		
Select one of the following:		3
FMAD 3232	Principles of Merchandising	
FMAD 3236	Apparel II	
FMAD 3239	Fashion Illustration	
FMAD 4236	Fashion Study Tour	
FMAD Restricted Emphasis (12 Credit Hours)		
Select one area:		12
Design Emphasis:		
FMAD 3236	Apparel II	
FMAD 4231	Apparel Design Analysis I	
FMAD 4232	Apparel Design Analysis II	
Merchandising Emphasis:		
FMAD 3232	Principles of Merchandising	
FMAD 3233	Visual Merchandising	
FMAD 3239	Fashion Illustration	
FMAD 4234	Fashion Presentation and Promotion	
Non-Major Requirements (12 Credit Hours)		
Students will select 12 credit hours of upper level courses from approved elective courses, course for approved minors, or those approved by advisor.		12
Foreign Language Requirement or "Significant International Content" course (3 Credit Hours)		
Select one Foreign Language Requirement or "Significant International Content" course		3
Elective (3 Credit Hours)		
Select 3 credit hours of Electives		3
Total Credit Hours		126

¹ Public Speaking or Foreign Language required if taken in Area D

Advisement

Contact the College of Health and Human Sciences Student Services Center, Room 0101, Hollis Building, (912) 478-1931, for information regarding admission and advisement.

Interior Design B.S.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	

Select 3 credit hours from Area A2 of the Core Curriculum	3	
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum	4	
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum	6	
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum	11	
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum	12	
Area F - Courses Appropriate to Major (18 Credit Hours)		
ART 1010	Drawing I	3
ART 1020	Two Dimensional Design	3
ART 1030	Three Dimensional Design	3
ARTH 2531	Art History I	3
INDS 2430	Design Appreciation	3
TCGT 1530	Global Sustainability and Innovation	3
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Major Requirements (51 Credit Hours)		
INDS 2435	Design Studio I	3
INDS 2436	Interior Materials and Systems	3
INDS 2437	Interior Design CAD I	3
INDS 3238	Textiles for Interiors	3
INDS 3530	Sustainable Materials and Methods for the Interior Environment	3
INDS 3431	History of Interiors	3
INDS 3434	Lighting	3
INDS 3435	Design Studio II	3
INDS 3436	Design Studio III	3
INDS 3437	Interior Design CAD II	3
INDS 3438	Professional Practices I	3
INDS 4430	Digital Presentation and Communication	3
INDS 4434	Professional Practices II	3
INDS 4435	Design Studio IV	3
INDS 4427	Interior Design Portfolio	2
INDS 4446	Design Studio V	4
INDS 4790	Interior Design Internship	3
Other Requirements (3 Credit Hours)		
TCM 3333	Building Codes	3
Elective (3 Credit Hours)		
Select 3 credit hours of Electives	3	
Foreign Language Requirement or "Significant International Content" course (3 Credit Hours)		
Select one Foreign Language or "Significant International Content" course	3	
Total Credit Hours		126

Program Admission Requirements in Interior Design

Minimum Program Admission Criteria

In order to be considered for admission into the Interior Design Program, the applicants must meet the following minimum requirements:

1. Attain admission to Georgia Southern University.
2. Declare Pre-Interior Design (INDS) as a major. Until students meet admission criteria and are admitted into the Interior Design Program, they will be considered "Pre-INDS" majors and will be advised in the College of Health and Human Sciences Student Services Center. Designation as a Pre-INDS major is separate from the application process and does not guarantee acceptance into the Interior Design Program.
3. If a student is a declared major in an area other than interior design, he/she must complete the change of major form online. This form will initiate the process for getting student's current advisement records and folder sent to the CHHS advising center.
4. Have a minimum of first semester sophomore status (30 credit hours completed) upon applying for the program.
5. Achieve a minimum total overall institution GPA of 2.25 or better on all course work attempted (**transfer course work and work completed at Georgia Southern University are considered**).
6. Complete the following Area F courses with a minimum grade of "C":

		Credit Hours
INDS 2430	Design Appreciation	3
Select 2 of the 3 ART courses in Area F:		6
ART 1010	Drawing I (preferred)	
ART 1020	Two Dimensional Design (preferred)	
ART 1030	Three Dimensional Design	

(Students may be enrolled in any of the above courses during the application semester.)

7. By the end of the first two semesters as a declared Pre-INDS major, students shall have:
 - a. Submitted copies of college transcripts for all work completed to date
 - b. Attended an orientation session with Interior Design Faculty (either Fall or Spring Semester of the first year as a Pre-INDS major).
8. Students transferring in with an Interior Design Major from other schools are required to have their portfolio and transcript(s) evaluated by the Interior Design Program Coordinator who is responsible for determining which design courses remain to be taken and which design courses are eligible to receive transfer credit hour. Adequate time must be allowed for scheduling, review and notification. Please contact the program coordinator to schedule an appointment.

**MEETING MINIMUM REQUIREMENTS IS NOT A GUARANTEE OF ACCEPTANCE INTO THE PROGRAM.*

Application for Admission to the Interior Design Program

The following completed Admission Package must be turned in by the application deadline in order for the candidate to be considered:

1. Official Application
2. Letter of Intent
3. Verification of grades with official transcripts of all schools attended including this university (WINGS accepted); mid-term verification of grades for all required courses in process. (Students may be in the process of taking Drawing I (ART 1010) or Two Dimensional Design

(ART 1020) and will be required to submit a mid-term grade from the professor. Final acceptance is contingent upon the final grade received in the course.)

4. Mid-term verification card: contains midterm grade verification and signature of professor for all Area F courses where student is enrolled in the same semester as application (final acceptance into the program is based on final grade in all currently enrolled course). Midterm grade cards can be obtained from the secretary in building 211.

Application Deadlines

Fall

- All applications are due by 4:30pm the Friday following the last day to withdraw (October)
- Students applying during the fall semester will begin the program and the first studio course the next consecutive semester (spring)

Spring

- All applications are due by 4:30pm the Friday following the last day to withdraw (March)
- Students applying during the spring semester will begin the program and the first studio course the next consecutive semester (fall)

Program Progression Requirements

Students must earn a minimum grade of "C" in all courses within the major requirements including remaining Area F courses.

1. Students must maintain a 2.25 total institution overall GPA. An admitted student whose total institution GPA falls below 2.25 will be on probation for one semester. If the student's GPA remains below 2.25 after the probation semester, the student will be dropped from the program. The student may be re-admitted to the program only by the application process outlined above.
2. Students must complete the courses in sequence and complete all prerequisites. If a course is dropped or failed, then the student will be out of sequence and graduation will be delayed. These students may have to reapply to the major depending on circumstances, availability of space, and time elapsed between classes.
3. Majors that drop from the program due to personal reasons and wish to reapply at a later date must have courses and skills reevaluated to determine eligibility for the current curriculum and program.

NOTE: Students transferring into the Interior Design major from other majors or from other institutions may not be able to graduate necessarily within the traditional four-year period.

For additional information, contact the College of Health and Human Sciences Student Services Center at (912) 478-1931 or the School of Human Ecology at (912) 478-5345.

The Interior Design Program is accredited by the Council for Interior Design Accreditation (CIDA) and the National Association of Schools of Art and Design (NASAD).

Recreation B.S.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	

Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
RECR 1530 Introduction to Recreation	3
RECR 2131 Introduction to Therapeutic Recreation ¹	3
orCHFD 2137 Lifespan Development	
RECR 2530 Leadership and Programming in Leisure Services	3
Select 6-9 credit hours from the following:	6-9
ACCT 2030 Survey of Accounting	
ANTH 1102 Introduction to Anthropology	
BIOL 2107 Principles of Biology I	
BIOL 2108 Principles of Biology II	
CHFD 2135 Child Development	
CISM 1120 Computer Concepts	
&CISM 1110 and Computer Applications	
COMM 2332 Media and Society	
CRJU 1100 Introduction to Criminal Justice	
GEOG 1101 Introduction to Human Geography	
GEOG 1130 World Regional Geography	
MMJ 2331 Introduction to Journalism	
POLS 2101 Introduction to Political Science	
PSYC 1101 Introduction to Psychology	
PUBH 2130 Foundation of Health Education and Promotion	
SMGT 2130 Introduction to Sport Management	
SOCI 1101 Introduction to Sociology	
STAT 2231 Introduction to Statistics I	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Major Requirements (27 Credit Hours)	
RECR 3236 Planning Recreations Areas and Facilities	3
RECR 4430 Financial and Legal Dimensions of Recreation	3
RECR 4435 Managing Recreation Organizations	3
RECR 4530 Marketing Recreation Services	3
RECR 4630 Professional Development in Recreation	3
RECR 4790 Internship	12
Areas of Emphasis (12 Credit Hours)	
Select one of the following areas:	12-16
Therapeutic Recreation:	

KINS 2531 Human Anatomy and Physiology I	
&KINS 2511 and Human Anatomy and Physiology I Laboratory	
RECR 3135 Program Planning in Therapeutic Recreation	
RECR 4130 Assessment and Documentation in Therapeutic Recreation	
RECR 4135 Therapeutic Recreation Intervention Techniques	
RECR 4730 Professional Advancement in Therapeutic Recreation	
Outdoor Recreation:	
RECR 3230 Adventure Education	
RECR 3235 Outdoor Recreation Management	
RECR 4230 Environmental Education and Interpretation	
Directed Upper Division Recreation Elective	
Tourism and Community Leisure Services:	
RECR 3335 Introduction to Tourism Management	
RECR 3430 Conference and Event Planning	
Directed Upper Division Recreation Elective	
Directed Upper Division Recreation Elective	
Non-Recreation Courses (15 Credit Hours)	
Suggested Minors or areas of interest include:	11-15
Anthropology, Biology, Business, Child and Family Development, Health Education and Promotion, Criminal Justice, Geography, Geographic Information Science, History, Hotel & Restaurant Management, Journalism, Kinesiology, Marketing, Management, Public Relations, Psychology, Regional Economic Development, Sociology, Sport Management	
Foreign Language Requirement or "Significant International Content" course (3 Credit Hours)	
Select one Foreign Language Requirement or "Significant International Content" course	3
Elective (3 Credit Hours)	
Select 3 credit hours of Electives	3
Total Credit Hours	126

¹ Therapeutic Recreation students MUST take both Introduction to Therapeutic Recreation (RECR 2131) and Lifespan Development (CHFD 2137)

Program Admission Criteria

- 2.0 GPA for Therapeutic Recreation, Outdoor Recreation, and Tourism and Community Leisure Services
- 2.00 GPA to enroll in Internship
- Students must have completed all of Area A1 and Area A2 requirements and Introduction to Recreation (RECR 1530) prior to admission to the program.

Other Program Requirements

- A minimum grade of "C" is required for each RECR or non-RECR course taken in Area F, Major Requirements, Areas of Emphasis, and Non-Recreation Courses.

Advisement

Contact the College of Health and Human Sciences Student Services Center, Hollis Building, Room 0101, (912) 478-1931 for more information regarding admission and advising requirements.

Child and Family Development Minor

Contact

Chair, School of Human Ecology
Interior Design Building, Room 1101
(912) 478-5345

Minor Program

	Credit Hours
CHFD 2135 Child Development	3
CHFD 1131 Introduction to Family Science	3
Select three of the following:	9
CHFD 3131 Birth to 5 Methods	
CHFD 3232 Sexuality in Human Development	
CHFD 3133 Diversity in Human Development	
CHFD 3135 Youth Development	
CHFD 3136 Adult Development and Later Life	
CHFD 3137 Introduction to Child Life	
CHFD 3139 Parent Education and Guidance	
Total Credit Hours	15

Additional Minor Requirements/Recommendations

Consultation with a CHFD faculty member

Fashion Merchandising and Apparel Design Minor

Contact

(912) 478-5345

Minor Program

	Credit Hours
FMAD 1234 Apparel I	3
or FMAD 2230 Social and Psychological Aspects of Clothing	
FMAD 3231 Fashion Fundamentals	3
FMAD 3234 Textiles	3
Select two of the following:	6
FMAD 3232 Principles of Merchandising	
FMAD 3233 Visual Merchandising	
FMAD 3235 History of Costume	
FMAD 3236 Apparel II	
FMAD 4231 Apparel Design Analysis I	
FMAD 4232 Apparel Design Analysis II	
FMAD 4234 Fashion Presentation and Promotion	
FMAD 4235 Computer-Aided Design	
FMAD 4236 Fashion Study Tour	
Total Credit Hours	15

Recreation and Tourism Management Minor

School of Human Ecology

Chair, School of Human Ecology
Interior Design Building, Room 1101
(912) 478-5345

Minor Program

	Credit Hours
RECR 1530 Introduction to Recreation	3
Select 15 credit hours from the following:	12
RECR 2131 Introduction to Therapeutic Recreation	
RECR 2530 Leadership and Programming in Leisure Services	
RECR 3135 Program Planning in Therapeutic Recreation	
RECR 3230 Adventure Education	
RECR 3235 Outdoor Recreation Management	
RECR 3236 Planning Recreations Areas and Facilities	
RECR 3335 Introduction to Tourism Management	
RECR 3337 International Tourism	
RECR 3430 Conference and Event Planning	
RECR 3530 Attraction and Tourism Management Field School	
RECR 4130 Assessment and Documentation in Therapeutic Recreation	
RECR 4135 Therapeutic Recreation Intervention Techniques	
RECR 4230 Environmental Education and Interpretation	
RECR 4430 Financial and Legal Dimensions of Recreation	
RECR 4435 Managing Recreation Organizations	
RECR 4530 Marketing Recreation Services	
RECR 4830 Selected Topics in Recreation	
Total Credit Hours	15

Additional Minor Requirements/Recommendations

Consultation with an RTM faculty member.

The Recreation and Tourism Management Minor is open to any student interested in the fields of community recreation, outdoor recreation, tourism management, or therapeutic recreation.

School of Nursing

One of the best nursing programs in Georgia, our nursing school at Georgia Southern is consistently ranked among the top nursing programs (<http://grad-schools.usnews.rankingsandreviews.com/best-graduate-schools/top-nursing-schools/nur-rankings>) in the nation by U.S. News & World Report.

Our accredited nursing college holds a tradition of excellence in undergraduate and graduate nursing degrees. For high school students

to the most advanced level of trained nurses, our programs provide the training needed for the highest quality of nursing care:

- Bachelor of Science in Nursing
- L.P.N.- B.S.N. Bridge
- R.N.-B.S.N. / R.N.-M.S.N. Bridge
- B.S.N to D.N.P (with M.S.N. opt out)
- Post-M.S.N. Certificate
- Post-M.S.N. to Doctor of Nursing Practice

Our graduate programs place us at the top of the list of Georgia nursing schools, boasting a passing rate of 99 percent on certification exams. We continue to break the barriers of nursing education, providing the training students need to pursue nursing and teaching careers.

Nursing Major

- Nursing B.S.N. (p. 160)

Nursing B.S.N.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
CHEM 1151 Survey of Chemistry I ¹	3
CHEM 1152 Survey of Chemistry II	4
Environmental Science/Lab	4
Area E - Social Sciences (12 Credit Hours)	
Elective	3
Select 9 additional credit hours from Area E of the Core Curriculum	9
Area F - Courses Appropriate to Major (18 Credit Hours)	
BIOL 2240 Microbiology	4
CHFD 2137 Lifespan Development	3
KINS 2511 Human Anatomy and Physiology I Laboratory	1
KINS 2512 Human Anatomy and Physiology II Laboratory	1
KINS 2531 Human Anatomy and Physiology I	3
KINS 2532 Human Anatomy and Physiology II	3
KINS 2533 Pathophysiology	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Major Requirements (57 Credit Hours)	

Select 57 credit hours of the following: 57

NURS 3121	Professional Practice Competencies and Terminology	
NURS 3139	Conceptual Basis of Nursing: Health Promotion Throughout Life (RN-BSN and RN-MSN students only)	
NURS 3140	Critical Inquiry: Nursing Research and Applied Statistics	
NURS 3160	Introduction to Professional Practice	
NURS 3163	Nursing Care of Adults	
NURS 3211	Pharmacologic and Integrative Therapeutics I	
NURS 3212	Pharmacologic and Integrative Therapeutics II	
NURS 3230	Health Assessment Across the Lifespan	
NURS 3252	Mental Health Nursing	
NURS 4090	Selected Topics in Nursing	
NURS 4132	Complementary Therapeutic Modalities (RN-BSN and RN-MSN/CNS students only)	
NURS 4133	Complex Nursing Concepts (RN-BSN and RN-MSN/CNS students only)	
NURS 4138	Nursing Leadership and Management: Health Promotion VIII	
NURS 4160	Nursing Leadership and Management: Principles and Practice (RN-BSN and RN-MSN students only)	
NURS 4211	Pharmacologic and Integrative Therapeutics III	
NURS 4212		
NURS 4229	Health Promotion: A Critical Analysis of Nursing Concepts	
NURS 4351	Nursing Care of Developing Families	
NURS 4352	Nursing Care of Children	
NURS 4353	Community Health Nursing	
NURS 4354	Advanced Nursing Care of Adults	
NURS 4728	Preceptorship	
NURS 4890	Independent Study	
Elective (3 Credit Hours)		
Carryover from Area D		1
Select 2 credit hours of Electives		2
Foreign Language - Optional		
Minor - Optional		
Total Credit Hours		126

¹ While Survey of Chemistry I (CHEM 1151) is 4 credit hours, only 3 credit hours will count toward fulfilling Area D. The remaining credit hour will be applied toward Electives.

Program Admission Criteria

BSN Program applicants must meet the University entrance requirements as described in the University Undergraduate Catalog. All applicants must apply for admission to both the University and the School of Nursing. Once admitted to the University, students should contact the Student Services Center or the School of Nursing for advisement. Requirements for admission into the School of Nursing are based on requirements in place at the time of application to the BSN Program. In order to be considered for admission to the BSN Program, prelicensure applicants must have met the following requirements:

1. Attained admission to Georgia Southern University.
2. Achieved a minimum cumulative grade point average of 3.0 or better on all attempted credit hours in the Core Curriculum in Areas A1-F. Those students who hold a B.A. or B.S. degree must have a *cumulative* GPA of 3.0 for all course work.
3. Completed a minimum of 45 credit hours of required course work with a minimum grade of "C".
4. Completed 16 credit hours of the 24 credit hours of required lab science course work, including 4 credit hours in Area F with a minimum grade of "C";
Note: The student's record of achievement in science and math courses will be an important consideration in the admission process.
5. Achieved a minimum score equivalent to or higher than the national passing score on the reading and math portions of the Admission Assessment Test (A²). The A² test scores must be submitted with the nursing application. Scores submitted for the A² Exam must reflect a test date no more than 12 months prior to application to the nursing program. (Contact the School of Nursing website for test dates, locations, and applicable fees.)
6. Returned the nursing application to the School of Nursing by the announced deadline.
7. For transfer students: Requested official transcript(s) for all college work attempted and assured that the transcripts have been received in the Admissions Office by the announced deadline.
8. Through the LPN-BSN Program, LPN students may be eligible to earn up to 9 credit hours by proficiency examination.

Applicants must have met the following requirements before enrollment in NURS 3160:

1. Maintained a minimum cumulative GPA of 3.0.
2. Earned a minimum grade of "C" in Area A courses, Lab Sciences, Statistics, Anatomy and Physiology I and II with Labs, Lifespan Human Growth and Development, Pathophysiology, and Microbiology.
Note: The student's record of achievement in science and math courses will be an important consideration in the admission process.
3. Met School of Nursing clinical course requirements, including:
 - a. health history and physical examination;
 - b. essential performance standards for nursing practice;
 - c. immunization requirements including measles, rubella, varicella, and hepatitis B;
 - d. tuberculosis screening;
 - e. current American Heart Association CPR for Health Care Providers' certification;
 - f. health professions student liability insurance; and
 - g. personal health insurance.
4. Participated in a School of Nursing orientation session.
5. For applicants holding a current valid health profession's license (e.g., LPN, EMT, RT, RD), provided proof of licensure.

Admission by Transfer

The School of Nursing at Georgia Southern University welcomes transfer students who meet the admission requirements and the following nursing transfer credit hour conditions. Credit hour for courses taken at schools other than Georgia Southern University will be considered on an individual basis using the following guidelines:

1. Transfer students must apply using the same admission criteria for application as all nursing applicants.
2. Transfer credit hours for non-nursing courses will be evaluated by the Admissions Department of the University.
3. Transfer credit hours for nursing courses will not be accepted.

4. Students having failures (C- or less) in previous nursing courses are not eligible for admission into the nursing program at Georgia Southern University.

RN Applicants (RN-BSN)

The BSN Program is a participant in the Georgia RN-BSN Articulation Model for registered nurses returning for the Bachelor of Science in Nursing (BSN) degree. After successful completion of 6 credit hours of specified junior level nursing courses, RN students will be awarded 29 credit hours in the nursing major. The following courses are specifically designed to meet the needs of the RN:

		Credit Hours
NURS 3139	Conceptual Basis of Nursing: Health Promotion Throughout Life	3
NURS 4133	Complex Nursing Concepts	3
NURS 4160	Nursing Leadership and Management: Principles and Practice	6

and are taken instead of:

		Credit Hours
NURS 3121	Professional Practice Competencies and Terminology	2
NURS 4354	Advanced Nursing Care of Adults	5
NURS 4138	Nursing Leadership and Management: Health Promotion VIII	3
NURS 4728	Preceptorship	2

To be considered for admission to the Bachelor of Science in Nursing degree program, RN applicants must have met the following minimum requirements by the application deadline:

1. Attained admission to Georgia Southern University.
2. Achieved a minimum total institution GPA of 3.0 on all course work attempted or a minimum of 2.7 for provisional admission (full admission after earning a "B" or better in 6 credit hours of nursing courses).
3. Completed a minimum of 45 credit hours of required course work.
4. Provided proof of current Georgia RN licensure and present any other current valid health professional license number to faculty (e.g. RN licensure in another state, LPN, EMT, RT, RD).
5. Returned the nursing application to the School of Nursing.
6. Met the requirements of the Georgia RN-BSN Articulation Model. RN applicants must have met the following requirements after admission to the RN-BSN Program and before enrollment in the first nursing course:
 - a. Participated in a curriculum planning conference with RN-BSN Program Director by phone or on campus.
 - b. Attended RN-BSN Orientation session or an approved alternate.
 - c. Submitted School of Nursing clinical requirements including:
 - i health history and physical examination;
 - ii immunization requirements including measles, rubella, and hepatitis B;
 - iii tuberculosis screening;
 - iv current American Heart Association CPR for Healthcare Providers' certification;
 - v health professions liability insurance for Registered Nurses; and
 - vi proof of personal health insurance.
7. All lab science courses, Area A math course, and statistics must be completed before enrollment in RN-BSN / RN-MSN courses.

8. All core courses must be satisfied before or during the last semester of nursing.

Progression Requirements

1. BSN students must earn a grade of "C" in all required nursing courses in the major in order to progress in the nursing program.
2. After withdrawal from a nursing course for any reason, a student's ability to continue or to progress in the nursing program will be contingent on a review of the student's record and approval of the Undergraduate Student Affairs Committee.
3. Students who earn an unsatisfactory in a clinical practicum rotation may not continue in any clinical practicum rotation during the same semester until their academic and clinical performance is individually reviewed by the BSN Program Director and the School of Nursing Chair. An unsatisfactory performance in a clinical practicum rotation represents failure of the course. The student will also be required to withdraw from all courses requiring a clinical practicum rotation in the same semester.
4. If approved, a nursing student may repeat a required nursing course only one time.
 - a. A student who earns a "D" or an "F" in a required nursing course and wishes to continue in the major must write a letter directed to the BSN Director requesting permission to continue in the nursing major. Students should submit the letter a minimum of one week prior to the anticipated date of reentry to the program. Requests to repeat a course are considered by the School of Nursing Undergraduate Student Affairs Committee on an individual basis and the student is notified in writing of the decision of the Committee. If approval is granted, the student may repeat the course at its next offering pending space availability.
 - b. Students given permission to repeat a required nursing course will be expected to complete a supplemental study program to remediate any areas of deficit identified by the student's prior performance in the course. Approval for repeating a required nursing course and for progression in the nursing program is dependent on the reasons for unsuccessful performance in the course. Denial of a request to repeat a required nursing course will result in the dismissal of the student from the nursing program. The student will be notified in writing of the Undergraduate Student Affairs Committee's decision.
 - c. After two required nursing course failures, the student will be dismissed from the nursing program.
5. Dismissal from the nursing major does not affect the ability of the student to progress in the University in another major.
6. Strict adherence to the American Nurses' Association *Nursing: Scope & Standards of Practice* is required of all nursing students. Additionally, nursing students who are Registered Nurses are held accountable to the Georgia Nurse Practice Act for Registered Nurses. Failure to comply with these professional standards will result in review and action by the School of Nursing faculty and could result in the student's dismissal from the nursing program.

Other Program Requirements

Students are responsible for:

- Transportation for off-campus practicums and field trips.
- The purchase of uniforms, white shoes, stethoscope, and sphygmomanometer.
- Maintaining personal health and accident insurance coverage and professional liability insurance.
- Fees for selected achievement tests during junior and senior years.
- Additional expenses which may include the cost of a nursing pin, academic regalia rental, and state board licensing examination fees.

For additional information, contact the BSN Program secretary, School of Nursing, Nursing/Chemistry Building, Room 2002, (912) 478-5242. RN students wishing to pursue the BSN degree (RN-BSN) should contact the RN-BSN Secretary, Nursing/Chemistry Building, Room 2002, (912) 478-5166.

The School of Nursing Programs are accredited by the Commission on Collegiate Nursing Education and approved by the Georgia Board of Nursing.

Advisement

All pre licensure nursing majors are advised in the College of Health and Human Sciences Student Services Center, Hollis Building, Room 0101, (912) 478-1931. RN-BSN and RN-MSN students are advised in the School of Nursing, RN-BSN Office, Nursing/Chemistry Building, Room 2002, (912) 478-5166.

Secondary Education Degree

For those interested in Secondary Education (grades 6-12) certification in FAMILY & CONSUMER SCIENCES after completing a bachelor's degree in child and family development, fashion merchandising and apparel design, nutrition and food science, interior design, home economics, or housing and consumer economics:

Students who plan to seek teacher certification after completion of the bachelor's degrees listed above may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. To meet content requirements, the following courses must be completed as part of, or in addition to, your current program of study.

		Credit Hours
CHFD 1131	Introduction to Family Science	3
CHFD 2130	Family Economic Environment	3
CHFD 2135	Child Development	3
FMAD 1234	Apparel I	3
FMAD 3234	Textiles	3
INDS 2430	Design Appreciation	3
NTFS 2530	Nutrition and Health	3
NTFS 2534	Introductory Food Science	3
NTFS 3536	Meal Management	3
Guided Electives from CHFD, FACS, FMAD, HLTH, INDS, NTFS		9

The following education courses may also be taken as *electives* while enrolled in your bachelor's program:

Courses that a student can take as an undergraduate that will count toward certification requirements, but will not count toward MAT degree requirements, are:

		Credit Hours
ITEC 3430	Instructional Technology for P-12 Teaching Fields	3
READ 3330	Content Literacy	3
SPED 3333	Introduction to Special Education	3

Education Area F "Preprofessional Block" (PPB) courses may also be taken; however the PPB courses will not count toward meeting certification requirements or MAT degree requirements. These courses can provide undergraduate students information and experiences in school settings that will help them make more informed decisions about becoming

a teacher. Since the three PPB courses have USG-mandated field requirements, the following guidance should be followed:

- BA/BS/BBA majors can take the complete 9 credit hour PPB block of courses with the required 50 credit hour field experience;
- BA/BS/BBA majors can take Exploring Learning and Teaching (EDUC 2130) concurrently with PPB Practicum (EDUC 2090) (50 contact hours in a school) – total of 3 credit hours. After taking Exploring Learning and Teaching (EDUC 2130), those students can take one or both of the other PPB courses with approximately 10 credit hours of field experience with each course. These courses are:
 - Investigating Critical and Contemporary Issues in Education (EDUC 2110)n (3)
 - Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (EDUC 2120) (3)

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor's program.

Structure

CHHS Student Services Center

J. Syno	Coordinator
B. Bulmer	Academic Advisor
R. Baker	Academic Advisor
M. Dunbar	Academic Advisor
V. Jones	Academic Advisor
D. Odom	Academic Advisor
B. Richardson	Academic Advisor
P. Smith	Academic Advisor
B. Stephens	Academic Advisor
T. Thomas	Academic Advisor
Z. Williams-Sledge	Academic Advisor

Magnolia Coastlands AHEC - in Partnership with the College of Health and Human Sciences and Housed in the Center for Health Outreach

M. Pung	Director
B. Kundu	Preceptor Coordinator
R. Kirkland	Health Careers Recruiter
V. Embry	Continuing Education Coordinator
C. Harper	Student Support Coordinator
A. Catron	Staff Assistant

College of Liberal Arts and Social Sciences

Dean: Dr. Curtis Ricker
Foy 3008
P.O. Box 8142
(912) 478-2527
FAX (912) 478-5346
cricker@georgiasouthern.edu

Associate Dean: Dr. Christine Ludowise
Foy 3004
P.O. Box 8142
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ludowise@georgiasouthern.edu

Associate Dean: Dr. Jason Slone
Foy 3014
P.O. Box 8142
(912) 478-2527

Mission

The College of Liberal Arts and Social Sciences prepares students to achieve academic excellence, develop their analytical skills, enhance their creativity, and embrace their responsibilities as citizens of their communities, their nations, and the world.

Visit us at our web site at <http://class.georgiasouthern.edu/>

Advisement

Undergraduate students are advised by CLASS advisors. Art, Communication Studies, General Studies, and Political Science majors are advised in the CLASS Advisement Center, which is located in Carroll 2244, (912) 478-7740. All other majors are advised in satellite advisement centers in their academic departments.

Visit the CLASS Advisement website at <http://class.georgiasouthern.edu/advisement/>

Betty Foy Sanders Department of Art

The Betty Foy Sanders Department of Art (BFSDoArt) is committed to building and extending the intellectual community in visual arts and graphic communications by training the next generation of artists, designers, and industry professionals. To prepare students for successful careers, the Department provides an enriching environment of rigorous course material, top notch facilities, the latest technology and equipment, highly respected faculty, and community engagement.

It is the BFSDoArt's goal to provide students with the ability to think critically, communicate effectively, work cooperatively, be comfortable and knowledgeable with and about the latest technology, and be committed to sharing their many talents with an increasingly global community.

The Betty Foy Sanders Department of Art is an accredited member of the National Association of Schools of Art and Design (NASAD).

Students earning the **B.A. degree in Art History** will demonstrate competency in the following outcomes:

1) ability to recall and utilize accurate art historical terminology and to identify major monuments of art, recognize productions of individual

artists, and distinguish artistic productions of various eras and cultures through familiarity with key formal and contextual components.

2) assessment of art historical issues including the following: making connections between different time periods and/ or cultures; contextualizing works within their political, social, economic, and religious situations; recognizing frequent biases toward art work based on cultural misunderstandings or ethnocentrism.

3) preparation of effective written and oral communications in art history composed of the following: historical research and critical analyses of works of art from historical, cultural, and aesthetic perspectives, synthesized into an original, organized work.

Graduates of the **B.A. in Studio Art** program will:

1) be able to demonstrate competency in multiple mediums through the creation of original works of art that are technically sound and exploits the characteristics of the specific art materials used.

2) demonstrate a comprehensive understanding of the elements and principles of visual organization and sufficient to achieve successful communication through visual art and design.

3) demonstrate their ability to analyze and evaluate their own artwork as well as that of their peers in the form of Written and Verbal Critique.

4) demonstrate a familiarity with the major achievements in the history of art and will be able to make valid assessments of quality in master works of art and their relationship to their own art work.

5) demonstrate the ability to combine the media skills, application of art and design principles, verbal analysis, and art historical knowledge in order to develop and apply transferable skills to professional direction.

Upon completion of the **B.F.A. 2D Studio** program, students will:

1) have attained competency in the media of each relative studio discipline through studio practice, appropriate equipment usage and demonstration of safety requirements during studio practice. Students will prove their skill competency in specific art media by creating original works of art that exploit the characteristics of the specific art materials used.

2) demonstrate a comprehensive understanding of the elements and principles of visual organization. This understanding will be evidenced by choices that may include compositional devices, use of color and manipulation of dominance/unity. Students will successfully apply these principles to communicate their aesthetic as well as conceptual intentions.

3) have a comprehensive overview of art history, with particular emphasis on issues of contemporary art, art theory and criticism. Students will conduct research relevant to their own creative work through the investigation of contemporary artists, critical theories and aesthetic issues, demonstrating their research and analysis abilities through the creation of original artworks, master studies, artist statements, presentation in oral critiques and essays.

4) complete written documentation as well as participate in verbal discussion that will demonstrate their ability to analyze, synthesize, validate, and evaluate their own artwork as well as that of their peers. Students' ability to articulate personal work will be further evidenced by writing an artist's statement that identifies historical references, contextualization and discussion of conceptual origins within their own body of work as well as for individual works.

5) demonstrate their ability to conceive, and produce a body of work (multiple artworks reflecting a single concept) in two-dimensional media (Print-making, Drawing, Painting). This body of work will reflect technical competency, effective use of art/design principles, self-expression, conceptual development, a comprehension of cultural and art

historical references, aesthetics, critical theory, and is representative of contemporary art.

Students earning the **B.F.A. degree with a concentration in 3D Studio** will:

- 1) demonstrate their technical skill mastery.
- 2) demonstrate their competency in the use of art elements and principles of visual organization with an emphasis on 3D materials and space.
- 3) demonstrate their ability to analyze, synthesize, validate, and evaluate their own artwork, as well as, that of their peers during course critiques and discussions throughout their degree program. Students' ability to articulate personal work will be further evidenced by writing an artist's statement included with critique presentations and submissions of artworks for review by others.
- 4) demonstrate their ability to conceive, and produce a body of work (multiple artworks reflecting one concept) in three-dimensional media, that reflect technical competency, effective use of art/design principles, self-expression, conceptual development, a comprehension of cultural and art historical references, aesthetics, and cohesive body of contemporary arts.

B.F.A. Graphic Design degree program students will:

- 1) develop professional studio practices and demonstrate these practices to execute successful, repeatable, problem solving strategies to communicate content to an audience in areas of application such as identity, brand positioning, publication design, editorial design, web and multimedia design, packaging, way-finding and information architecture.
- 2) have a comprehensive understanding of the elements and principles of visual organization. Students will demonstrate knowledge of, and skills in, two- and three- dimensional spatial organization, color theory and application, typography, hierarchical organization, contrast and concord.
- 3) develop a breadth of understanding that provides them with the skills to identify and assess art and design historical issues including the following: connections between different time periods and/or cultures; contexts of art work including political, social, economic, and religious aspects; frequent biases toward art work based on cultural misunderstandings or ethnocentrism.
- 4) analyze, synthesize, validate, and evaluate their own artwork as well as that of their peers during course critiques and discussions throughout their degree program. Students' ability to articulate personal work will be further evidenced by writing an artist's statement included with critique presentations and submissions of artworks for review by others.

5) develop a professional portfolio that exemplifies their competency in graphic design and create a professional portfolio of work that demonstrates their skills to potential employers and assists in securing entry-level employment as a professional graphic designer. Through development of their portfolio, students will demonstrate autonomy in executing real-world project skills in planning, research, sales, marketing and presentation.

Graduates of the **B.S.Graph.Com. program in Graphic Communications Management** will:

- 1) demonstrate their comprehension of prepress vocabulary, activities, software, estimating, and the associated decision-making process within graphic communications.
- 2) demonstrate their comprehension of the major reproduction process used within graphic communications, the influences each process has on the inks and substrates used by each process, and estimate press activities.

3) demonstrate their comprehension of post press activities, the costing of those activities, and the influences the different inks and substrates have on those activities within graphic communications.

4) demonstrate their ability to utilize the knowledge gained from their graphic communications coursework by completing an internship within the graphic communications industry.

Art Majors

- Art B.A. (Concentration in Art History) (p. 165)
- Art B.A. (Concentration in Studio Art) (p. 166)
- Art B.F.A. (Concentration in 2D Studio: Drawing, Painting, Print/Paper/Book Arts) (p. 167)
- Art B.F.A. (Concentration in 3D Studio: Ceramics, Small Metals Design, Sculpture) (p. 168)
- Graphic Communications Management B.S.Graph.Com (p. 169)
- Graphic Design B.F.A. (p. 170)

Art Minors

- Animation New Media (p. 171)
- Art (History) (p. 171)
- Art (Studio/Graphic Design) (p. 172)
- Graphic Communications Management (p. 172)
- Photography/Digital Imaging (p. 172)
- Studio Art (p. 172)

Art Concentrations

- Digital Imaging Systems Second Discipline Concentration (p. 173)
- Imaging Information Systems Second Discipline (p. 173)
- Visual Communications Design Second Discipline Concentration (p. 173)

Art B.A. (Concentration in Art History)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

		Credit Hours
Area A1 - Communication Skills (6 Credit Hours)		
Select 6 credit hours from Area A1 of the Core Curriculum		6
Area A2 - Quantitative Skills (3 Credit Hours)		
Select 3 credit hours from Area A2 of the Core Curriculum		3
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum		4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum		6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum		11
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum		12
Area F - Courses Appropriate to Major (18 Credit Hours)		
ART 1010	Drawing I	3
ART 1011	Drawing II	3
ART 1020	Two Dimensional Design	3

ART 1030	Three Dimensional Design	3
ARTH 2531	Art History I	3
ARTH 2532	Art History II	3

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (33 Credit Hours)

Select 24 credit hours from the following upper division Art History courses:

ARTH 3231	Modern Art History	
ARTH 3251	Dada and Surrealism Art History	
ARTH 3261	Italian Mannerism Art History	
ARTH 3272	Northern Renaissance Art History	
ARTH 3282	Pre-Colombian Art History	
ARTH 3377	Graphic Design Art History	
ARTH 3435	African Art History	
ARTH 3436	African American Art History	
ARTH 3437	American Art History	
ARTH 3530	Art and Architecture of the Ancient World	
ARTH 3531	Medieval Art History	
ARTH 3532	Italian Renaissance Art History	
ARTH 3533	Baroque and Rococo Art History	
ARTH 3534	19th Century Art History	
ARTH 4435	Art History Travel Research	
ARTH 4530	20th Century Art History	
ARTH 4531	Contemporary Art History	
ARTH 4631	Art History Seminar	
ARTH 4830	Art History Research	

Select 6 credit hours from the following Exploratory Studio Art courses:

ART 1536	Animation I	
ART 2000	Advanced Placement Studio	
ART 2135	Painting: Introduction	
ART 2230	Ceramics: Introduction	
ART 2233	Computer Graphics	
ART 2235	Digital Dimensions	
ART 2236	Small Metals Design: Fundamentals	
ART 2330	Typography I	
ART 2331	Visual Thinking in Graphic Design	
ART 2335	Photography/Digital Imaging: Introduction	
ART 2430	Print, Paper, Book Arts: Introduction	
ART 2536	Animation II	
ART 3131	Drawing III	
ART 3132	Figure Drawing	
ART 3335	Photography/Digital Imaging: Intermediate	
ART 4590	Selected Topics in Art	

Required for the degree:

ARTH 4831	Senior Art History Thesis	3
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Minor - Required (15 Credit Hours)

Select 15 credit hours of Minor courses 15

Foreign Language

Select 0-6 credit hours of Foreign Language 0-6

Electives (12 Credit Hours)

Select 6-12 credit hours of Electives 6-12

Total Credit Hours 126

Program Requirements

- Must earn a minimum grade of "C" in all ART and ARTH courses.
- Must successfully complete prerequisites for courses and take courses in proper sequence.

Advisement

Every student enrolled in a degree program in the Betty Foy Sanders Department of Art is advised by an advisor located in the Carroll Building, Room 2244, (912) 478-7740.

Art B.A. (Concentration in Studio Art)**Degree Requirements: 126 Credit Hours**

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ART 1010	Drawing I 3
ART 1011	Drawing II 3
ART 1020	Two Dimensional Design 3
ART 1030	Three Dimensional Design 3
ARTH 2531	Art History I 3
ARTH 2532	Art History II 3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520	Healthful Living 2
Physical Education Activities 2	
Orientation (2 Credit Hours)	
FYE 1220	First-Year Seminar 2
Major Requirements (30 Credit Hours)	
Select 9 credit hours from the following upper division Art History courses:	9
ARTH 3231	Modern Art History
ARTH 3251	Dada and Surrealism Art History
ARTH 3261	Italian Mannerism Art History
ARTH 3272	Northern Renaissance Art History

ARTH 3282	Pre-Colombian Art History	
ARTH 3377	Graphic Design Art History	
ARTH 3435	African Art History	
ARTH 3436	African American Art History	
ARTH 3437	American Art History	
ARTH 3530	Art and Architecture of the Ancient World	
ARTH 3531	Medieval Art History	
ARTH 3532	Italian Renaissance Art History	
ARTH 3533	Baroque and Rococo Art History	
ARTH 3534	19th Century Art History	
ARTH 4435	Art History Travel Research	
ARTH 4530	20th Century Art History	
ARTH 4531	Contemporary Art History	
ARTH 4631	Art History Seminar	
Select 21 credit hours from the following Exploratory Studio Art courses:		21
ART 1536	Animation I	
ART 2000	Advanced Placement Studio	
ART 2135	Painting: Introduction	
ART 2230	Ceramics: Introduction	
ART 2233	Computer Graphics	
ART 2235	Digital Dimensions	
ART 2236	Small Metals Design: Fundamentals	
ART 2330	Typography I	
ART 2331	Visual Thinking in Graphic Design	
ART 2335	Photography/Digital Imaging: Introduction	
ART 2430	Print, Paper, Book Arts: Introduction	
ART 2536	Animation II	
ART 3131	Drawing III	
ART 3132	Figure Drawing	
ART 3335	Photography/Digital Imaging: Intermediate	
ART 4590	Selected Topics in Art	
Required Capstone Course		3
ART 4988	Capstone in Studio Art	
Minor - Required (15 Credit Hours)		
Select 15 credit hours of Minor courses		15
Foreign Language		
Select 0-6 credit hours of Foreign Language		0-6
Electives (12 Credit Hours)		
Select 6-12 credit hours of Electives		6-12
Total Credit Hours		126

Program Requirements

- Must earn a minimum grade of "C" in all ART courses.
- Must successfully complete prerequisites for courses and take courses in proper sequence.

Advisement

Every student enrolled in a degree program in the Betty Foy Sanders Department of Art is advised by an advisor located in the Carroll Building, Room 2244, (912) 478-7740.

Art B.F.A. (Concentration in 2D Studio: Drawing, Painting, Print/Paper/Book Arts)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours	
Area A1 - Communication Skills (6 Credit Hours)		
Select 6 credit hours from Area A1 of the Core Curriculum	6	
Area A2 - Quantitative Skills (3 Credit Hours)		
Select 3 credit hours from Area A2 of the Core Curriculum	3	
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum	4	
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum	6	
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum	11	
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum	12	
Area F - Courses Appropriate to Major (18 Credit Hours)		
ART 1010	Drawing I	3
ART 1011	Drawing II	3
ART 1020	Two Dimensional Design	3
ART 1030	Three Dimensional Design	3
ARTH 2531	Art History I	3
ARTH 2532	Art History II	3
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Major Requirements (57 Credit Hours)		
Select 9 credit hours from the following upper division Art History courses:		9
ARTH 3231	Modern Art History	
ARTH 3251	Dada and Surrealism Art History	
ARTH 3261	Italian Mannerism Art History	
ARTH 3272	Northern Renaissance Art History	
ARTH 3282	Pre-Colombian Art History	
ARTH 3377	Graphic Design Art History	
ARTH 3435	African Art History	
ARTH 3436	African American Art History	
ARTH 3437	American Art History	
ARTH 3530	Art and Architecture of the Ancient World	
ARTH 3531	Medieval Art History	
ARTH 3532	Italian Renaissance Art History	
ARTH 3533	Baroque and Rococo Art History	
ARTH 3534	19th Century Art History	
ARTH 4435	Art History Travel Research	
ARTH 4530	20th Century Art History	

ARTH 4531	Contemporary Art History	
ARTH 4631	Art History Seminar	
Select 18 credit hours from the following Exploratory Studio Art courses:		18
ART 1536	Animation I	
ART 2000	Advanced Placement Studio	
ART 2230	Ceramics: Introduction	
ART 2233	Computer Graphics	
ART 2235	Digital Dimensions	
ART 2236	Small Metals Design: Fundamentals	
ART 2330	Typography I	
ART 2331	Visual Thinking in Graphic Design	
ART 2335	Photography/Digital Imaging: Introduction	
ART 4590	Selected Topics in Art	
Concentration Studio Art Courses:		
ART 2135	Painting: Introduction	3
ART 2430	Print, Paper, Book Arts: Introduction	3
ART 3131	Drawing III	3
ART 3132	Figure Drawing	3
ART 3137	Painting: Visual Language	3
ART 3430	Print, Paper, Book Arts: Intermediate	3
ART 4135	Painting: Studio Practice	3
ART 4190	Problems in Drawing	3
ART 4330	Print, Paper, Book Arts: Advanced	3
ART 4999	BFA Portfolio and Exhibition	3
Elective (3 Credit Hours)		
Select 3 credit hours of Electives		3
Total Credit Hours		126

Program Requirements

- Must earn a minimum grade of "C" in all ART designated courses.
- Must successfully complete prerequisites for courses and take courses in proper sequence.

Advisement

Every student enrolled in a degree program in the Betty Foy Sanders Department of Art is advised by an advisor located in the Carroll Building, Room 2244 (912) 478-7740.

Art B.F.A. (Concentration in 3D Studio: Ceramics, Small Metals Design, Sculpture)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	

Select 6 credit hours from Area C of the Core Curriculum 6

Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)

Select 11 credit hours from Area D of the Core Curriculum 11

Area E - Social Sciences (12 Credit Hours)

Select 12 credit hours from Area E of the Core Curriculum 12

Area F - Courses Appropriate to Major (18 Credit Hours)

ART 1010	Drawing I	3
ART 1011	Drawing II	3
ART 1020	Two Dimensional Design	3
ART 1030	Three Dimensional Design	3
ARTH 2531	Art History I	3
ARTH 2532	Art History II	3

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
	Physical Education Activities	2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (57 Credit Hours)

Select 9 credit hours from the following upper division Art History courses: 9

ARTH 3231	Modern Art History	
ARTH 3251	Dada and Surrealism Art History	
ARTH 3261	Italian Mannerism Art History	
ARTH 3272	Northern Renaissance Art History	
ARTH 3282	Pre-Colombian Art History	
ARTH 3377	Graphic Design Art History	
ARTH 3435	African Art History	
ARTH 3436	African American Art History	
ARTH 3437	American Art History	
ARTH 3530	Art and Architecture of the Ancient World	
ARTH 3531	Medieval Art History	
ARTH 3532	Italian Renaissance Art History	
ARTH 3533	Baroque and Rococo Art History	
ARTH 3534	19th Century Art History	
ARTH 4435	Art History Travel Research	
ARTH 4530	20th Century Art History	
ARTH 4531	Contemporary Art History	
ARTH 4631	Art History Seminar	

Select 18 credit hours from the following Exploratory Studio Art courses: 18

ART 2000	Advanced Placement Studio	
ART 2135	Painting: Introduction	
ART 2233	Computer Graphics	
ART 2330	Typography I	
ART 2331	Visual Thinking in Graphic Design	
ART 2335	Photography/Digital Imaging: Introduction	
ART 2430	Print, Paper, Book Arts: Introduction	
ART 3132	Figure Drawing	
ART 4590	Selected Topics in Art	

Concentration Studio Art Courses:

ART 2230	Ceramics: Introduction	3
ART 2235	Digital Dimensions	3
ART 2236	Small Metals Design: Fundamentals	3

ART 3230	Ceramics: Intermediate	3
ART 3235	Materials and Making	3
ART 3236	Small Metals Design: Intermediate I	3
ART 4232	Ceramics: Advanced	3
ART 4235	Hot and Cold Casting	3
ART 4236	Small Metals Design: Advanced I	3
ART 4999	BFA Portfolio and Exhibition	3
Elective (3 Credit Hours)		
Select 3 credit hours of Electives		3
Total Credit Hours		126

Program Requirements

- Must earn a minimum grade of "C" in all ART designated courses.
- Must successfully complete prerequisites for courses and take courses in proper sequence.

Advisement

Every student enrolled in a degree program in the Betty Foy Sanders Department of Art is advised by an advisor located in the Carroll Building, Room 2244, (912) 478-7740.

Graphic Communications Management B.S.Graph.Com

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours) ¹	
ART 1020 Two Dimensional Design	3
BUSA 1105 Introduction to Business	3
COMM 1110 Principles of Public Speaking	3
GCM 1131 Graphic Communications Technology	3
GCM 1321 Desktop Publishing	2
GCM 1411 Desktop Publishing Laboratory	1
1 MATH, STAT or Programming Course	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	

FYE 1220	First-Year Seminar	2
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Major Requirements (56 Credit Hours)

Specific Requirements: ²		35
GCM 2332	Bindery and Finishing	
GCM 2412	Bindery and Finishing Laboratory	
GCM 2432	Inks and Substrates	
GCM 2512	Desktop Publishing II Laboratory	
GCM 2532	Desktop Publishing II	
GCM 2721	Industrial Practicum	
GCM 3231	Print Media Processes	
GCM 3735	Graphic Communications Internship I	
GCM 5234	Color Reproduction	
GCM 5314	Color Reproduction Laboratory	
GCM 5335	Graphic Communications Management Topics	
GCM 5535	Estimating for Print Production	
Select two of the following production courses:		
GCM 4132	Screen and Specialty Printing	
GCM 5331	Flexography	
GCM 5434	Lithographic Reproduction	
GCM 5534	Digital Output Applications	
Professional Electives and Graphic Communications Management Electives: ³		21
Professional Electives (9-12 Credit Hours) ⁴		
ACCT 2030	Survey of Accounting	
ACCT 2101	Financial Accounting	
ACCT 2102	Managerial Accounting	
ART 1010	Drawing I	
ART 1030	Three Dimensional Design	
ART 2330	Typography I	
ART 2331	Visual Thinking in Graphic Design	
BUSA 3131	Business Statistics	
LSTD 2106	Legal Environment of Business	
LSTD 3130	International Trade Regulation	
MGNT 3130	Principles of Management	
MGNT 3134	Behavior in Organizations	
MGNT 3430	Operations Management	
MKTG 3131	Principles of Marketing	
MKTG 3132	Principles of Advertising	
MKTG 3133	Professional Selling	
MKTG 4133	Sales Management	
MKTG 4135	Buyer Behavior	
MKTG 4137	Marketing Management	
PSYC 3234	Industrial/Organizational Psychology	
TMAE 5134	World Class Manufacturing	
TSEC 5334	Hazardous Waste Management	
Graphic Communications Management Electives (9-11 Credit Hours) ⁵		
GCM 3110	Instructional Assistance	
GCM 3130	Customer Service for Graphic Communications	
GCM 4132	Screen and Specialty Printing	
GCM 4232	Photo Preparation for Reproduction	
GCM 4736	Graphic Communications Internship II	
GCM 4899	Independent Study	

GCM 5090	Selected Topics in Graphic Communications	
GCM 5331	Flexography	
GCM 5332	Multimedia Presentations	
GCM 5334	Imaging Systems	
GCM 5434	Lithographic Reproduction	
GCM 5534	Digital Output Applications	
Free Electives (4 Credit Hours)		
Select 4 credit hours of Free Electives		4
Total Credit Hours		126

- ¹ All Area F Courses must be completed with a minimum grade of "C".
- ² All Courses Listed as Specific Requirements must be completed with a minimum grade of "C".
- ³ **Professional Electives and Graphic Communications Management Electives together must total 21 hours.**
- ⁴ All courses listed are examples of "Professional Elective" and must be completed with a minimum grade of "C". A minor can be chosen to supplement the Graphic Communications Management curriculum. Courses required for the minor may be used to complete the professional elective requirements. Suggested minors or concentrations are: Visual Communications Design, Art, Management, Marketing, Industrial Management, Information Technology, Information Systems, or Industrial Safety and Environmental Compliance. Consult the Undergraduate and Graduate Catalog for guidelines on completing a chosen minor.
- ⁵ All Courses Listed as Graphic Communications Management Electives must be completed with a minimum grade of "C".

Program Requirements

- Must earn a minimum grade of "C" in all ART and GCM designated courses.
- Must successfully complete prerequisites for courses and take courses in proper sequence.

Advisement

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Graphic Design B.F.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	

Select 12 credit hours from Area E of the Core Curriculum 12

Area F - Courses Appropriate to Major (18 Credit Hours)

ART 1010	Drawing I	3
ART 1011	Drawing II	3
ART 1020	Two Dimensional Design	3
ART 1030	Three Dimensional Design	3
ARTH 2531	Art History I	3
ARTH 2532	Art History II	3

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (57 Credit Hours)

Select 9 credit hours from the following upper division Art History courses: 9

ARTH 3231	Modern Art History	
ARTH 3251	Dada and Surrealism Art History	
ARTH 3261	Italian Mannerism Art History	
ARTH 3272	Northern Renaissance Art History	
ARTH 3282	Pre-Colombian Art History	
ARTH 3377	Graphic Design Art History	
ARTH 3435	African Art History	
ARTH 3436	African American Art History	
ARTH 3437	American Art History	
ARTH 3530	Art and Architecture of the Ancient World	
ARTH 3531	Medieval Art History	
ARTH 3532	Italian Renaissance Art History	
ARTH 3533	Baroque and Rococo Art History	
ARTH 3534	19th Century Art History	
ARTH 4435	Art History Travel Research	
ARTH 4530	20th Century Art History	
ARTH 4531	Contemporary Art History	
ARTH 4631	Art History Seminar	

Select 15 credit hours from the following Exploratory Studio Art courses: 15

(Two courses must be 2-D in Concept; two courses must be 3-D in Concept)

ART 1536	Animation I	
ART 2000	Advanced Placement Studio	
ART 2135	Painting: Introduction	
ART 2230	Ceramics: Introduction	
ART 2235	Digital Dimensions	
ART 2236	Small Metals Design: Fundamentals	
ART 2335	Photography/Digital Imaging: Introduction	
ART 2430	Print, Paper, Book Arts: Introduction	
ART 3132	Figure Drawing	
ART 4590	Selected Topics in Art	

Concentration Courses: (33 Credit Hours)

ART 2330	Typography I	3
ART 2331	Visual Thinking in Graphic Design	3
ART 3330	New Media Design	3
ART 3331	Graphic Design Methods	3
ART 3333	Design Systems	3

ART 3334	Professional Practices	3
ART 3338	Typography II	3
ART 4381	Graphic Design Theories	3
ART 4889	Graphic Design Portfolio	3
GCM 1321	Desktop Publishing	2
GCM 1411	Desktop Publishing Laboratory	1
Select one of the following Graphic Design Electives courses:		3
ART 3731	Graphic Design Internship	
ART 4333	Publication Design	
ART 4335	Web Page Design	
Elective (3 Credit Hours)		
Select 3 credit hours of Electives		3
Total Credit Hours		126

Program Requirements

- Must earn a minimum grade of "C" in all ART designated courses.
- Must successfully complete prerequisites for courses and take courses in proper sequence.
- All students pursuing coursework in graphic design, whether as a major, minor, or second discipline, must pass portfolio review after completion of Typography I (ART 2330) (3) and Visual Thinking in Graphic Design (ART 2331) (3) to enroll in upper division graphic design courses.
- A total institution GPA of 2.75 is required to register for internship credit.
- A portfolio presentation in a public venue is required as a capstone experience during Graphic Design Portfolio (ART 4889) (3).

Specific Requirements For Graphic Design Concentration

Graphic Design Course Schedule Rotation

Note: Course offerings are subject to change depending upon faculty availability, enrollment demands, and learning opportunities that may arise.

		Credit Hours
Fall		
ART 2331	Visual Thinking in Graphic Design	3
ART 3330	New Media Design	3
ART 3331	Graphic Design Methods	3
ART 3334	Professional Practices	3
ART 4381	Graphic Design Theories	3
Spring		
ART 2330	Typography I	3
ART 3333	Design Systems	3
ART 3338	Typography II	3
ART 4889	Graphic Design Portfolio	3
ARTH 3377	Graphic Design Art History	3
Alternating Electives:		
ART 3731	Graphic Design Internship	3
ART 4333	Publication Design	3
ART 4335	Web Page Design	3

- *Portfolio Review for admission into upper division courses in Graphic Design:*
When students have completed Visual Thinking in Graphic Design (ART 2331) (3) and Typography I (ART 2330) (3), they submit

a portfolio of their design work completed to date, and a require independent project assigned by faculty, for review by the design faculty. Based upon criteria outlined in the B.F.A. Graphic Design Program of Study Handbook, faculty will evaluate and admit students into the Graphic Design concentration based upon their demonstrated creative abilities and professional demeanor deemed necessary for success in the design field. A 3.0 GPA in Visual Thinking in Graphic Design (ART 2331) (3) and Typography I (ART 2330) (3) is only one requirement in passing the portfolio review.

- Students who do not pass the graphic design portfolio review are encouraged to enter other concentrations in the ART or Graphic Communications Management major more suitable to their talents. In this case, graphic design courses with an earned grade of "C" or above will be designated as exploratory studio courses in another BA/ BFA art degree program or professional electives in the BS Graphic Communications Management degree program.
- Students who do not pass the portfolio review may choose to resubmit their portfolio the following year after they further develop the quality of their work and remedy deficient professional practices.
- All students will participate in a public presentation of their portfolio completed in Graphic Design Portfolio for review by faculty, invited members of the profession, and peers.

Advisement

Every student enrolled in a degree program in the Betty Foy Sanders Department of Art is advised by an advisor located in the Carroll Building, Room 2244, (912) 478-7740

Art (History) Minor

Contact

Chair, BFSDoArt
Center for Art & Theatre
(912) 478-2787

Minor Program

		Credit Hours
ARTH 2531	Art History I	3
ARTH 2532	Art History II	3
ARTH - Three Upper Division Art History courses (selected in consultation with an Art Advisor)		9
Total Credit Hours		15

Animation & New Media Minor

Contact

Chair, BFSDoART
Center for Art and Theatre
(912) 478-2787

Minor Program

		Credit Hours
ART 1536	Animation I	3
ART 2536	Animation II	3
ART 3536	Video & Motion Graphics	3
ART 3537	Installation & Interactivity	3
ART 4536	3D Animation	3
Total Credit Hours		15

Optional Summer: Animation UK Summer Abroad in Sheffield UK

The study abroad program includes a studio course in animation with projects exploring character development, storytelling, and virtual lights/cameras with an introduction to software and concepts in 2D animation, sound, and web streaming. At the end of the course there will be a collaborative exhibition of the students' animations in a gallery in Sheffield.

Art (Studio/Graphic Design) Minor

Contact

Chair, BFSDoART
Center for Art & Theatre
(912) 478-2787

Prerequisite(s)

		Credit Hours
ART 1010	Drawing I	3
ART 1020	Two Dimensional Design	3
GCM 1131	Graphic Communications Technology	3
GCM 1321	Desktop Publishing	2
GCM 1411	Desktop Publishing Laboratory	1
Total Credit Hours		12

Minor Program

		Credit Hours
ART 2330	Typography I	3
ART 2331	Visual Thinking in Graphic Design	3
ART 3331	Graphic Design Methods ¹	3
ART 3338	Typography II	3
Select one upper division graphic design elective from the following:		3
ART 3731	Graphic Design Internship	
ART 4333	Publication Design	
ART 4335	Web Page Design	
Total Credit Hours		15

¹ All students must pass graphic design portfolio review prior to enrolling in Graphic Design Methods (ART 3331).

Graphic Communications Management Minor

Contact

Chair, BFSDoART
Center for Art & Theatre
(912) 478-2787

Prerequisite(s)

		Credit Hours
GCM 1131	Graphic Communications Technology	3

Minor Program

(Must be at least 9 credit hours of upper division coursework)

		Credit Hours
GCM 1321	Desktop Publishing	2
GCM 1411	Desktop Publishing Laboratory	1
GCM 2532	Desktop Publishing II	3
GCM 3000+	Approved Electives	9
Total Credit Hours		15

NOTE: Certain prerequisites are waived for students wishing to minor in Graphic Communications Management. Contact:

Photography/Digital Imaging Minor

Contact

Chair, BFSDoART
Center for Art & Theatre
(912) 478-2787

		Credit Hours
Required Courses: (15 Credit Hours)		
Complete the three-course sequence in Photography/Digital Imaging, one 3000-level studio art exploratory course, and one art history course.		
Complete sequence of Photography/Digital Imaging courses:		9
ART 2335	Photography/Digital Imaging: Introduction	
ART 3335	Photography/Digital Imaging: Intermediate	
ART 4334	Photography/Digital Imaging: Advanced	
One Studio Art Exploratory course:		3
OR any studio art course at level 3000 or higher with no prerequisite or with permission from instructor.		
ART 2135	Painting: Introduction	
ART 2233	Computer Graphics	
ART 2330	Typography I	
ART 2331	Visual Thinking in Graphic Design	
ART 2335	Photography/Digital Imaging: Introduction	
ART 2430	Print, Paper, Book Arts: Introduction	
ART 3132	Figure Drawing	
ART 4590	Selected Topics in Art	
Choice of one Art History course:		3
ARTH 3231	Modern Art History	
ARTH 4531	Contemporary Art History	
Total Credit Hours		15

Studio Art Minor

Contact

Chair, BFSDoART
Center for Art & Theatre
(912) 478-2787

		Credit Hours
Required Courses:		15

Complete one area sequence (introduction, intermediate, and advanced) and the first two courses in any additional area sequence. Area courses must be taken in sequence as listed. Three out of five courses must be level 3000 or above.

Ceramics

ART 2230	Ceramics: Introduction
ART 3230	Ceramics: Intermediate
ART 4232	Ceramics: Advanced

Drawing

ART 1011	Drawing II
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And two of the following:

ART 3131	Drawing III
ART 3132	Figure Drawing
ART 4190	Problems in Drawing

Painting

ART 2135	Painting: Introduction
ART 3137	Painting: Visual Language
ART 4135	Painting: Studio Practice

Paper, Print & Book Arts

ART 2430	Print, Paper, Book Arts: Introduction
ART 3430	Print, Paper, Book Arts: Intermediate
ART 4330	Print, Paper, Book Arts: Advanced

Sculpture

ART 2235	Digital Dimensions
ART 3235	Materials and Making
ART 4235	Hot and Cold Casting

Small Metals Design

ART 2236	Small Metals Design: Fundamentals
ART 3236	Small Metals Design: Intermediate I
ART 4236	Small Metals Design: Advanced I

Total Credit Hours 15

Digital Imaging Systems Second Discipline Concentration

Contact

Chair, BFSDoART
Center for Art & Theatre
(912) 478-2787

Credit Hours

Area F (3 Credit Hours)

GCM 1321	Desktop Publishing	2
GCM 1411	Desktop Publishing Laboratory	1

Credit Hours

Required Courses (16 Credit Hours)

GCM 1131	Graphic Communications Technology	3
GCM 2532	Desktop Publishing II	3
GCM 2512	Desktop Publishing II Laboratory	1
GCM 5534	Digital Output Applications	3

Select a minimum of 6 credit hours from the following
Elective courses:

GCM 2332	Bindery and Finishing
GCM 2412	Bindery and Finishing Laboratory
GCM 4232	Photo Preparation for Reproduction

GCM 5234	Color Reproduction
GCM 5314	Color Reproduction Laboratory
GCM 5334	Imaging Systems

Total Credit Hours 16

Note: Certain GCM prerequisites are waived for students in Second Disciplines. Please contact the GCM Second Discipline advisor.

Imaging Information Systems Second Discipline Concentration

Contact

BFSDoART Advisement and Career Center
Center for Art & Theatre
Room 2018
(912) 478-2376
artadvisement@georgiasouthern.edu

Credit Hours

Area F (3 Credit Hours)

GCM 1321	Desktop Publishing	2
GCM 1411	Desktop Publishing Laboratory	1

Credit Hours

Required Courses (16 Credit Hours)

GCM 1131	Graphic Communications Technology	3
GCM 2512	Desktop Publishing II Laboratory	1
GCM 2532	Desktop Publishing II	3
GCM 5334	Imaging Systems	3

Select a minimum of 6 credit hours from the following
Elective courses:

GCM 2332	Bindery and Finishing
GCM 2412	Bindery and Finishing Laboratory
GCM 4232	Photo Preparation for Reproduction
GCM 5234	Color Reproduction
GCM 5314	Color Reproduction Laboratory
GCM 5534	Digital Output Applications

Total Credit Hours 16

Note: Certain GCM prerequisites are waived for students in Second Disciplines. Please contact the GCM Second Discipline advisor.

Visual Communications Design Second Discipline Concentration

Contact

BFSDoART Advisement and Career Center
Center for Art & Theatre
Room 2018
(912) 478-2376
artadvisement@georgiasouthern.edu

Credit Hours

Area F (3 Credit Hours)

ART 1020	Two Dimensional Design	3
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Credit Hours

Required Courses (15 Credit Hours)

GCM 1321	Desktop Publishing	3
&GCM 1411	and Desktop Publishing Laboratory (Note: These are prerequisites to ART 2330 and ART 2331)	
ART 2330	Typography I	3
ART 2331	Visual Thinking in Graphic Design	3
Note: ALL students must pass portfolio review prior to enrolling in upper division graphic design courses		
ART 3331	Graphic Design Methods	3
ART 3338	Typography II	3
Total Credit Hours		15

CLASS Advisement Center

The Bachelor of General Studies (B.G.S.) programs provide opportunities for students who are interested in combining a liberal arts background with three areas of specialization. The B.G.S. degree - offered on-campus or on-line - offers a solid core curriculum program along with the freedom to choose from a variety of concentrations.

The General Studies programs prepare students for successful life-long learning by engaging them in a broadly applicable interdisciplinary degree program that reflects the growing complexity and connectivity of the modern world and is guided by integrity, academic excellence, and global citizenship.

Students completing the Bachelor of General Studies program will::

1. Communicate effectively with diverse audiences, for a variety of purposes, using written English, oral communication, or technical competencies.
2. Critically analyze ideas from multiple sources in order to draw well-supported conclusions and solve problems.
3. Apply essential ideas, principles, theories, and methods relevant to their concentration and minor disciplines.
4. Apply knowledge and skills across interdisciplinary boundaries.
5. Evaluate and integrate new information into existing frameworks of knowledge.
6. Integrate learning about diverse cultures, groups, and ideas across interdisciplinary boundaries.

General Studies Majors

- General Studies B.G.S. (p. 174)
- General Studies B.G.S. (Online) (p. 175)

General Studies B.G.S.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

The Bachelor of General Studies (B.G.S.) program provides opportunities for non-traditional college students who are interested in combining a liberal arts background with some degree of specialization. It offers a solid core curriculum program along with the freedom to choose from a wide range of concentrations.

While the General Studies degree allows for study in several areas, it is organized to provide an academically sound program with carefully planned concentrations. The student who earns this degree will have achieved a broad-based education in a fully accredited program.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Select 18 credit hours of courses appropriate to Concentration and minor programs of study, as approved by advisor	18
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Major Requirements (54 Credit Hours)	
For the major, students may choose one of the following two options: ¹	51-54
Three (3) concentrations of 18 credit hours each from the list of approved concentrations below	
Two (2) concentrations of 18 credit hours each from the list of approved concentrations below and one (1) 15-credit hour minor (refer to minors and interdisciplinary minors in Catalog).	
Approved Concentrations: ²	
Africana Studies, American Studies, Business, Communication Arts, Culture and Society, Education, Entrepreneurship, Environmental Sustainability, Individual Emphasis, International Studies, Irish Studies, Justice Studies, Modern Languages (Arabic, Chinese, Japanese, French, German, Latin, Spanish), Political Science, Psychology, Public Administration, Religious Studies, Sociology, Southern Studies, Women's and Gender Studies, and Writing	
Required Capstone Course (1 Credit Hours)	
IDS 4111 Capstone in Interdisciplinary Studies	1
Elective (5 Credit Hours)	
Select 5-8 credit hours of Electives	5-8
Total Credit Hours	126

1 Of the total number of credit hours for the major, 42 of the credit hours must be at the upper division level.

2 Note: Please check with B.G.S. advisor for detailed information on Approved Concentrations.

Other Program Requirements

- Students must have a 2.0 total institution GPA overall and a total GPA of 2.0 in each concentration (or minor).

- Students must choose concentrations and minors from different disciplines.

Other Program Information

- Foreign Language - Although foreign language is optional in the Bachelor of General Studies Degree, students who wish may include Foreign Language in Area F, as well as choose a minor or concentration in Foreign Language.

Advisement

The program is administered by the College of Liberal Arts and Social Sciences Advisement Center, located in the Carroll Building, Room 2244. Contact: CLASS Advisement Center at (912) 478-7740.

General Studies B.G.S. (Online)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

The Bachelor of General Studies (B.G.S.) Online program provides opportunities for students who are interested in combining a liberal arts background with some degree of specialization. The degree offers a solid core curriculum program along with the freedom to choose several areas of study.

An online interdisciplinary degree that allows for study in several areas, the B.G.S. is organized to provide an academically sound program with carefully planned core and area concentrations. The student who earns this degree will have achieved a broad-based education in a fully accredited program.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Select 18 credit hours of courses appropriate to Concentrations, as approved by advisor	18
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Major Requirements (54 Credit Hours)	
For the major, students may choose one of the following two options: ¹	51-54

Three (3) concentrations of 18 credit hours each from the list of approved concentrations below;

Two (2) concentrations of 18 credit hours each from the list of approved concentrations below and one (1) 15-credit hour minor from the list of approved minors.

Approved Concentrations: ²

Business, Justice Studies, Music, Public Administration, Sociology, and Writing

Approved Minors ³

Business, Justice Studies, Sociology, and Writing

Required Capstone Course (1 Credit Hours)

IDS 4111	Capstone in Interdisciplinary Studies	1
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Elective (5 Credit Hours)

Select 5-8 credit hours of Electives	5-8
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Total Credit Hours	126
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¹ Of the total number of hours for the major, 42 of the credit hours must be at the upper division level.

² Note: Please check with B.G.S. advisor for detailed information on Approved Concentrations

³ Please check with B.G.S. advisor for detailed information on Approved Minors.

Other Program Requirements

- Students must have a 2.0 total institution GPA overall and a total GPA of 2.0 in each concentration (or minor).

Advisement

Advisement: The program is administered by the College of Liberal Arts and Social Sciences. The CLASS Advisement Center and the Online BGS program office are located in the Carroll Building, Room 2244. Contact: Office of the Online BGS Director, (912) 478-7128 or (912) 478-2316.

Center for Africana Studies

The mission of the Africana Studies program is to serve as a centralized instructional, service, and research program for students, faculty, and the community to explore the history, culture, and ideas of peoples of African descent. The program broadens students' understanding of the global community through transcultural opportunities and foster students' talents for leadership, scholarship, and personal development. The program allows students to explore the vast and complex cultures of the African Diaspora by visiting civilizations of the past and examining the contributions of African people in world affairs. The program also allows students to capitalize on the unparalleled opportunities that exist in the southern region of Georgia to study African and African-American connections, as observed in the Gullah/Geechee cultures and the African influences on the culture of the southern United States.

Africana Studies Minor

- Africana Studies Interdisciplinary Minor (p. 175)

Africana Studies Concentration

- Africana Studies Interdisciplinary Concentration (p. 176)

Africana Studies Interdisciplinary Minor

Contact

Center for Africana Studies
Carroll Building
Room 2288

(912) 478-5387

Minor Program

	Credit Hours	
AAST 3230	Introduction to Africa and Its Diaspora	3
AAST 4630	Seminar in Africana Studies	3
An additional 9 semester hours of courses with a significant Africana dimension in at least two disciplines other than the major must be completed for a total of 15 semester hours. Courses may be selected from the list of courses below approved for the minor. Other courses must be approved by the Director of the Africana Studies Interdisciplinary Minor.		
Select 9 credit hours from the following:		9
AAST 3030	Selected Topics in Africana Studies	
AAST/HIST 3130	African American History to 1877	
AAST/HIST 3131	African American History Since 1877	
AAST 3330	Yoruba Culture and Civilization	
AAST/THEA 3332	African American Theatre	
AAST/FREN 3336	Francophone Cultures of Africa and the Caribbean	
AAST/ARTH 3435	African Art History	
AAST/ARTH 3436	African American Art History	
AAST/HIST/INTS 3530	History of Africa to 1800	
AAST/HIST/INTS 3531	History of Africa since 1800	
ANTH/LING 4133	Gullah and Geechee Language and Culture	
AAST/GEOG 4330	Geography of Africa South of the Sahara	
AAST/COMS 4337	Rhetoric of Social Movements	
AAST/HIST 4530	Revelation and Revolution	
AAST/HIST 4532	Destruction of Slavery	
AAST 4630	Seminar in Africana Studies	
AAST 4890	Directed Individual Study in Yoruba	
AAST/HIST 5233	The American City	
ENGL 3231	Survey of African-American Literature	
ENGL 5539	Literature by Women	
LING/ANTH/WRIT 5530	Sociolinguistics	
MUSC 5236	Jazz History	
POLS 3237	African American Politics	
POLS 3431	African Politics	
SOCI 3235	Race and Ethnicity	
SOCI 4431	Inequality	
Total Credit Hours		15

Africana Studies Interdisciplinary Concentration

Contact

Center for Africana Studies
Carroll Building
Room 2288
(912) 478-5387

Concentration Program

	Credit Hours	
AAST 3230	Introduction to Africa and Its Diaspora	3
Five other courses, with at least one each from the humanities and the social sciences.		15
Total Credit Hours		18

A list of approved courses is available from the Center for Africana Studies.

Center for Irish Research and Teaching

The mission of the Irish Studies program is to familiarize our diverse student body with the history, literature, culture, and politics of Ireland and the worldwide Irish diaspora, especially the Irish of the American South. By demonstrating applications to both the academic world and students' everyday lives, the program is able to introduce students to interdisciplinary approaches in ethnic and international studies. The Irish Studies program offers direct firsthand opportunities for students to broaden their understanding of and engagement with various issues of cultural identity, developments in nationalism, and international experiences. Irish Studies students are asked to consistently hone their understanding of world cultures in order to effectively create new knowledge and construct innovative critical assessments of historical and contemporary Irish situations and issues. The program, in concurrence with the disciplinary standards and overall mission of the University, distills within our students the spirit of integrity, civility, kindness, and collaboration, as well as a commitment to lifelong learning, wellness, and social responsibility.

Irish Studies Minor

- Irish Studies Interdisciplinary Minor (p. 176)

Irish Studies Interdisciplinary Minor

Contact

Center for Irish Research and Teaching
Carroll Building
Room 2288
irish@georgiasouthern.edu
<http://class.georgiasouthern.edu/irish>

Minor Program

The interdisciplinary Minor in Irish Studies requires fifteen credit hours of courses with a significant Irish dimension. Twelve of the required fifteen credit hours must derive from upper-division courses. Three of the required fifteen credit hours may, but do not have to, derive from lower-division courses.

Courses may be selected from the list of courses below approved for the minor. Other courses with an Irish concentration must be approved by the Director of the Center for Irish Research and Teaching.

On a regular basis, students pursuing the Minor in Irish Studies should consult with the Director of the Center for Irish Research and Teaching. They should also check the semester-by-semester course listings on the Center for Irish Research and Teaching webpage. To supplement the list of courses approved for the Minor in Irish Studies, the Center generally offers additional Irish courses through its summer study-in-Ireland program at the Waterford Institute of Technology in southeast Ireland.

	Credit Hours
Select 15 credit hours from the following:	15
ANTH 3332 European Cultures	
ENGL 5136 Medieval British Literature: 700-1450	
ENGL 5235 Irish Literature to 1850	
ENGL 5236 Irish Literature since 1850	
ENGL 5238 Irish Women Writers	
HIST 3431 Modern Britain: 1485 to the Present	
IRSH 1001 Gaelic Irish I	
IRSH 2001 Gaelic Irish II	
IRSH 2130 Introduction to Irish Culture	
IRSH 3090 Selected Topics in Irish Studies	
IRSH/THEA 3333 Irish Theatre	
IRSH 3430 Ireland in Film	
IRSH/POLS 3432 Celtic Identity and Conflict	
PHIL 4433 The Irish Philosophical Tradition	
Total Credit Hours	15

Department of Communication Arts

The Department of Communication Arts provides a forum through which students can develop life skills such as confidence in oral and written presentations, communication skills, and critical analysis and problem solving skills. Students in the Department represent a broad spectrum of majors, interests, and career possibilities in Communication Studies, Multimedia Film & Production, Multimedia Journalism, Public Relations, and Theatre. Students work together and with faculty on research projects, state-of-the-art productions, events, online news outlets, and broadcasts.

Students graduating with a **B.A. degree in Theatre** will be able to:

- 1) critically analyze play texts and pieces of theatre (productions, performance events, etc.), using the vocabulary of the field, and will ascribe meaning to the usages and applications of production elements.
- 2) develop and defend informed judgments of play texts and pieces of theatre, and will effectively articulate complex ideas in both written and oral communication. Students will create and articulate a personal aesthetic that applies the vocabulary of the focus area (acting, directing, design/technology, stage management).
- 3) recognize historical styles, and the cultural forces that shaped them; students will be conversant with the major theatrical periods, personages, and technological innovations that have shaped the development of theatre, and will be able to differentiate the defining characteristics of distinct periods and styles.
- 4) conduct research by selecting appropriate resources to inform artistic decisions; students will analyze and synthesize information from multiple sources in the construction of a production, design, or acting concept.

Students will assess scholarship in the field and connect that scholarship to their understanding of historical practice.

5) demonstrate the ability to collaborate effectively with both peers and professionals in a production setting, consistently demonstrating a disciplined usage of professional working standards. Students will produce a body of work built on sound professional practices, which is presented in a portfolio appropriate to the focus area; students will identify career opportunities within the focus area.

Students earning the **B.S. in Communication Studies** will:

- 1) develop a research prospectus employing appropriate methodologies to study their stated communication research question and/or hypothesis regarding human communication behavior.
- 2) develop an analysis of a communication artifact utilizing an appropriate rhetorical criticism model.
- 3) develop a research report that applies Dewey's Reflective Thinking Method to a contemporary communication problem to reach a rational solution to the problem.
- 4) demonstrate knowledge of various rhetorical criticism models used to analyze speeches and/or rhetorical movements.
- 5) demonstrate knowledge pertaining to the historical underpinnings of the field of Communication Studies and how historical developments have influenced the current study of communication.
- 6) utilize current events as data for analysis of arguments in persuasive communication.
- 7) demonstrate an awareness of ethical standards as related to original research.
- 8) demonstrate an awareness of ethical standards as they relate to persuasive communication.
- 9) recognize the importance of culture and its impact on the reception of communication messages.
- 10) demonstrate the ability to adapt the content of an oral performance to the audience.

Graduates of the **B.S. Journalism (Multimedia Journalism)** program will be able to:

- 1) create news stories at a professional level, using appropriate media platforms.
- 2) apply critical thinking and problem-solving concepts in selecting relevant sources and collecting information in order to synthesize complex information for mass audiences.
- 3) critique and correct news content for accuracy, fairness, grammatical correctness, aesthetic values and appropriateness for diverse audiences.
- 4) analyze and evaluate the potential legal and ethical implications of journalistic communication.
- 5) differentiate historical and current patterns in media coverage, and to connect those patterns and to assess their relationships to ongoing societal issues.

Students in the **B.S. Multimedia Communication (Film & Production Emphasis)** program will be able to:

- 1) identify a media related research problem and propose a cogent solution, incorporating appropriate theories and research methodologies;

- 2) analyze how specific groups of people, based on race, ethnicity, gender, sexual orientation, and disabilities, are represented in the media;
- 3) apply critical thinking skills in their ability to accurately research, write, and produce stories across multiple media platforms;
- 4) identify and analyze historical and/or current influences that have impacted and/or are continually affecting changes in the multimedia industries; and
- 5) identify and analyze the influences and role of ethical and legal issues within the multimedia discipline.

Students earning the **B.S. in Public Relations** will:

- 1) be able to assess organizational problems and research solutions using primary and secondary methodologies, and will create solutions using appropriate interpersonal and mass media channels.
- 2) construct public relations plans and collaterals integrating public relations principles and theories.
- 3) be able to connect the historical developments of public relations with current practices.
- 4) be able to assess and evaluate key legal concepts and ethical implications related to public relations communication.
- 5) be able to design audience analyses for organizational issues, and will be able to suggest and adapt messages designed for a variety of audiences and media.

Communication Arts Majors

- Communication Studies B.S. (p. 178)
- Journalism B.S. (Multimedia Journalism Emphasis) (p. 179)
- Multimedia Communication B.S. (Film & Production Emphasis) (p. 180)
- Public Relations B.S. (p. 181)
- Theatre B.A. (p. 182)

Communication Arts Minors

- Communication Studies (p. 182)
- Film Studies Interdisciplinary Minor (p. 183)
- Journalism (p. 183)
- Multimedia Communication (p. 183)
- Public Relations (p. 183)
- Theatre (p. 184)

Communication Arts Concentrations

- Multimedia Communication Second Discipline Concentration (p. 184)
- Multimedia for Information Second Discipline Concentration (p. 184)

Communication Studies B.S.

Degree Requirements: 126 Credit Hours

See *Core Curriculum* for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3

Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum		4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum		6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum		11
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum		12
Area F - Courses Appropriate to Major (18 Credit Hours)		
COMM 1100	Introduction to Human Communication	3
COMM 1110	Principles of Public Speaking	3
COMM 2332	Media and Society	3
COMS 2330	Introduction to Communication Research	3
Select one of the following:		3
FILM 2331	Introduction to Film Studies	
MMJ 2331	Introduction to Journalism	
PRCA 2330	Introduction to Public Relations	
THEA 2333	Fundamentals of Acting	
Select one of the following:		3
Foreign Language - through 2001		
Significant International Content Course		
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Major Requirements (18 Credit Hours)		
COMS 3332	Small Group Communication	3
COMS 3335	Interpersonal Communication	3
COMS 3337	Persuasion	3
COMS 3338	Rhetorical Criticism	3
COMS 4333	General Semantics	3
COMS 4334	Communication Theory	3
Additional upper division requirements		
Select 18-20 credit hours of additional upper division requirements:		18-20
COMS 1711	Communication Studies Practicum	
or COMS 2711	Communication Studies Practicum	
COMS 3030	Selected Topics in Communication Studies	
COMS 3330	Health Communication	
COMS 3331	Argumentation	
COMS 3333	Communication and Gender	
COMS 3334	Communicating in the Workplace	
COMS 3336	Introduction to Performance Studies	
COMS 3339	Intercultural Communications	
COMS 3430	Communication and Leadership	
COMS 3711	Communication Studies Practicum	
COMS 4330	Rhetoric of International Relations	
COMS 4331	Communication and Conflict	
COMS 4332	Political Communication	
COMS 4336	Performance, Culture, Communication	
COMS 4337	Rhetoric of Social Movements	

COMS 4338	Organizational Communication	
COMS 4339	Philosophy of Communication	
COMS 4711	Communication Studies Practicum	
COMS 4831	Directed Study in Communication Studies	
COMS 4791	Communication Studies Internship (only 6 hours may count toward these requirements)	
Upper Division Communication Arts Electives (Other Than Communication Studies Courses)		9-12
Elective		
Select 10-15 credit hours of Electives		10-15
Total Credit Hours		126

Program Admission Criteria

- Students must have a total institution GPA of 2.35 and 30 earned hours to become a major in this Communication Arts program.
- Students with fewer than 30 credit hours and/or less than 2.35 total institution GPA will be considered "Pre-Communication Studies".

Other Program Requirements

- Students must make a minimum grade of "C" in each Communication Arts class to receive credit for that course.
- "Pre-Communication Studies" students cannot take upper division Communication Arts classes.
- Students must have a total institution GPA of 2.5 before enrolling for internship credit hours (Communication Studies Internship (COMS 4791)).

Honors in Communication Studies

To graduate with Honors in Communication Studies, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of Honors Research Seminar (UHON 4191) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

All "Pre-Communication Studies" and Communication Studies majors are advised by an advisor located in the CLASS Advisement Center in the Carroll Building, Room 2244, (912) 478-7740. Students in the University Honors Program (UHP) are also advised in the Carroll Building, Room 2244.

Journalism B.S. (Multimedia Journalism Emphasis)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	

Select 4 credit hours from Area B of the Core Curriculum 4

Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)

Select 6 credit hours from Area C of the Core Curriculum 6

Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)

CISM 1110	Computer Applications	3
&CISM 1120	and Computer Concepts (Recommended)	

Select 8 additional credit hours from Area D of the Core Curriculum 8

Area E - Social Sciences (12 Credit Hours)

Select 12 credit hours from Area E of the Core Curriculum 12

Area F - Courses Appropriate to Major (18 Credit Hours)

COMM 1110	Principles of Public Speaking	3
COMM 2332	Media and Society	3
COMS 2330	Introduction to Communication Research	3

IT 1230	Introduction to Web Technologies	3
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MMJ 2331	Introduction to Journalism	3
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Select one of the following: 3

Foreign Language - Intermediate Level (FORL 2001)

INTS 2130	Introduction to International Studies	
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Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
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Physical Education Activities 2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (27 Credit Hours)

COMM 3337	Mass Communication Law	3
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COMM 3530	Media Ethics	3
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COMM 4330	History of Mass Communication	3
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orCOMM 4333	Theories of Mass Communication	
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MMFP 2331	Media Production I	3
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MMJ 3231	Audio Production for Journalists	3
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orMMJ 3335	Copy Editing	
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MMJ 3331	News Reporting and Writing	3
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MMJ 3631	Multimedia Journalism	3
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MMJ 3711	Multimedia Journalism Practicum	3
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&MMJ 4721	and Multimedia Journalism Practicum	
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orMMJ 4190	Multimedia Journalism Applications	
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MMJ 4335	Public Interest Journalism	3
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Major Electives (15 Credit Hours)

Select five upper-division Journalism electives 15

General Electives (18 Credit Hours)

Select a minimum of 18 elective credit hours, to include a minimum of 6 upper-division elective credit hours in one discipline 18

Total Credit Hours 126

Program Admission Criteria

- Students must have a total institution GPA of 2.35 and 30 earned credit hours to become a major in this Communication Arts program.
- Students with fewer than 30 credit hours and/or less than 2.35 total institution GPA will be considered "Pre-Journalism" students.

Other Program Requirements

- Students must make a minimum grade of "C" in each Communication Arts class to receive credit hour for that course.
- "Pre-Journalism" students cannot take upper division Communication Arts classes.

Honors in Journalism

To graduate with Honors in Journalism, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of Honors Research Seminar (UHON 4191) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

All "Pre-Journalism" and Journalism majors are advised in the Department of Communication Arts, Sanford Hall, (912) 478-5138. Students in the University Honors Program (UHP) are also advised in the Department.

Multimedia Communication B.S. (Film & Production Emphasis)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
COMM 1110 Principles of Public Speaking (Recommended)	3
Select 3 additional credit hours from Area C of the Core Curriculum	3
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
CISM 1110 Computer Applications	3
&CISM 1120 and Computer Concepts (Recommended)	
Select 8 additional credit hours from Area D of the Core Curriculum	8
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
COMM 2332 Media and Society	3
COMS 2330 Introduction to Communication Research	3
FILM 2331 Introduction to Film Studies	3
IT 1230 Introduction to Web Technologies	3
MMFP 2335 Introduction to Media Writing ¹	3

Select one of the following:	3
Foreign Language - through 2001	
Significant International Content Course	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Major Requirements (27 Credit Hours)	
COMM 3337 Mass Communication Law	3
COMM 3530 Media Ethics	3
COMM 4330 History of Mass Communication	3
orCOMM 4333 Theories of Mass Communication	
orFILM 3331 History of American Film	
MMFP 2331 Media Production I ¹	3
MMFP 2336 Audio Production and Sound Design ¹	3
MMFP 3331 Media Production II	3
MMFP 4090 Multimedia Applications (1 hour and 2 hour; total 3 hours)	3
MMFP 4431 Senior Project I	3
MMFP 4432 Senior Project II	3
Major Electives 9-12	
Choose 3 courses if selecting a minor; otherwise choose 4 courses:	
MMFP 3030 Selected Multimedia Topics	
MMFP 3431 Broadcast Performance	
MMFP 3436 Advanced Audio Production	
MMFP 3531 Screenwriting for Film and Television	
MMFP 3533 Narrative Film Production	
MMFP 4135 Lighting and Cinematography	
MMFP 4331 Sports Production	
MMFP 4335 Documentary Writing and Production	
MMFP 4337 Digital Media Post Production	
MMFP 4791 Multimedia Film or Production Internship (requires 2.75 GPA)	
orMMFP 4792 Multimedia Film or Production Internship	
MMFP 4891 Directed Multimedia Study	
Major Area Electives (6 Credit Hours)	
Select 2 courses:	6
Other Communication Arts electives may be selected with advisor approval	
COMM 3331 Media Criticism	
COMM 3336 International Media Systems	
COMM 3430 Media Management and Sales	
COMM 4330 History of Mass Communication	
COMM 4333 Theories of Mass Communication	
COMS 3332 Small Group Communication	
COMS 4331 Communication and Conflict	
FILM 3000 - 4000 - Upper Division Film Studies Course	
General Electives 15-18	
Select at least 2 courses in one area of study with Advisor approval	
Total Credit Hours	126

- ¹ Should be taken concurrently with MMFP 2331 and MMFP 2336 and a "C" or higher grade must be earned in each before a student will be permitted to register for higher numbered MMFP courses.

Program Admission Criteria

- Students must have a total institution GPA of 2.50
- Students with fewer than 30 credit hours and/or less than 2.50 total institution GPA will be considered "Pre-Multimedia Communication" students.

Other Program Requirements

- Students must make a minimum grade of "C" in each Communication Arts class to receive credit for that course.
- "Pre-Multimedia Communication" students cannot take upper division Communication Arts classes.
- A total institution GPA of 2.75 is required to register for internship credit. A maximum of 3 credit hours of internship credit can be applied to major requirements. The deadlines for applying for internships are October 1 for Spring semester, February 1 for Summer semester, and March 1 for the following Fall semester placement. Secure forms and submit the appropriate materials to the Internship Coordinator.

Honors in Multimedia Communication

To graduate with Honors in Multimedia Communication, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of Honors Research Seminar (UHON 4191) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

All "Pre-Multimedia Communication" and Multimedia Communication majors are advised in the Department of Communication Arts, Sanford Hall, (912) 478-5138. Students in the University Honors Program (UHP) are also advised in the Department.

Public Relations B.S.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12

Area F - Courses Appropriate to Major (18 Credit Hours)

ART 2233	Computer Graphics	3
orIT 1230	Introduction to Web Technologies	
COMM 1110	Principles of Public Speaking	3
COMM 1100	Introduction to Human Communication	3
orCOMS 2330	Introduction to Communication Research	
COMM 2332	Media and Society	3
MMJ 2331	Introduction to Journalism	3
Select one of the following:		3

Foreign Language - through 2001

Significant International Content Course

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (40 Credit Hours)

COMS - upper division course		3
MMJ 3331	News Reporting and Writing	3
PRCA 2330	Introduction to Public Relations	3
PRCA 3330	Public Relations Writing	3
PRCA 3711	Public Relations Practicum	1
PRCA 4330	Public Relations Research	3
PRCA 4339	Public Relations Campaign Strategies	3
PRCA 4791	Public Relations Internship ¹	3
orPRCA 4335	Senior Seminar in Public Relations	
PRCA - two upper division courses		6
Select one from the following media elective courses:		3

MMJ 3332 Feature Writing

MMJ 3335 Copy Editing

MMJ 3631 Multimedia Journalism

PRCA 3339 Public Relations Publications

Select two of the following theory/law elective courses: 6

COMM 3337 Mass Communication Law

COMM 3530 Media Ethics

COMM 4333 Theories of Mass Communication

COMS 4333 General Semantics

COMS 4334 Communication Theory

Select 3 credit hours from the following: 3

Upper Division Elective from COMM, COMS, FILM, MMFP, MMJ, PRCA, or THEA

Courses in Related Areas (6 Credit Hours)

MKTG 3131	Principles of Marketing	3
MKTG 3132	Principles of Advertising	3

Elective (14 Credit Hours)

Select 14 credit hours of Electives 14

Total Credit Hours 126

- ¹ A total institution GPA of 2.5 is required to register for internship credit. A maximum of 3 hours of internship can be applied toward graduation requirements.

Program Admission Criteria

- Students must have a total institution GPA of 2.35 and 30 earned hours to become a major in this Communication Arts program.

- Students with fewer than 30 hours and/or less than 2.35 total institutional GPA will be considered "Pre-Public Relations" students and advised by Communication Arts Advisement.

Other Program Information

- Students must make a minimum grade of "C" in each Communication Arts class to receive credit hour for that course.
- "Pre-Public Relations" students cannot take upper division Communication Arts classes.

Honors in Public Relations

To graduate with Honors in Public Relations, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of UHON 4191 over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

All "Pre-Public Relations" and Public Relations majors are advised in the Department of Communication Arts, Sanford Hall, (912) 478-5138. Students in the University Honors Program (UHP) are also advised in the Department.

Theatre B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
THEA 1100 Theatre Appreciation	3
THEA 1250 Introduction to Production Concepts	3
THEA 2332 Stagecraft	3
THEA 2333 Fundamentals of Acting	3
Foreign Language 2001 - Intermediate I	3
Foreign Language 2001 - Intermediate II	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (33 Credit Hours)

Specific Requirements:

THEA 2331	Stage Make-up	3
THEA 2711	Theatre Practicum	1
THEA 3230	Voice for the Stage	3
THEA 3232	Vectorworks for the Stage	3
Any Upper Division Theatre Design course		3
THEA 3337	Play Directing	3
THEA 3711	Practicum: Professional Development	1
THEA 4330	Theatre History I: Origins to 1700	3
THEA 4331	Theatre History II: 1700 to Contemporary	3
THEA 4711	Practicum: Capstone	1

Select 9 credit hours from the following:

COMS 3336	Introduction to Performance Studies	9
COMS 4336	Performance, Culture, Communication	
MMFP 3436	Advanced Audio Production	
MMFP 4135	Lighting and Cinematography	
THEA 3231	Movement for the Actor	
THEA 3233	Audition and the Business of Acting	
THEA 3234	Acting for the Screen	
THEA 3330	Acting: Scene Study	
THEA 3331	Advanced Stagecraft	
THEA 3332	African American Theatre	
THEA 3333	Irish Theatre	
THEA 3336	Theatre Management	
THEA 3338	Rehearsal and Performance	
THEA 4332	Children's Theatre and Storytelling	
THEA 4333	Acting Styles	
THEA 4334	Drama in Performance	
THEA 4335	Scene Design	
THEA 4336	Lighting Design	
THEA 4337	Costume Design	
THEA 4338	Seminar: World Theatre	
THEA 5530	Playwriting	

Electives (12 Credit Hours)

Select 12 credit hours of Electives	12
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Minor - Required (15 Credit Hours)

Select 15 credit hours of Minor	15
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Total Credit Hours	126
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Other Program Requirements

- Students must make a minimum grade of "C" in each Communication Arts class to receive credit for that course.

Advisement

All Theatre majors are advised in the Foy Building, Room 3002, (912) 478-7740. Students in the University Honors Program (UHP) are also advised in the Foy Building, Room 3002.

Communication Studies Minor

Contact

Chair, Department of Communication Arts
Sanford Hall

(912) 478-5138

Prerequisite(s)

	Credit Hours
COMM 1100 Introduction to Human Communication	3
COMM 1110 Principles of Public Speaking	3
Total Credit Hours	6

Minor Program

	Credit Hours
COMS - Upper division courses	15
Total Credit Hours	15

Film Studies Interdisciplinary Minor

Contact

Department of Literature and Philosophy
(912) 478-5771

	Credit Hours
Required Minor Core Courses (6 Credit Hours)	
ENGL 2434 The Language of Film	3
or FILM 2331 Introduction to Film Studies	
FILM 3331 History of American Film	3
Minor Electives (9 Credit Hours)	
Select three of the following:	9
ENGL 3232 The Art of Film Adaptation of Literature	
ENGL 3535 Patterns in Film and Literature	
FILM 3030 Selected Topics in Film	
FILM 3332 Documentary Film	
FILM 3333 Art of Film	
IRSH 3430 Ireland in Film	
POLS 3334 Film and Politics	
Total Credit Hours	15

Journalism Minor

Contact

Chair, Department of Communication Arts
Sanford Hall
(912) 478-5138

Prerequisite(s)

	Credit Hours
COMM 2332 Media and Society	3
MMJ 2331 Introduction to Journalism	3
Total Credit Hours	6

Minor Program

	Credit Hours
COMM 3337 Mass Communication Law	3
MMJ 3231 Audio Production for Journalists	3
or MMJ 3335 Copy Editing	

MMJ 3331 News Reporting and Writing	3
MMJ 3631 Multimedia Journalism	3
MMJ - Upper division elective ¹	3
Total Credit Hours	15

¹ *Public Relations Majors, for whom News Reporting and Writing (MMJ 3331) is a requirement for their major, must take an additional MMJ upper division elective.*

Multimedia Communication Minor

Contact

Chair, Department of Communication Arts
Sanford Hall
(912) 478-5138

Prerequisite(s)

	Credit Hours
COMM 2332 Media and Society	3
Total Credit Hours	3

Minor Program

	Credit Hours
COMM 3337 Mass Communication Law	3
or COMM 3530 Media Ethics	
MMFP 2331 Media Production I ¹	3
MMFP 2335 Introduction to Media Writing ¹	3
MMFP 2336 Audio Production and Sound Design ¹	3
MMFP - Two Upper Division courses	6
Total Credit Hours	18

¹ *Media Production I (MMFP 2331), Introduction to Media Writing (MMFP 2335), and Audio Production and Sound Design (MMFP 2336) must be taken concurrently and a "C" or higher grade must be earned in each before a student will be permitted to register for higher numbered MMFP courses.*

Public Relations Minor

Contact

Chair, Department of Communication Arts
Sanford Hall
(912) 478-5138

Prerequisite(s)

	Credit Hours
COMM 2332 Media and Society	3
MMJ 2331 Introduction to Journalism	3
Total Credit Hours	6

Minor Program

	Credit Hours
COMM 3337 Mass Communication Law	3
PRCA 2330 Introduction to Public Relations	3
PRCA 3330 Public Relations Writing	3

PRCA - Upper Division electives with appropriate prerequisites (Upper Division electives cannot include internship courses)

Total Credit Hours 15

Theatre Minor

Contact

Chair, Department of Communication Arts
Sanford Hall
(912) 478-5138

Prerequisite(s)

	Credit Hours
THEA 1100 Theatre Appreciation	3
Total Credit Hours	3

Minor Program

	Credit Hours
THEA 2333 Fundamentals of Acting or THEA 2332 Stagecraft	3
THEA - Upper Division courses	12
Total Credit Hours	15

Multimedia Communication Second Discipline Concentration

Contact

Chair, Department of Communication Arts
Veazey Hall
3rd Floor
(912) 478-5138

	Credit Hours
Area F (3 Credit Hours)	
COMM 2332 Media and Society	3
Required Courses (18 Credit Hours)	
COMM 3337 Mass Communication Law or COMM 3530 Media Ethics	3
MMFP 2331 Media Production I ¹	3
MMFP 2335 Introduction to Media Writing ¹	3
MMFP 2336 Audio Production and Sound Design ¹	3
MMFP - Two Upper Division elective courses	6
Total Credit Hours	18

¹ Should be taken concurrently with MMFP 2331 and MMFP 2336 and a "C" or higher grade must be earned in each before a student will be permitted to register for higher numbered MMFP courses.

Multimedia for Information Second Discipline Concentration

Contact

Chair, Department of Communication Arts
Veazey Hall
3rd Floor
(912) 478-5138

	Credit Hours
Area F (6 Credit Hours)	
COMM 2332 Media and Society	3
GCM 1321 Desktop Publishing	2
GCM 1411 Desktop Publishing Laboratory	1

	Credit Hours
Required Courses (15 Credit Hours)	
GCM 5332 Multimedia Presentations	3
MMFP 2335 Introduction to Media Writing	3
Select a minimum of 9 credit hours from the following Elective courses: (Students in the Web and Multimedia Foundations specialization must select a minimum of 12 credit hours from the following electives)	9
GCM 4232 Photo Preparation for Reproduction	
GCM 5234 Color Reproduction	
GCM 5314 Color Reproduction Laboratory	
MMJ 3631 Multimedia Journalism	
Total Credit Hours	15

Note: Certain GCM prerequisites are waived for students in Second Disciplines. Please contact the GCM Second Discipline advisor.

Department of Criminal Justice and Criminology

The Department of Criminal Justice and Criminology provides a comprehensive examination of justice, crime, and the law. Our classes foster a broad understanding of the nature of justice, crime, and the law, in addition to the social, political, legal, philosophic, and historical context in which questions of justice are addressed, both in the United States and around the world. Students are expected to develop not only knowledge but a commitment to public service, ethical consciousness, and leadership abilities. Through the course work in Criminal Justice and Criminology, students are equipped to become proficient writers, critical and independent thinkers, and effective communicators. Graduates of the Department are prepared for graduate school, law school, and professions within the criminal justice system.

The Department recognizes that the issues of crime and justice are complex, controversial topics that are open to different interpretations. As such, we are committed to an open intellectual environment that encourages teaching, scholarship, and discussion from a diversity of theoretical perspectives and research methodologies. The curriculum of the Department reflects these values by offering a broad foundation of courses drawing on criminal justice, criminology, political science, sociology, public administration, and the law. The curriculum integrates these approaches to provide an understanding of the challenges of achieving justice in a complex society.

Students completing the B.S.J.S. degree in Justice Studies will be able to demonstrate the following abilities:

- 1) Evaluate the merits of competing theoretical perspectives used to explain the nature of crime and demonstrate an ability to apply criminological theories to specific types of crime;
- 2) Demonstrate an ability to apply ethical principles to criminal justice issues, policies, and practices, and evaluate their implications;
- 3) Explain the criminal justice process, the role of discretion among criminal justice actors, and evaluate best practices;
- 4) Compare and contrast the United States criminal justice system with that of other nations with an understanding of historical and cultural contexts;
- 5) Evaluate the historical, political, and social contexts and empirical support for a particular criminal justice policy area;
- 6) Demonstrate an understanding of the research process by both conducting original research and analyzing existing data.

Criminal Justice and Criminology Major

- Justice Studies B.S.J.S. (p. 185)

Criminal Justice and Criminology Minor

- Justice Studies (p. 186)

Criminal Justice and Criminology Concentration

- Information Technology and the Administration of Justice Second Discipline Concentration (p. 187)

Justice Studies B.S.J.S.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
CRJU 1100 Introduction to Criminal Justice	3
CRJU 2131 Justice and Ethics	3
PSYC 1101 Introduction to Psychology	3
SOCI 1101 Introduction to Sociology	3
STAT 2231 Introduction to Statistics I	3
Select 3 credit hours from the following:	3
ANTH 1102 Introduction to Anthropology	
CISM 1110 Computer Applications	
&CISM 1120 and Computer Concepts	

COMM 1110 Principles of Public Speaking	
Foreign Language 1001 - Elementary I OR Foreign Language 1002 - Elementary II	
Foreign Language 2001 - Intermediate I OR Foreign Language 2002 - Intermediate II	
GEOG 1130 World Regional Geography	
INTS 2130 Introduction to International Studies	
PHIL 2010 Introduction to Philosophy	
PHIL 2020 Critical Thinking	
POLS 2101 Introduction to Political Science	
If any required Area F courses are taken to satisfy other areas of the core, select from the courses listed above.	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Major Requirements (45 Credit Hours)	
Major Courses: (21 Credit Hours)	
CRJU 3137 Judicial Process	3
CRJU 3230 Policing	3
CRJU 3331 Corrections	3
CRJU 4032 Criminal Behavior	3
CRJU 4231 Justice Studies Research Methods	3
CRJU 4531 Comparative World Justice Systems	3
CRJU 4632 Senior Seminar in Justice Studies	3
orCRJU 4792 Internship in Justice Studies	
Select 15 credit hours from the following Upper Division courses:	15
CRJU 3131 Criminal Law	
CRJU 3133 Criminal Procedure	
CRJU 3134 Investigations	
CRJU 3431 Juvenile Justice	
CRJU 3432 Gangs and Society	
CRJU 3531 Victimology	
CRJU 3532 Organized Criminality	
CRJU 3533 Crimes Against Vulnerable Populations	
CRJU 3534 Drugs and Society	
CRJU 3535 Family Violence	
CRJU 3536 School Violence	
CRJU 3537 Communities and Crime	
CRJU 3631 Crime and Justice in Public Policy	
CRJU 3632 The Death Penalty	
CRJU 3731 Crimes Against Humanity	
CRJU 3733 Equality, Crime, and Justice	
CRJU 3831 Popular Culture and Justice	
CRJU 3931 Issues in Homeland Security	
CRJU 4031 Counseling and Supervising Offenders	
CRJU 4135 Directed Study in Justice Studies	
CRJU 4192 Special Topics	
CRJU 4639 Inside-Out	
CRJU 4733 Theories of Justice	
CRJU 4792 Internship in Justice Studies	
CRJU 4830 Justice Administration	

Select 9 credit hours from the following Multidisciplinary courses: Students are required to take a total of 9 credit hours related to Diversity, Human Behavior, and Institutional Processes; at least one course is required from each of those areas.

Diversity: (at least one course required from this area)

ANTH 3331	Cultural Anthropology
ANTH 3333	North American Indians
ANTH 4332	Gender and Anthropology
COMS 3333	Communication and Gender
COMS 3339	Intercultural Communications
ENGL 3231	Survey of African-American Literature
GEOG 3530	Cultural Geography
HIST 3130	African American History to 1877
HIST 3131	African American History Since 1877
HIST 3137	Topics in U.S. Women's History
HIST 3532	The Modern Middle East
HIST 3534	Modern Southeast Asia
HIST 3538	Modern Latin America
HIST 4134	The Civil Rights Movement
INTS 3130	Contemporary World Cultures
PHIL 4130	Feminist Philosophy
POLS 3139	Constitutional Law: Civil Liberties and Civil Rights
POLS 3235	Gender and Politics
POLS 3237	African American Politics
POLS 3335	Ethnicity and Nationalism
POLS 3133	Latin American Politics
PSYC 3232	Psychology of Gender
SOCI 3235	Race and Ethnicity
SOCI 4332	Sociology of Gender
SOCI 4431	Inequality

Human Behavior: (at least one course required from this area)

LSTD 4633	Forensic Interviews and Interrogations
POLS 4138	International Terrorism
PSYC 3235	Behavior Modification
PSYC 3236	Psychology of Substance Abuse
PSYC 3330	Abnormal Psychology
PSYC 3334	Social Psychology
PSYC 3335	Personality Psychology
PSYC 4430	Cognitive Psychology
PSYC 4431	Motivation and Emotion
PUBH 3130	Substance Use and Abuse
SOCI 3333	Deviance
SOCI 4335	Self and Society

Institutional Processes: (at least one course required from this area)

COMS 3334	Communicating in the Workplace
COMS 4338	Organizational Communication
LING 3337	Language, Power, Politics
LSTD 3630	White Collar Crime
LSTD 3631	Fraud and the Law
MGNT 3130	Principles of Management
PHIL 3232	Philosophy of Law
POLS 3138	Constitutional Law: Government Powers
POLS 3233	Politics and The Media
POLS 3330	State and Local Government

POLS 3331	Introduction to Bureaucratic Politics
PSYC 3234	Industrial/Organizational Psychology
SOCI 3336	Social Problems
SOCI 4132	Sociology of Community
SOCI 4138	Sociology of the Family
SOCI 4231	Child Welfare and Family Services
SOCI 4232	Social Welfare Policy and Services
SOCI 4334	Organizations, Work, and Technology

Elective (15 Credit Hours)

Select 15 credit hours of Electives	15
(A maximum of 9 credit hours of internship may be taken.)	
Total Credit Hours	126

Other Program Requirements

A minimum grade of "C" is required for each Area F, CRJU, and multidisciplinary requirements course taken in the major. This applies to all courses (lower and upper division). If advisor recommends, one "D" allowed if matched by "B" or higher in another course in the major.

Honors in Justice Studies

To graduate with Honors in Justice Studies, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of UHON 4191 over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

All Justice Studies majors, including students in the UHP, are advised by an advisor located in the Carroll Building, Room 1087, (912) 478-7740.

Justice Studies Minor

Contact

Chair, Department of Criminal Justice & Criminology
 Carroll Building
 Room 1100
 (912) 478-1098

Prerequisite(s)

	Credit Hours	
CRJU 1100	Introduction to Criminal Justice	3
Total Credit Hours		3

Minor Program

	Credit Hours
Select 15 credit hours from the following:	15
CRJU - Upper Division courses (15)	
CRJU 2131 and CRJU - Upper Division courses (12)	
Total Credit Hours	15

Information Technology and the Administration of Justice Second Discipline Concentration

Contact

Chair: Department of Criminal Justice & Criminology

		Credit Hours
Area F (3 Credit Hours)		
CRJU 1100	Introduction to Criminal Justice	3
		Credit Hours
Select five from the following:		15
CRJU 2131	Justice and Ethics	
CRJU 3133	Criminal Procedure	
CRJU 3230	Policing	
CRJU 4032	Criminal Behavior	
CRJU 4231	Justice Studies Research Methods	
CRJU 4830	Justice Administration	
Total Credit Hours		15

Department of Foreign Languages

The mission of the Department of Foreign Languages is to address language skills needs, inter-cultural understanding, and global awareness by offering curricula, services, and research that broaden cultural understanding, increase language proficiency, and enable people to function in the global and international settings of southeast Georgia and throughout the world. The programs of the Department serve all academic divisions of the University in providing the language and culture training necessary to support their international and inter-cultural endeavors.

Foreign language proficiency is stressed in every course offered by the Department. Classes are kept small to enable greater student participation and to provide constant reinforcement of language skills in listening, speaking, reading, and writing. All classes, beginning with the first course, are taught in the target foreign language.

Students graduating with a B.A. degree in Modern Languages will:

- 1) demonstrate Advanced-Low Proficiency in speaking as defined by ACTFL. The student who has reached the Advanced-Low proficiency level demonstrates the ability to create with the language and handle a variety of communicative tasks.
- 2) demonstrate Advanced-Low Proficiency in writing as defined by ACTFL. The student who has reached the Advanced-Low proficiency level demonstrates the ability to meet basic work and/or academic writing needs.
- 3) demonstrate Advanced-Mid Proficiency in reading as defined by ACTFL. The student who has reached the Advanced-Mid proficiency level demonstrates the ability to understand conventional narrative and descriptive texts, such as magazine and newspaper articles, short stories, and non-fiction texts.
- 4) demonstrate the ability to think critically by analyzing the intellectual and cultural traditions and artifacts of the regions where the target language is used.

Foreign Language Majors

- Modern Languages B.A. (Concentration in French) (p. 187)
- Modern Languages B.A. (Concentration in German) (p. 188)
- Modern Languages B.A. (Concentration in Spanish) (p. 189)
- Modern Languages Suggested Chronology (p. 190)

Foreign Language Minors

- Arabic (p. 191)
- Chinese (p. 191)
- Foreign Language (p. 191)
- French (p. 192)
- German (p. 192)
- Japanese (p. 192)
- Japanese Studies Interdisciplinary Minor (p. 192)
- Latin (p. 193)
- Spanish (p. 193)

Foreign Language Concentrations

- French Second Discipline Concentration (p. 193)
- German Second Discipline Concentration (p. 193)
- Spanish Second Discipline Concentration (p. 193)

Modern Languages B.A. (Concentration in French)

Degree Requirements: 126 Credit Hours

See *Core Curriculum* for required courses in Area A1 through Area E.

See *Modern Languages Suggested Chronology* for four year suggested course rotation.

		Credit Hours
Area A1 - Communication Skills (6 Credit Hours)		
Select 6 credit hours from Area A1 of the Core Curriculum		6
Area A2 - Quantitative Skills (3 Credit Hours)		
Select 3 credit hours from Area A2 of the Core Curriculum		3
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum		4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum		6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum		11
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum		12
Area F - Courses Appropriate to Major (18 Credit Hours)		
Required:		0-6
FREN 2001	Intermediate French I (or equivalent)	
FREN 2002	Intermediate French II (or equivalent)	
FREN 2060	Accelerated Intermediate French (or equivalent)	
Elective Courses		12-18
ANTH 1102	Introduction to Anthropology	
ARAB 1001	Elementary Arabic I	
&ARAB 1002	and Elementary Arabic II	

ARTH 2531	Art History I
ARTH 2532	Art History II
CHIN 1001 & CHIN 1002	Elementary Chinese I and Elementary Chinese II
COML 2531	Crossing Borders
COMM 1100	Introduction to Human Communication
ENGL 2111	World Literature I
ENGL 2112	World Literature II
FILM 2331	Introduction to Film Studies
FREN 1001 & FREN 1002	Elementary French I and Elementary French II
FREN 1060	Accelerated Elementary French
GEOG 1130	World Regional Geography
GRMN 1001 & GRMN 1002	Elementary German I and Elementary German II
GRMN 1060	Accelerated Elementary German
HIST 1111	World History I: Development of World Civilization
HUMN 2321	Humanities I
HUMN 2322	Humanities II
INTS 2130	Introduction to International Studies
JAPN 1001 & JAPN 1002	Elementary Japanese I and Elementary Japanese II
JAPN 1060	Accelerated Elementary Japanese
LATN 1001 & LATN 1002	Elementary Latin I and Elementary Latin II
LATN 1060	Accelerated Elementary Latin
MUSC 1100	Music Appreciation
PHIL 2010	Introduction to Philosophy
PSYC 1101	Introduction to Psychology
RELS 2130	Introduction to Religion
SOCI 1101	Introduction to Sociology
SPAN 1001 & SPAN 1002	Elementary Spanish I and Elementary Spanish II
SPAN 1060	Accelerated Elementary Spanish
THEA 1100	Theatre Appreciation
YORU 1001 & YORU 1002	Elementary Yoruba I and Elementary Yoruba II

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (24 Credit Hours)

24 upper-division credit hours in FREN, at least 9 of which must be at the 4000 level. (See Course Descriptions for specific course prerequisites.)

Minor or Second Major Required (30 Credit Hours)

Select 15-30 credit hours of Minor or Second Major courses (credit hours will vary according to minor or second major)

Free Electives (6 Credit Hours)

Select 6-21 credit hours of Electives as needed to complete 126 total credit hours (advisor approved)

Total Credit Hours 126

Other Program Requirements

- Students must earn a minimum grade of “C” in each course in French.
- At least 39 of the 126 hours must be upper-division.

Advisement

All Modern Languages majors, including students in the UHP, are advised by an advisor located in the Forest Drive Building, (912) 478-7740.

Modern Languages B.A. (Concentration in German)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

See Modern Languages Suggested Chronology for four year suggested course rotation.

		Credit Hours
Area A1 - Communication Skills (6 Credit Hours)		
Select 6 credit hours from Area A1 of the Core Curriculum		6
Area A2 - Quantitative Skills (3 Credit Hours)		
Select 3 credit hours from Area A2 of the Core Curriculum		3
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum		4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum		6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum		11
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum		12
Area F - Courses Appropriate to Major (18 Credit Hours)		
Required:		0-6
GRMN 2001	Intermediate German I (or equivalent)	
GRMN 2002	Intermediate German II (or equivalent)	
GRMN 2060	Accelerated Intermediate German (or equivalent)	
Elective Courses		12-18
ANTH 1102	Introduction to Anthropology	
ARAB 1001 & ARAB 1002	Elementary Arabic I and Elementary Arabic II	
ARTH 2531	Art History I	
ARTH 2532	Art History II	
CHIN 1001 & CHIN 1002	Elementary Chinese I and Elementary Chinese II	
COML 2531	Crossing Borders	
COMM 1100	Introduction to Human Communication	
ENGL 2111	World Literature I	
ENGL 2112	World Literature II	
FILM 2331	Introduction to Film Studies	
FREN 1001 & FREN 1002	Elementary French I and Elementary French II	
FREN 1060	Accelerated Elementary French	
GEOG 1130	World Regional Geography	
GRMN 1001 & GRMN 1002	Elementary German I and Elementary German II	

GRMN 1060	Accelerated Elementary German	
HIST 1111	World History I: Development of World Civilization	
HUMN 2321	Humanities I	
HUMN 2322	Humanities II	
INTS 2130	Introduction to International Studies	
JAPN 1001 & JAPN 1002	Elementary Japanese I and Elementary Japanese II	
JAPN 1060	Accelerated Elementary Japanese	
LATN 1001 & LATN 1002	Elementary Latin I and Elementary Latin II	
LATN 1060	Accelerated Elementary Latin	
MUSC 1100	Music Appreciation	
PHIL 2010	Introduction to Philosophy	
PSYC 1101	Introduction to Psychology	
RELS 2130	Introduction to Religion	
SOCI 1101	Introduction to Sociology	
SPAN 1001 & SPAN 1002	Elementary Spanish I and Elementary Spanish II	
SPAN 1060	Accelerated Elementary Spanish	
THEA 1100	Theatre Appreciation	
YORU 1001 & YORU 1002	Elementary Yoruba I and Elementary Yoruba II	

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
	Physical Education Activities	2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements

24

24 upper-division credit hours in GRMN, at least 9 of which must be at the 4000 level. (See Course Descriptions for specific course prerequisites.)

Minor or Second Major Required (30 Credit Hours)

Select 15-30 credit hours of Minor or Second Major courses (credit hours will vary according to minor or second major)	15-30
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Free Electives (6 Credit Hours)

Select 6-21 credit hours of Electives as needed to complete 126 total credit hours (advisor approved)	6-21
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Total Credit Hours **126**

Other Program Requirements

- Students must earn a minimum grade of "C" in each course in German.
- At least 39 of the 126 hours must be upper-division.

Advisement

All Modern Languages majors, including students in the UHP, are advised by an advisor in the Forrest Drive Building, (912) 478-7740.

Modern Languages B.A. (Concentration in Spanish)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

See Modern Languages Suggested Chronology for four year suggested course rotation.

Credit Hours

Area A1 - Communication Skills (6 Credit Hours)		
Select 6 credit hours from Area A1 of the Core Curriculum		6
Area A2 - Quantitative Skills (3 Credit Hours)		
Select 3 credit hours from Area A2 of the Core Curriculum		3
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum		4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum		6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum		11
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum		12
Area F - Courses Appropriate to Major (18 Credit Hours)		
Required:		0-6
SPAN 2001	Intermediate Spanish I (or equivalent)	
SPAN 2002	Intermediate Spanish II (or equivalent)	
SPAN 2060	Accelerated Intermediate Spanish (or equivalent)	
Elective Courses		12-18
ANTH 1102	Introduction to Anthropology	
ARAB 1001 & ARAB 1002	Elementary Arabic I and Elementary Arabic II	
ARTH 2531	Art History I	
ARTH 2532	Art History II	
CHIN 1001 & CHIN 1002	Elementary Chinese I and Elementary Chinese II	
COML 2531	Crossing Borders	
COMM 1100	Introduction to Human Communication	
ENGL 2111	World Literature I	
ENGL 2112	World Literature II	
FILM 2331	Introduction to Film Studies	
FREN 1001 & FREN 1002	Elementary French I and Elementary French II	
FREN 1060	Accelerated Elementary French	
GEOG 1130	World Regional Geography	
GRMN 1001 & GRMN 1002	Elementary German I and Elementary German II	
GRMN 1060	Accelerated Elementary German	
HIST 1111	World History I: Development of World Civilization	
HUMN 2321	Humanities I	
HUMN 2322	Humanities II	
INTS 2130	Introduction to International Studies	
JAPN 1001 & JAPN 1002	Elementary Japanese I and Elementary Japanese II	
JAPN 1060	Accelerated Elementary Japanese	
LATN 1001 & LATN 1002	Elementary Latin I and Elementary Latin II	
LATN 1060	Accelerated Elementary Latin	
MUSC 1100	Music Appreciation	
PHIL 2010	Introduction to Philosophy	
PSYC 1101	Introduction to Psychology	

RELS 2130	Introduction to Religion	
SOCI 1101	Introduction to Sociology	
SPAN 1001 & SPAN 1002	Elementary Spanish I and Elementary Spanish II	
SPAN 1060	Accelerated Elementary Spanish	
THEA 1100	Theatre Appreciation	
YORU 1001 & YORU 1002	Elementary Yoruba I and Elementary Yoruba II	

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
	Physical Education Activities	2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
Major Requirements (24 Credit Hours)		
24 upper-division credit hours in SPAN, at least 9 of which must be at the 4000 level. (See Course Descriptions for specific course prerequisites.)		24

Minor or Second Major Required (30 Credit Hours)		
Select 15-30 credit hours of Minor or Second Major courses (credit hours will vary according to minor or second major)		15-30

Free Electives (6 Credit Hours)		
Select 6-21 credit hours of Electives as needed to complete 126 total credit hours (advisor approved)		6-21

Total Credit Hours **126**

Other Program Requirements

- Students must earn a minimum grade of “C” in each course in Spanish.
- At least 39 of the 126 hours must be upper-division.

Advisement

All Modern Languages majors, including students in the UHP, are advised by an advisor located in the Forrest Drive Building, (912) 478-7740.

Modern Languages Suggested Chronology

Modern Languages Suggested Chronology

NOTE REGARDING COURSE ROTATION: Please note that for the Modern Languages major, specific courses are not required; rather, courses at specific levels are required. Therefore, the course rotation consists of courses at a particular level not of particular courses. In order to graduate, students need to take or place out of the basic language sequence (1001, 1002, 2001, 2002). The major courses consist of eight upper-division courses, at least three of which should be at the 4000 level or above. In French and German, two upper-division courses are offered each semester; at least once a year, a 4000-level course is also offered. In Spanish, many 3000-level courses and at least one 4000-level (and one 5000-level, which substitutes for a 4000-level) are offered each semester. Students should plan to take the courses that are offered each semester.

This suggested chronology shows one example of how an incoming freshman with no prior foreign language might complete the Modern Languages degree in four years. **Note that students with prior foreign language experience may be able to complete the degree (much) more quickly.**

Please note, also, that **Study Abroad** is strongly encouraged for Modern Languages majors and is advisable for all Georgia Southern students. To calculate how study abroad might fit into this suggested chronology, please visit with an advisor in the Department of Foreign Languages or in International Studies.

Note: "Foreign Language" represents any of FREN, GRMN, or SPAN.

		First Year	
	Fall Credit Hours	Spring Credit Hours	
ENGL 1101 (Area A1)		3 ENGL 1102 (Area A1)	3
Foreign Language 1001 - Elementary I (Counts for Area F)		3 Foreign Language 1002 - Elementary II (Counts for Area F)	3
FYE 1220 (Additional Core Requirements)	2	FYE 1410 (Area B)	1
KINS - Physical Activity (Additional Core Requirements)	1	HIST 1112 (Area B)	3
MATH (Area A2)	3	HLTH 1520 (Additional Core Requirements)	2
Natural Sciences, Mathematics, and Technology (Area D with lab)	4	Natural Sciences, Mathematics, and Technology (Area D with lab)	4
		16	16

		Second Year	
	Fall Credit Hours	Spring Credit Hours	
Additional Area F		3 Additional Area F	3
Foreign Language 2001 - Intermediate I (Counts for Area F)		3 Foreign Language 2002 - Intermediate II (Counts for Area F)	3
Humanities, Fine Arts, and Ethics Elective (Area C - not Foreign Language)	3	Humanities, Fine Arts, and Ethics Elective (Area C - not Foreign Language)	3
KINS - Physical Activity (Additional Core Requirements)	1	Minor/2nd Major Course	3
Natural Sciences, Mathematics, and Technology (Area D with lab)	4	Minor/2nd Major Course	3
Social Sciences (Area E)	3	Social Sciences (Area E)	3
		17	18

		Third Year	
	Fall Credit Hours	Spring Credit Hours	
Foreign Language 3000 Level		3 Foreign Language 3000 Level	3
Foreign Language 3000 Level		3 Foreign Language 3000 Level	3
Minor/2nd Major Course	3	Minor/2nd Major Course	3
Minor/2nd Major Course	3	Minor/2nd Major Course	3
Minor/2nd Major Course	3	Minor/2nd Major/Elective Course	3
		15	15

	Fall	Credit Hours	Spring	Credit Hours	Fourth Year
Foreign Language 3000 Level		3	Foreign Language 4000 Level	3	
Foreign Language 4000 Level		3	Foreign Language 4000/5000 Level	3	
Minor/2nd Major/Elective Course		3	Minor/2nd Major/Elective Course	3	
Minor/2nd Major/Elective Course		3	Minor/2nd Major/Elective Course	3	
Minor/2nd Major/Elective Course		3	Minor/2nd Major/Elective Course	3	
			Complete Proficiency Exams, Portfolio, Survey		
		15			15

Total Credit Hours: 127

Note: This suggested chronology is designed as a guide for students planning their course selections. The information on this page provides only a suggested schedule. Actual course selections should be made with the advice of an academic advisor. This suggested chronology is not considered a legal substitute for the University Catalog. Students should become familiar with the catalog that they will use to define their graduation requirements.

Arabic Minor

Contact

Chair, Department of Foreign Languages
Forest Drive Building
Room 1302
(912) 478-8081

Prerequisite(s)

	Credit Hours
ARAB 1001 Elementary Arabic I	3
ARAB 1002 Elementary Arabic II (or equivalents)	3
ARAB 2001 Intermediate Arabic I	3
ARAB 2002 Intermediate Arabic II (or equivalents)	3
Total Credit Hours	12

Minor Program

	Credit Hours
ARAB - Fifteen upper-division credit hours (Students must earn a minimum grade of "C" in each course in Arabic.)	15
Total Credit Hours	15

Chinese Minor

Contact

Chair, Department of Foreign Languages
Forest Drive Building
Room 1302
(912) 478-8081

Prerequisite(s)

	Credit Hours
CHIN 1001/1001S Elementary Chinese I	3
CHIN 1002/1002S Elementary Chinese II (or equivalents)	3
CHIN 2001/2001S Intermediate Chinese I	3
CHIN 2002/2002S Intermediate Chinese II (or equivalents)	3
Total Credit Hours	12

Minor Program

	Credit Hours
CHIN - Fifteen upper-division credit hours (Students must earn a minimum grade of "C" in each course in Chinese.)	15
Total Credit Hours	15

Foreign Language Minor

Contact

Chair, Department of Foreign Languages
Forest Drive Building
Room 1302
(912) 478-8081

Prerequisite(s)

Select **one** of the following sequences of courses with courses being taught in the same language:

	Credit Hours
Arabic (12 Credit Hours)	
ARAB 1001 Elementary Arabic I	3
ARAB 1002 Elementary Arabic II	3
ARAB 2001 Intermediate Arabic I	3
ARAB 2002 Intermediate Arabic II	3
Chinese (12 Credit Hours)	
CHIN 1001 Elementary Chinese I	3
CHIN 1002 Elementary Chinese II	3
CHIN 2001 Intermediate Chinese I	3
CHIN 2002 Intermediate Chinese II	3
Latin (12 Credit Hours)	
LATN 1001 Elementary Latin I	3
LATN 1002 Elementary Latin II	3
LATN 2001 Intermediate Latin I	3
LATN 2002 Intermediate Latin II	3
Another Foreign Language (12 Credit Hours)	
All courses must be in the same language	
FORL 1090 Selected Topics in Foreign Languages (Elementary Language I)	3
FORL 1090 Selected Topics in Foreign Languages (Elementary Language II)	3
FORL 2090 Intermediate Foreign Language (Intermediate Language I)	3
FORL 2090 Intermediate Foreign Language (Intermediate Language II)	3

Minor Program

	Credit Hours
FORL - Fifteen upper-division credit hours (15) in the same non-English language that does not currently have a minor at Georgia Southern University. (Students must earn a minimum grade of "C" in each course in the foreign language.)	15
Total Credit Hours	15

French Minor

Contact

Chair, Department of Foreign Languages
Forest Drive Building
Room 1302
(912) 478-8081

Prerequisite(s)

	Credit Hours
Select one of the following:	6
FREN 1001 Elementary French I &FREN 1002 and Elementary French II	
FREN 1060 Accelerated Elementary French	
FREN 2001 Intermediate French I &FREN 2002 and Intermediate French II (or equivalent)	6
Total Credit Hours	12

Minor Program

	Credit Hours
FREN - Fifteen upper-division credit hours (Students must earn a minimum grade of "C" in each course in French.)	15
Total Credit Hours	15

German Minor

Contact

Chair, Department of Foreign Languages
Forest Drive Building
Room 1302
(912) 478-8081

Prerequisite(s)

	Credit Hours
Select one of the following:	6
GRMN 1001 Elementary German I &GRMN 1002 and Elementary German II	
GRMN 1060 Accelerated Elementary German	
GRMN 2001 Intermediate German I &GRMN 2002 and Intermediate German II (or equivalent)	6
Total Credit Hours	12

Minor Program

	Credit Hours
GRMN - Fifteen upper-division credit hours (Students must earn a minimum grade of "C" in each course in German.)	15
Total Credit Hours	15

Japanese Minor

Contact

Chair, Department of Foreign Languages
Forest Drive Building
Room 1302
(912) 478-8081

Prerequisite(s):

	Credit Hours
JAPN 1001 Elementary Japanese I	3
JAPN 1002 Elementary Japanese II (or equivalents)	3
JAPN 2001 Intermediate Japanese I	3
JAPN 2002 Intermediate Japanese II (or equivalents)	3
Total Credit Hours	12

Minor Program

	Credit Hours
JAPN- Fifteen upper-division hours (15) (Students must earn a minimum grade of "C" in each course in Japanese.)	15
Total Credit Hours	15

Japanese Studies Interdisciplinary Minor

Contact

Chair, Department of Foreign Languages
Forest Drive Building
Room 1302
(912) 478-8081

Minor Program

	Credit Hours
Select five of the following:	15
JAPN 3090 Selected Topics in Japanese	
JAPN 3130 Japanese Conversation	
JAPN 3131 Reading Japanese	
JAPN 3230 Modern Japanese Literature in Translation	
JAPN 3330 Japanese Cultural Patterns	
JAPN 3331 Japanese Culture for Americans	
JAPN 3530 Business Japanese	
JAPN 4790 Internship in Japan	
JAPN 4890 Directed Study	
Total Credit Hours	15

Latin Minor

Contact

Chair, Department of Foreign Languages
Forest Drive Building
Room 1302
(912) 478-8081

Prerequisite(s)

		Credit Hours
LATN 1001/1001S	Elementary Latin I	3
LATN 1002	Elementary Latin II (or equivalents)	3
LATN 2001	Intermediate Latin I	3
LATN 2002	Intermediate Latin II (or equivalents)	3
Total Credit Hours		12

Minor Program

	Credit Hours
LATN - Fifteen upper-division credit hours (Students must earn a minimum grade of "C" in each course in Latin.)	15
Total Credit Hours	15

Spanish Minor

Contact

Chair, Department of Foreign Languages
Forest Drive Building
Room 1302
(912) 478-8081

Prerequisite(s)

	Credit Hours
Select one of the following:	6
SPAN 1001 Elementary Spanish I &SPAN 1002 and Elementary Spanish II	
SPAN 1060 Accelerated Elementary Spanish	
Select one of the following:	6
SPAN 2001 Intermediate Spanish I &SPAN 2002 and Intermediate Spanish II	
SPAN 2060 Accelerated Intermediate Spanish	
Total Credit Hours	12

Minor Program

	Credit Hours
SPAN - Fifteen upper-division credit hours (Students must earn a minimum grade of "C" in each course in Spanish.)	15

French Second Discipline Concentration

Contact

Chair, Department of Foreign Languages
Forest Drive Building
Room 1302

(912) 478-8081

		Credit Hours
Area F (3 Credit Hours)		
FREN 2001	Intermediate French I	3

		Credit Hours
Required Courses (15 Credit Hours)		
FREN 2002	Intermediate French II	3
FREN 3130	Conversational French	3
FREN 3134	French Through Writing	3
FREN 3136	French through Film	3
Select one of the following:		3
FREN 4130	Grammar and Phonetics	
FREN 3330	French Civilization	
FREN 3336	Francophone Cultures of Africa and the Caribbean	
Total Credit Hours		15

German Second Discipline Concentration

Contact

Chair, Department of Foreign Languages
Forest Drive Building
Room 1302
(912) 478-8081

		Credit Hours
Area F (3 Credit Hours)		
GRMN 2001	Intermediate German I	3

		Credit Hours
Required Courses (15 Credit Hours)		
GRMN 2002	Intermediate German II	3
GRMN 3130	German Conversation and Phonetics	3
GRMN 3132	German Grammar Review	3
orGRMN 3134	Writing in German	
GRMN 3231	Listening Skills in German	3
orGRMN 3330	German Language and Society	
Select one of the following:		3
GRMN 4230	Readings in German Literature	
GRMN 4330	German Culture and Civilization	
Total Credit Hours		15

Spanish Second Discipline Concentration

Contact

Chair, Department of Foreign Languages
Forest Drive Building
Room 1302
(912) 478-8081

		Credit Hours
Area F (3 Credit Hours)		
SPAN 2001	Intermediate Spanish I	3

	Credit Hours
Required Courses (15 Credit Hours)	
SPAN 2002 Intermediate Spanish II	3
SPAN 3131 Critical Reading and Writing I	3
SPAN - Three additional upper-division (3000 or above) courses	9
Total Credit Hours	15

Department of History

The Department of History educates students about the past by blending traditional and contemporary approaches to the study and teaching of history and by emphasizing global perspectives, while recognizing the value of local and regional history. Students will learn to analyze and interpret complex information, and to present coherent arguments about its meaning and significance. Upon graduation, students will have the critical thinking and communication skills necessary to succeed in a variety of careers or in further professional education. Consistent with the mission of the University, the department fosters a culture of engagement that bridges theory with practice, extends the learning environment beyond the classroom, and promotes student growth and life success.

Students earning the B.A. in History will be able to:

- 1) Display knowledge of fundamental themes and narratives in history
- 2) Conduct original historical research
- 3) Communicate historical knowledge and explanations to others.

History majors will analyze and interpret information, write and share ideas about why events happened, and develop the knowledge and skills that help them to succeed in today's workplace.

History Major

- History B.A. (p. 194)

History Minor

- Classical and Medieval Studies Interdisciplinary Minor (p. 196)
- History (p. 195)

History Concentration

- Asian Studies Interdisciplinary Concentration (p. 196)

History B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12

Area F - Courses Appropriate to Major (18 Credit Hours)		
Foreign Language 2001 - Intermediate I		3
Foreign Language 2002 - Intermediate II		3
HIST 1111 World History I: Development of World Civilization		3
HIST 2630 Historical Methods		3
Select 6-12 credit hours from the following:		6-12
ANTH 1102 Introduction to Anthropology		
GEOG 1130 World Regional Geography		
PHIL 2010 Introduction to Philosophy		
PSYC 1101 Introduction to Psychology		
RELS 2130 Introduction to Religion		
SOCI 1101 Introduction to Sociology		
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520 Healthful Living		2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220 First-Year Seminar		2
Major Requirements (24 Credit Hours)		
HIST 4635 Senior Seminar (Prerequisite HIST 2630)		3
Select seven of the following: ¹		21
HIST 3130 African American History to 1877		
HIST 3131 African American History Since 1877		
HIST 3132 Young Republic, 1788-1848		
HIST 3133 United States Constitutional History		
HIST 3134 American Economic History		
HIST 3135 Rise of U.S. to World Power		
HIST 3136 U.S. as a Global Power		
HIST 3137 Topics in U.S. Women's History		
HIST 3139 History of Religion in the U.S.		
HIST 3150 The History of Vietnam, 236 B.C. to Present		
HIST 3230 American Military History		
HIST 3231 Introduction to Public History		
HIST 3233 The Early Church		
HIST 3234 The History of Islam in Southeast Asia		
HIST 3235 History of Modern Cuba		
HIST 3250 The Muslim World to Tamerlane		
HIST 3251 The Muslim World Since Genghis Khan		
HIST 3330 History of Greece		
HIST 3331 History of Rome		
HIST 3332 Late Antiquity		
HIST 3333 The Middle Ages		
HIST 3334 Christian Europe 450-1750		
HIST 3337 Europe, 1914-1945		
HIST 3338 Contemporary Europe		
HIST 3431 Modern Britain: 1485 to the Present		
HIST 3432 Germany: 1648-Present		
HIST 3434 Modern European Thought		
HIST 3435 The Scientific Revolution		
HIST 3436 The Holocaust		
HIST 3530 History of Africa to 1800		
HIST 3531 History of Africa since 1800		
HIST 3532 The Modern Middle East		

HIST 3533	Modern Eastern Europe
HIST 3534	Modern Southeast Asia
HIST 3536	Russia to 1917
HIST 3537	Colonial Latin America
HIST 3538	Modern Latin America
HIST 3630H	History Honors Seminar
HIST 4130	Georgia History
HIST 4131	Biography and History
HIST 4132	Recent America: U.S. Since 1945
HIST 4133	U.S. Diplomacy: The Cold War
HIST 4134	The Civil Rights Movement
HIST 4135	The United States in the 1960's
HIST 4230	The Renaissance
HIST 4335	Woman Question" in Europe
HIST 4336	Science and Religion
HIST 4337	Technology and the Historian
HIST 4431	Invasion of the Americas: Contact, Encounter and Colonization in Early America
HIST 4432	Early American History
HIST 4530	Revelation and Revolution
HIST 4531	World War I
HIST 4532	Destruction of Slavery
HIST 4533	The History of Flight
HIST 4534	Dinosaurs and Extinctions
HIST 4635	Senior Seminar
HIST 4690	Senior Thesis
HIST 4790	Internship in History
HIST 5130	American Indian History
HIST 5133	Revolutionary America
HIST 5134	Civil War and Reconstruction
HIST 5137	The Antebellum South
HIST 5138	The New South
HIST 5230	Advertising and Culture
HIST 5232	Working Class History in the United States
HIST 5233	The American City
HIST 5234	Piracy in the Americas, 1500-1750
HIST 5236	Religion, Empire, and Revolution in the Eighteenth Century
HIST 5332	The Reformation
HIST 5335	World War II
HIST 5336	Revolutionary France
HIST 5339	Britain and the World
HIST 5430	Modern France
HIST 5431	Advanced Topics in Public History
HIST 5530	20th Century Russia
HIST 5531	Modern Japan
HIST 5532	Modern China, 1600 to 1949
HIST 5533	Economic Rivals: U.S.-EC-Japan
HIST 5534	Contemporary China, 1949 to Present

Minor - Required (15 Credit Hours)

Select 15 credit hours of Minor (must be approved by advisor) 15

Electives (21 Credit Hours)

Select 21 credit hours of Electives 21

Total Credit Hours 126

¹ At least nine (9) credit hours must include one course from each of the following three categories:

1. U.S. History
2. European History
3. "Non-western" History [African, Asian, Latin American, or Middle Eastern]

Program Requirements

- Must have a minimum grade of "C" in every History course beyond the core surveys.
- Students must be in good standing to change major to History
- No more than 30 hours of upper division course work in the major may count toward the minimum of 126 hours required for graduation.
- **Student Portfolio Requirements:** In the semester of graduation, students must submit a copy of the major assignment from HIST 2630; submit a copy of a research/writing sample from an upper-division history course; submit a copy of a written or blue book exam from an upper-division history course; submit a copy of the major assignment from HIST 4635; and submit the Senior Exit Survey administered in HIST 4635.

Honors in History

To graduate with Honors in History, a student must:

- Be admitted to the University Honors Program;
- Successfully complete:
 - HIST 2630 with a minimum grade of "B" or higher
 - HIST 3630H with a minimum grade of "B" or higher
 - UHON 4999 for **one** credit hour
 - UHON 4999 for **two** credit hours in separate semester with the same faculty member as the first semester of UHON 4999;
- Successfully complete and present an Honors Thesis or Capstone Project;
- Be in good standing in the University Honors Program at the time of graduation.
- (Taking the entire three credit-hour sequence of UHON 4999 with a faculty member substitutes for the HIST 4635 Senior Seminar-required for History Majors.)

Advisement

All History majors, including students in the UHP, are advised by an advisor located in the Forest Drive Building, (912) 478-7740.

History Minor

Department: History

Contact

Chair, Department of History
Forest Drive Building
Room 1105
(912) 478-4478

Required Courses

		Credit Hours
HIST 1112	World History II: Emergence of Modern Global Community	3
HIST 2110	U.S. A Comprehensive Survey	3

Minor Program

	Credit Hours
HIST - History Courses	15
Total Credit Hours	15

Classical and Medieval Studies Interdisciplinary Minor

Contact

History Department
Forest Drive Building
(912) 478-0239

Minor Program

	Credit Hours
HIST 1111 World History I: Development of World Civilization	3
LATN - Any 3000 or 4000 level course	3
Select at least four of the following courses:	12
ARTH 2531 Art History I	
ARTH 3530 Art and Architecture of the Ancient World	
ARTH 3531 Medieval Art History	
ENGL 4135 Chaucer	
ENGL 5530 The Bible as Literature	
HIST 3030 Selected Topics in History	
HIST 3330 History of Greece	
HIST 3331 History of Rome	
HIST 3332 Late Antiquity	
HIST 3333 The Middle Ages	
HIST 3334 Christian Europe 450-1750	
LATN 3131 Latin Authors	
LATN 3330 Roman Women	
LATN 4890 Directed Study in Latin (at least 3 credit hours)	
PHIL 3431 Ancient Philosophy	
POLS 3336 Classical Political Thought	
Total Credit Hours	18

Additional Minor Requirement

A minimum of 15 hours will be necessary for an interdisciplinary minor in Classical and Medieval Studies, including 3 hours of upper division Latin. No student may apply any course in the department of his major towards the interdisciplinary minor in Classical and Medieval Studies.

HIST 1111 World History I: Development of World Civilization (3) *will be a requirement for all students minoring in Classical and Medieval Studies and counts toward the necessary 15 hours for all students except History majors. A History major who minors in Classical and Medieval Studies may not count World History I towards fulfilling the necessary 15 hours since history majors are already required to take HIST 1111 as part of their major requirements. All students minoring in Classical and Medieval Studies may take up to one lower division and one upper division course cross listed with their majors.*

Selected topics courses (3030s), study abroad programs and independent study courses with a specifically classical or medieval focus may be used as credit towards the minor upon approval of the director of the program

and provided they are accepted for credit by the University. Their suitability for the minor will be decided by the director of the program.

Asian Studies Interdisciplinary Concentration

Contact

Department of History
Forest Drive Building
(912) 478-4478

Concentration Program

	Credit Hours
INTS 3130 Contemporary World Cultures	3
Select 15 credit hours from the following: ¹	15
HIST/INTS 3532 The Modern Middle East	
HIST/INTS 3534 Modern Southeast Asia	
HIST/INTS 5531 Modern Japan	
HIST/INTS 5532 Modern China, 1600 to 1949	
HIST/INTS 5533 Economic Rivals: U.S.-EC-Japan	
JAPN 3331 Japanese Culture for Americans	
Total Credit Hours	18

¹ An additional 15 hours of Asian courses in at least three disciplines from the following approved list for a total of 18 semester hours. Although not required, course work in an Asian language is strongly recommended.

Department of Literature and Philosophy

A strong Department of Literature and Philosophy is central to a liberal arts education because it helps students to become incisive in their critical thinking, effective as communicators, aware of cultural diversity, and skillful as interpreters of the written and spoken word in all areas of life. We are committed to academic excellence, innovative instruction, and collaborative service to the community.

The disciplines of literature and philosophy - the traditional core of the humanities - ask the big questions: What does it mean to be human? How do we make meaning in this world? What is the relationship of individuals to society? Today these questions are complicated by topics such as class, race, ethnicity, and gender - all of which are addressed by classes in the Department. From Shakespeare to Postcolonial Studies to Existentialism to Epistemology, the Department of Literature and Philosophy has something for everyone.

Studying literature or philosophy provides excellent preparation for professional employment in any area where the close examination of written texts and the ability to communicate well are important. The Department takes pride in working with students to connect their immediate studies with their long-term goals.

A student graduating with a **B.A. degree in English** will be able to demonstrate the following:

1. A knowledge of literary periods, movements, genres, and authors that is informed by historical awareness, literary criticism, and theory.
2. The ability to analyze, synthesize, and evaluate a variety of texts.
3. The ability to communicate in a clear and concise manner for a variety of audiences.
4. The ability to incorporate, engage, and utilize well-planned and executed research.

A student graduating with a **B.A. degree in Philosophy** will be able to demonstrate the following:

1. Knowledge of the major philosophers and their theories, major philosophical fields, and ethical theories in the Western tradition.
2. Skill in critical thinking and argument evaluation.
3. The ability to understand, interpret, and evaluate philosophical arguments.
4. The ability to communicate ideas in a clear, concise, and persuasive manner, providing reasons and arguments for viewpoints, and adhering to the standards of academic writing.

Literature and Philosophy Majors

- English B.A. (p. 197)
- Philosophy B.A. (p. 198)

Literature and Philosophy Minors

- Comparative Literature Interdisciplinary Minor (p. 199)
- English (p. 199)
- Philosophy (p. 200)
- Religious Studies Interdisciplinary Minor (p. 200)

Literature and Philosophy Concentration

- Religious Studies Interdisciplinary Concentration (p. 200)

English B.A.

Degree Requirements: 126 Credit Hours

See *Core Curriculum* for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
ENGL 2111 World Literature I (required if not taken as part of Area C)	3

ENGL 2131	Introduction to Literary Studies	3
ENGL 2231	British Literature I	3
ENGL 2232	British Literature II	3
ENGL 2331	American Literature I	3
or ENGL 2332	American Literature II	
Foreign Language - through 2002		3-6
Select one of the following if an additional 3-hour course is needed to reach 18 hours in Area F:		3

ART 1000	Art in Life	
ENGL 1230	Reading Fiction	
ENGL 1231	Reading Drama	
ENGL 1232	Reading Poetry	
ENGL 2112	World Literature II	
ENGL 2434	The Language of Film	
Foreign Language - additional foreign language at 1000-2000 level in a different language		
HIST 1111	World History I: Development of World Civilization	
MUSC 1100	Music Appreciation	
PHIL 2010	Introduction to Philosophy	
PHIL 2020	Critical Thinking	
RELS 2130	Introduction to Religion	
THEA 1100	Theatre Appreciation	

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (27 credit hours at the 3000 level or above) (30 Credit Hours)

Specific Requirements:

ENGL 2132	Writing and Literary Research	3
ENGL 4630	Senior Seminar ¹	3

Select one of the following Single-Author courses: 3

ENGL 4135	Chaucer	
ENGL 4337	Shakespeare	
ENGL 4435	Single Author	
ENGL 5434	Milton	

Select the appropriate number of course credit hours from each of the four (4) areas below 21

AREA 1 (3-9 credit hours) ²

ENGL 4135	Chaucer	
ENGL 4337	Shakespeare	
ENGL 5136	Medieval British Literature: 700-1450	
ENGL 5138	Poetry and Prose of the English Renaissance	
ENGL 5331	British Drama to 1642	
ENGL 5434	Milton	

AREA 2 (3-9 credit hours)

ENGL 4133	The British Novel	
ENGL 5131	British Romantics	
ENGL 5134	The Age of Exuberance: British Literature 1660-1790	
ENGL 5139	Victorian Prose and Poetry	
ENGL 5332	British Drama since 1660	
ENGL 5432	Twentieth Century British Literature	

AREA 3 (3-9 credit hours)

ENGL 4237	The American Novel
ENGL 5230	Colonial American Literature
ENGL 5231	American Romanticism
ENGL 5233	American Realism

AREA 4 (6-12 credit hours)

ENGL 3231	Survey of African-American Literature
ENGL 3237	Women and Literature
ENGL 3535	Patterns in Film and Literature
ENGL 5090	Selected Topics
ENGL 5135	Teaching Literature to Middle and Secondary School Students
ENGL 5234	Southern Literature
ENGL 5235	Irish Literature to 1850
ENGL 5236	Irish Literature since 1850
ENGL 5238	Irish Women Writers
ENGL 5330	World Drama to Romanticism
ENGL 5430	Contemporary Poetry
ENGL 5438	Modern Poetry to 1945
ENGL 5530	The Bible as Literature
ENGL 5533	Literary Criticism and Theory
ENGL 5534	Literature for Adolescents
ENGL 5535	Children's Literature
ENGL 5536	Post-Colonial Literature
ENGL 5538	World Fiction since 1900
ENGL 5539	Literature by Women

Electives (15 Credit Hours)

Select 15 credit hours of Electives 15

Minor - Required (Must be approved by advisor) (15 Credit Hours)

Select 15 credit hours of Minor 15

Total Credit Hours 126

¹ *May be taken only after successfully completing eighteen (18) credit hours of upper division coursework*

² *NOTE: May not overlap with credit hours taken for required single-author course listed above*

Prerequisite(s)

- Introduction to Literary Studies (ENGL 2131) (3) must be taken prior to or concurrent with upper division courses and should be taken at the earliest opportunity in the student's course of study.
- Each upper-division course has one other prerequisite ENGL class, which varies depending on the subject matter. Please see course descriptions or your advisor for the exact prerequisite for each upper-division course.

Other Program Requirements

- Students must earn a minimum grade of "C" in all required courses and in all major courses.
- Majors must acquire from their advisors a copy of "Requirements for the Major in English".

Advisement

All English majors, including students in the UHP, are advised by an advisor located in the Newton Building, (912) 478-7740.

Philosophy B.A.**Degree Requirements: 126 Credit Hours**

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Foreign Language - through 2002	0-6
PHIL 2010 Introduction to Philosophy	3
PHIL 2020 Critical Thinking	3
PHIL 2030 Introduction to Ethics	3
Select 3-9 credit hours from the following:	3-9
ANTH 1102 Introduction to Anthropology	
ARTH 2531 Art History I	
ARTH 2532 Art History II	
BIOL 1130 General Biology	
&BIOL 1110 and General Biology Laboratory	
BIOL 1230 Environmental Biology	
&BIOL 1210 and Environmental Biology Laboratory	
ENGL 2111 World Literature I	
ENGL 2112 World Literature II	
HIST 1111 World History I: Development of World Civilization	
INTS 2130 Introduction to International Studies	
PHYS 1111 Introduction to Physics I	
&PHYS 1113 and Physics Lab I	
PHYS 1135 How Things Work	
POLS 2101 Introduction to Political Science	
RELS 2130 Introduction to Religion	
SOCI 1101 Introduction to Sociology	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Major Requirements (30 Credit Hours)	
Specific Requirements:	
PHIL 3431 Ancient Philosophy	3
PHIL 3432 Modern Philosophy	3
Select eight of the following:	24
PHIL 3030 Selected Topics in Philosophy	

PHIL 3131	World Religions
PHIL/POLS 3230	Modern Political Thought
orPOLS 4139	Contemporary Political Thought
PHIL/POLS 3232	Philosophy of Law
PHIL 3330	Introduction to Art and Beauty
PHIL 3332	Contemporary Moral Problems
PHIL 3334	Environmental Ethics
PHIL 3433	Nineteenth Century European Philosophy
PHIL 3434	Contemporary Philosophy
PHIL 3531	Theory of Knowledge
PHIL 3532	Metaphysics
PHIL 3635	Existentialism
PHIL 4130	Feminist Philosophy
PHIL 4233	Introduction to Formal Logic
PHIL 4333	20th Century Ethical Theory
PHIL 4433	The Irish Philosophical Tradition
PHIL 4532	Philosophy of Emotions
PHIL 4533	Philosophy of Mind
PHIL 4534	Philosophy in Film
PHIL 4632	Philosophy of Religion
PHIL 5030	Selected Topics in Philosophy

Electives (15 Credit Hours)

Select 15 credit hours of Electives 15

Minor - Required (15 Credit Hours)

Select 15 credit hours of Minor (Must be approved by advisor) 15

Total Credit Hours 126

Program Admission Criteria

- Majors must acquire from their advisors a copy of "Requirements for the Major in Philosophy."

Other Program Requirements

- Must have earned a minimum grade of "C" in each of the required courses in Philosophy upper division.

Honors in Philosophy

To graduate with Honors in Philosophy, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of Honors Research Seminar (UHON 4191) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

All Philosophy majors, including students in the UHP, are advised by an advisor in the Newton Building, (912) 478-0233.

Comparative Literature Interdisciplinary Minor

Contact

Department of Literature & Philosophy
Forest Drive Building
(912) 478-5771

Minor Program

		Credit Hours
COML 2531	Crossing Borders	3
Foreign Language majors select three courses; non-Foreign Language majors select two courses from the following group:		6-9
COML 3090	Selected Topics	
COML/ENGL 5330	World Drama to Romanticism	
COML/ENGL 5530	The Bible as Literature	
COML/ENGL 5533	Literary Criticism and Theory	
COML/ENGL 5536	Post-Colonial Literature	
ENGL 5538	World Fiction since 1900	
For all students, select one course from the following group:		3
ARTH 3435	African Art History	
ARTH 3530	Art and Architecture of the Ancient World	
ARTH 3531	Medieval Art History	
ARTH 3532	Italian Renaissance Art History	
ARTH 3533	Baroque and Rococo Art History	
ARTH 3534	19th Century Art History	
ARTH 4530	20th Century Art History	
COMM 3331	Media Criticism	
COML 3530	Literary Translation	
FILM 3332	Documentary Film	
FILM 3333	Art of Film	
MUSC 3131	History of Music I	
MUSC 3132	History of Music II	
MUSC 5236	Jazz History	
PHIL 3330	Introduction to Art and Beauty	
THEA 4330	Theatre History I: Origins to 1700	
THEA 4331/4331S	Theatre History II: 1700 to Contemporary	
For non-Foreign Language majors, one foreign language literature course is required.		3
Total Credit Hours		9

English Minor

Contact

Chair, Department of Literature & Philosophy
Newton Building
(912) 478-5471

Prerequisite(s)

		Credit Hours
ENGL 2131	Introduction to Literary Studies (Must be taken prior to or concurrent with all upper division courses.)	3

Minor Program

		Credit Hours
15 hours of ENGL courses, at least 9 hours of which must be at the 3000-level or above.		15
Total Credit Hours		15

Philosophy Minor

Contact

Chair, Department of Literature & Philosophy
 Newton Hall
 (912) 478-5471

Minor Program

		Credit Hours
Select 15 credit hours from the following:		15
PHIL - Upper Division courses (15) or		
PHIL 2020 and PHIL - Upper Division courses (12)		
Total Credit Hours		15

Religious Studies Interdisciplinary Minor

Contact

Literature and Philosophy Department
 Newton Building
 Room 2222C
 (912) 478-0222

Minor Program

		Credit Hours
RELS 2130	Introduction to Religion	3
RELS 4890	Seminar in Religious Studies	3
An additional 9 credit hours of courses with significant Religious Studies dimension in at least two disciplines other than the major must be completed for a total of 15 credit hours. Courses may be selected from the list of courses below approved for the minor. Other courses must be approved by the director of the Religious Studies Interdisciplinary Minor.		
Select three of the following: ¹		9
HIST 3332	Late Antiquity	
RELS/HIST 3030	Selected Topics	
RELS/PHIL 3131	World Religions	
RELS 3134	Introduction to Asian Religions	
RELS 3135	Introduction to Hinduism	
RELS 3136	Introduction to Global Islam	

RELS/HIST 3139	History of Religion in the U.S.	
RELS/PSYC 3231	Psychology of Religion	
RELS/HIST 3233	The Early Church	
RELS 3235	Male, Female, and Religion	
RELS 3237	Genesis and Human Relations	
RELS 3238	The Hebrew Prophets	
RELS 3239	Human Suffering and the Bible	
RELS/HIST 3250	The Muslim World to Tamerlane	
RELS/HIST 3251	The Muslim World Since Genghis Khan	
RELS 3330	Introduction to the Hebrew Bible	
RELS/HIST 3334	Christian Europe 450-1750	
RELS 3335	Introduction to the New Testament	
RELS/PSYC 3336	Humanistic and Transpersonal Psychology	
RELS/PHIL 3635	Existentialism	
RELS/PHIL 4632	Philosophy of Religion	
RELS/HIST 5332	The Reformation	
RELS/ENGL 5530	The Bible as Literature	

Total Credit Hours **15**

Religious Studies Interdisciplinary Concentration

Contact

Literature and Philosophy Department
 Newton Building
 Room 2222C
 (912) 478-0222

Concentration Program

		Credit Hours
RELS 2130	Introduction to Religion	3
RELS 4890	Seminar in Religious Studies	1-9
Select four of the following: (Must be from at least three different disciplines and approved by advisor)		12
HIST 3332	Late Antiquity	
RELS 3030	Selected Topics	
RELS/PHIL 3131	World Religions	
RELS 3134	Introduction to Asian Religions	
RELS 3135	Introduction to Hinduism	
RELS 3136	Introduction to Global Islam	
RELS/HIST 3139	History of Religion in the U.S.	
RELS/PSYC 3231	Psychology of Religion	
RELS 3235	Male, Female, and Religion	
RELS 3237	Genesis and Human Relations	

RELS 3238	The Hebrew Prophets
RELS 3239	Human Suffering and the Bible
RELS 3330	Introduction to the Hebrew Bible
RELS/HIST 3334	Christian Europe 450-1750
RELS 3335	Introduction to the New Testament
RELS/PSYC 3336	Humanistic and Transpersonal Psychology
RELS/PHIL 3635	Existentialism
RELS/PHIL 4632	Philosophy of Religion
RELS/HIST 5332	The Reformation
RELS/ENGL 5530	The Bible as Literature

Total Credit Hours

15

Department of Music

Department of Music Mission Statement

The Department of Music actively embraces Georgia Southern University's primary goal of excellence in teaching. Our professional faculty places the highest priority on nurturing students through academic, applied, and ensemble course work and thoughtful advisement while remaining engaged in creative activity and scholarship. The department offers a variety of experiences with guest artists, teachers, and clinicians who provide diversity of outlook. In turn, the department's faculty lends its expertise as guest artists, teachers, and clinicians in southeast Georgia, as well as nationally and internationally.

The music curriculum for majors at both the baccalaureate and graduate levels fosters proficiency in the creation, dissemination, performance, and teaching of music, and an understanding of its analytical, historical, cultural, and philosophical foundations. Programs for music majors also emphasize the development of habits related to life-long learning, including preparation for advanced degree work, understanding the importance of continual professional development, and the necessity and ability to adapt to changing professional demands.

The department makes significant contributions to the region's culture by offering general education courses, concerts, recitals, lectures, and clinics and by providing opportunities for non-music majors and community members to participate in music-making through a variety of ensembles. It also renders service to the University community's athletic programs and various public relations efforts.

The department maintains a commitment to music as one of the most pervasive and powerful expressions of culture, both historically in the development of modern civilization and sociologically in the artistic expression of the diverse societies that comprise our world. Through all of its activities, the department promotes a better understanding and appreciation not only of music, but of the entire world around us.

Requirements for All Music Degree Programs

Admission Requirements

All prospective music majors must pass an entrance audition in the appropriate applied area.

Performance Requirements

Each candidate for a music degree must complete applied music proficiency level requirements appropriate to the candidate's specific degree plan, as well as fulfill other performance requirements consistent with the degree plan or individual course objectives. The appropriate applied music teacher will assist in this area.

Enrollment in any applied music course, including Junior Recital and Senior Recital, is by permission of the instructor and/or the department chair of music.

A jury examination in the appropriate applied area will be taken during the examination week or shortly before the end of each semester. Students not majoring in music who take applied music lessons may take a jury examination upon the recommendation of the applied instructor.

Recital requirements: Prior to performing a graduation, junior, or senior recital, the candidate must pass a recital approval examination no fewer than three weeks before the recital date.

Candidates for the B.A. degree may be invited to perform a full public recital in their senior year in their primary applied area.

Group Piano Placement/Exit Examination

A placement examination in piano is required of all transfer students. Freshman music majors with prior keyboard experience should also take the placement examination. A maximum of four credit hours of group piano is allowed toward graduation requirements. All music majors must pass the group piano exit examination.

Music Theory Placement/Exit Examinations

A placement examination in music theory is required of all transfer students. Freshman music majors will take the placement examination. Placement exam results are for advisement purposes only. Each music major must pass (70 percent or better) the music theory exit exam. No student may register for any upper-level theory course unless the theory exit exam is successfully completed.

The requirements stated above for exiting the lower-level theory sequence apply regardless of grades received in the lower level theory courses.

Music Major Progression Requirements

Music majors must earn a minimum grade of "C" for each music class that applies toward graduation in order to progress in the music program. Students earning less than a "C" grade in a sequential course offering may not take the next course in the sequence until the course is repeated and a grade of "C" or higher is earned. In addition, students must earn a minimum grade of "C" in a prerequisite course before taking an advanced course in the same subject area.

Music majors will be expelled from the degree program if they fail any individual required music course twice, or any combination of three (3) required music courses during the undergraduate degree program.

In the event a music major receives a "D" or an "F" in a required music course the first time they take the course, the instructor will notify the student, the student's advisor, and the department chair, in writing, that the student is on probation in the music program, will only have one more attempt to pass the course with a grade of "C" or higher, and will no longer be a music major if they fail to pass the course on the second attempt. The notification will also state that the student must meet with the instructor before retaking the class to discuss reasons that led to the unsuccessful attempt and to establish a supplemental study program to remediate the stated deficiencies. If this is the second course that the student has failed, the advisor will also email the student with a reminder of the policy and request a meeting in which the student and advisor will discuss reasons for the difficulty and possible ways to improve the student's success,

including a reduced course load or referral to the Academic Success Center. The student and/or advisor may request the presence of course instructors in this meeting.

In the event that a music major fails an individual required music course twice, or any combination of three (3) required music courses during the undergraduate degree program, the advisor will notify the department chair, and the department chair will notify the student that they have been dismissed from the major. The student may file an appeal within ten (10) days of receipt of the notification by making a written request to the department chair who will follow the procedures outlined in the Student Handbook.

Dismissal from the Music Program does not affect the ability of the student to continue in another major in the University; and music courses already taken may count towards the requirements of a music minor program or a Bachelor of General Studies degree, if desired. However, a student dismissed from an undergraduate program in the Music Department may not transfer to any other music program, including the B.A. in Music, if any of the failed courses are music common core classes. If the three failed courses pertain solely to a specialized area (music education, performance, etc.) or if the area head determines that a student's progress in their specialization is inadequate, the student may transfer to another music program if they have the consent and support of the faculty in the new area or, in the case of the B.A., the department chair.

Additional Policies

See the Department of Music Handbook for additional policies governing degree programs in music.

The Department of Music is a full member of the National Association of Schools of Music.

Music Majors

- Music Education B.M. (Choral) (p. 202)
- Music Education B.M. (Instrumental) (p. 203)
- Music B.M. (Instrumental Performance) (p. 204)
- Music B.M. (Piano Performance) (p. 205)
- Music B.M. (Voice Performance) (p. 205)

Music Minors

- Humanities Interdisciplinary Minor (<http://catalog.georgiasouthern.edu/undergraduate/liberal-arts-social-sciences/literature-philosophy/humanities-interdisciplinary-minor>)
- Music - Applied (p. 207)
- Music - History and Literature (p. 207)
- Music - Music Technology (p. 208)

Music Concentration

- Humanities Interdisciplinary Concentration (p. 208)
- Music Second Discipline Concentration (p. 209)

Music Education B.M. (Choral)

Degree Requirements: 134 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3

Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Music Theory	
Select 12 credit hours from the following:	12
MUSC 1331 Music Theory I	
MUSC 1332 Music Theory II	
MUSC 1513 Sight-Singing/Ear Training I	
MUSC 1514 Sight-Singing/Ear Training II	
MUSC 2333 Music Theory III	
MUSC 2513 Sight-Singing/Ear Training III	
Applied Music	
Select 6 credit hours from the following:	6
MUSA XXXX Applied Music	
MUSC 1511 Group Piano I	
MUSC 1512 Group Piano II	
MUSC 2511 Group Piano III	
MUSC 2512 Group Piano IV	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Common Body of Knowledge Courses in Music (22 Credit Hours)	
Following is a list of courses common to all degree programs in Music:	22
MUSA XXXX Applied Music	
MUSC 1515 Technology in Music	
MUSC 2334 Music Theory IV	
MUSC 2514 Sight-Singing/Ear Training IV	
MUSC 3131 History of Music I	
MUSC 3132 History of Music II	
MUSE XXXX Large Ensemble ¹	
MUSE 1100 Recital Attendance (Student must complete 6 semesters.)	
Requirements beyond the Common Body of Knowledge Courses in Music differ according to the individual program options. The following list of major program options includes those additional and specific requirements.	
Major Requirements (Choral Music Education majors) (43 Credit Hours)	
Pre-Professional Block:	
EDUC 2110 Investigating Critical and Contemporary Issues in Education	3
EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts	3
EDUC 2130 Exploring Learning and Teaching	3

Other courses for the major:

MUSA XXXX	Applied Music	1
MUSA 2101	Recital	0
MUSC 2411	Diction for Singers I	1
MUSC 2412	Diction for Singers II	1
MUSC 2621	Introduction to Music Education	2
MUSC 3211	Instrumental Methods I	1
MUSC 3212	Instrumental Methods II	1
MUSC 3232	Elementary Methods and Materials in Music	3
MUSC 4411	Basic Conducting	1
MUSC 4421	Voice Pedagogy	2
MUSC 4431	Choral Conducting and Literature	3
MUSC 4532	Secondary Methods and Materials in Music	3
MUSC 4611	Seminar in Music Education	1
MUSC 4799	Student Teaching in P-12 Music Education	9
MUSE XXXX	Large Ensemble	1
MUSE 3314	Opera Theatre	1
SPED 3333	Introduction to Special Education	3
Electives (3 Credit Hours)		
Select 3 credit hours of Electives		3
Total Credit Hours		134

¹ Piano primaries will substitute 2 credit hours of Large Ensemble with 2 credit hours of Piano Ensemble (MUSE 3514).

Program Admission Criteria

All prospective music majors must pass an entrance audition in the primary area.

Other Program Requirements

- See the requirements for all music degree programs (p. 201).
- See the Department of Music Handbook for policies governing degree programs.
- Must meet all requirements for admission to and retention in the Teacher Education Program, including GPA, field experiences, and GACE tests. See College of Education Student Success Center to ensure that all certification requirements are met.

Advisement

All music majors are advised in Room 3002 of the Foy Building, (912) 478-7740.

Music Education B.M. (Instrumental)

Degree Requirements: 134 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4

Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)

Select 6 credit hours from Area C of the Core Curriculum 6

Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)

Select 11 credit hours from Area D of the Core Curriculum 11

Area E - Social Sciences (12 Credit Hours)

Select 12 credit hours from Area E of the Core Curriculum 12

Area F - Courses Appropriate to Major (18 Credit Hours)

Music Theory

Select 12 credit hours from the following: 12

MUSC 1331 Music Theory I

MUSC 1332 Music Theory II

MUSC 1513 Sight-Singing/Ear Training I

MUSC 1514 Sight-Singing/Ear Training II

MUSC 2333 Music Theory III

MUSC 2513 Sight-Singing/Ear Training III

Applied Music

Select 6 credit hours from the following: 6

MUSA XXXX Applied Music

MUSC 1511 Group Piano I

MUSC 1512 Group Piano II

MUSC 2511 Group Piano III

MUSC 2512 Group Piano IV

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520 Healthful Living 2

Physical Education Activities 2

Orientation (2 Credit Hours)

FYE 1220 First-Year Seminar 2

Common Body of Knowledge Courses in Music (22 Credit Hours)

Following is a list of courses common to all degree programs in Music: 22

MUSA XXXX Applied Music

MUSC 1515 Technology in Music

MUSC 2334 Music Theory IV

MUSC 2514 Sight-Singing/Ear Training IV

MUSC 3131 History of Music I

MUSC 3132 History of Music II

MUSE XXXX Large Ensemble ¹

MUSE 1100 Recital Attendance (Student must complete 6 semesters.)

Requirements beyond the Common Body of Knowledge Courses in Music differ according to the individual program options. The following list of major program options includes those additional and specific requirements.

Major Requirements (Instrumental Music Education majors) (43 Credit Hours)

Pre-Professional Block:

EDUC 2110 Investigating Critical and Contemporary Issues in Education 3

EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts 3

EDUC 2130 Exploring Learning and Teaching 3

Other courses for the major:

MUSA XXXX Applied Music 1

MUSA 2101	Recital	0
MUSC 3216	Voice Class	1
MUSC 2621	Introduction to Music Education	2
MUSC 3213	Percussion Class	1
MUSC 3215	String Class	1
MUSC 3217	Woodwind Class	1
MUSC 3218	Brass Class	1
MUSC 3221	Instrumentation for Music Educators	2
MUSC 3232	Elementary Methods and Materials in Music	3
MUSC 4211	Marching Band Techniques	1
MUSC 4411	Basic Conducting	1
MUSC 4432	Instrumental Conducting and Literature	3
MUSC 4532	Secondary Methods and Materials in Music	3
MUSC 4611	Seminar in Music Education	1
MUSC 4799	Student Teaching in P-12 Music Education	9
SPED 3333	Introduction to Special Education	3
Electives (3 Credit Hours)		
Select 3 credit hours of Electives		3
Total Credit Hours		134

¹ Piano primaries will substitute 2 credit hours of Large Ensemble with 2 credit hours of Piano Ensemble (MUSE 3514).

Program Admission Criteria

All prospective music majors must pass an entrance audition in the primary area.

Other Program Requirements

- See the requirements for all music degree programs (p. 201).
- See the Department of Music Handbook for policies governing degree programs.
- Must meet all requirements for admission to and retention in the Teacher Education Program, including GPA, field experiences, and GACE tests. See College of Education Student Success Center to ensure that all certification requirements are met.

Advisement

All music majors are advised in Room 3002 of the Foy Building, (912) 478-7740.

Music B.M. (Concentration in Instrumental Performance)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	

Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Music Theory	
Select 12 credit hours from the following:	12
MUSC 1331	Music Theory I
MUSC 1332	Music Theory II
MUSC 1513	Sight-Singing/Ear Training I
MUSC 1514	Sight-Singing/Ear Training II
MUSC 2333	Music Theory III
MUSC 2513	Sight-Singing/Ear Training III
Applied Music	
Select 6 credit hours from the following:	6
MUSA XXXX	Applied Music
MUSC 1511	Group Piano I
MUSC 1512	Group Piano II
MUSC 2511	Group Piano III
MUSC 2512	Group Piano IV

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Common Body of Knowledge Courses in Music (25 Credit Hours)

Following is a list of courses common to all degree programs in Music:		25
MUSA XXXX	Applied Music	
MUSC 1515	Technology in Music	
MUSC 2334	Music Theory IV	
MUSC 2514	Sight-Singing/Ear Training IV	
MUSC 3131	History of Music I	
MUSC 3132	History of Music II	
MUSC 4331	Analytical Techniques	
MUSE XXXX	Large Ensemble	
MUSE 1100	Recital Attendance (Student must complete 6 semesters.)	

Requirements beyond the Common Body of Knowledge Courses in Music differ according to the individual program options. The following list of major program options includes those additional and specific requirements.

Major Requirements (27 Credit Hours)		
MUSA XXXX	Applied Music	10-11
MUSA 3101	Junior Recital	0
MUSA 4111	Senior Recital	1
MUSC XXXX	Instrumental Pedagogy course	1-2
MUSC XXXX	Upper Division Theory/History Electives	6
MUSC 4411	Basic Conducting	1
MUSC 5237	Symphonic Literature	3
MUSE XXXX	Large Ensemble	1
MUSE XXXX	Small Ensemble	4

Electives (8 Credit Hours)

Select 8 credit hours of Electives	8
Total Credit Hours	126

Program Admission Criteria

All prospective music majors must pass an entrance audition in the primary area.

Other Program Requirements

- See the requirements for all music degree programs (p. 201).
- See the Department of Music Handbook for policies governing degree programs.

Advisement

All music majors are advised in Foy Building, Room 3002, (912) 478-7740.

Music B.M. (Concentration in Piano Performance)

Degree Requirements: 126 Credit Hours

See *Core Curriculum* for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Music Theory	
Select 12 credit hours from the following:	12
MUSC 1331 Music Theory I	
MUSC 1332 Music Theory II	
MUSC 1513 Sight-Singing/Ear Training I	
MUSC 1514 Sight-Singing/Ear Training II	
MUSC 2333 Music Theory III	
MUSC 2513 Sight-Singing/Ear Training III	
Applied Music	
Select 6 credit hours from the following:	6
MUSA XXXX Applied Music	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Common Body of Knowledge Courses in Music (25 Credit Hours)	

Following is a list of courses common to all degree programs in Music: 25

MUSA XXXX	Applied Music	
MUSC 1515	Technology in Music	
MUSC 2334	Music Theory IV	
MUSC 2514	Sight-Singing/Ear Training IV	
MUSC 3131	History of Music I	
MUSC 3132	History of Music II	
MUSC 4331	Analytical Techniques	
MUSE XXXX	Large Ensemble ¹	
MUSE 1100	Recital Attendance (Student must complete 6 semesters.)	

Requirements beyond the Common Body of Knowledge Courses in Music differ according to the individual program options. The following list of major program options includes those additional and specific requirements.

Major Requirements (22 Credit Hours)

MUSA XXXX	Applied Music	4
MUSA 3101	Junior Recital	0
MUSA 4111	Senior Recital	1
MUSC XXXX	Upper Division Music Theory/History Electives	6
MUSC 2421	Piano Literature I	2
MUSC 2431	Piano Pedagogy I	3
MUSC 3421	Piano Literature II	2
MUSC 3432	Piano Pedagogy II	3
MUSC 4411	Basic Conducting	1

Electives (13 Credit Hours)

Select 13 credit hours of Electives 13

Total Credit Hours 126

- ¹ Piano primaries will substitute 4 credit hours of Large Ensemble with 4 credit hours of Piano Ensemble (MUSE 3514).

Program Admission Criteria

All prospective music majors must pass an entrance audition in the primary area.

Other Program Requirements

- See the requirements for all music degree programs (p. 201).
- See the Department of Music Handbook for policies governing degree programs.

Advisement

All music majors are advised in Room 3002 of the Foy Building, (912) 478-7740.

Music B.M. (Concentration in Voice Performance)

Degree Requirements: 126 Credit Hours

See *Core Curriculum* for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	

Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Music Theory	
Select 12 credit hours from the following:	12
MUSC 1331 Music Theory I	
MUSC 1332 Music Theory II	
MUSC 1513 Sight-Singing/Ear Training I	
MUSC 1514 Sight-Singing/Ear Training II	
MUSC 2333 Music Theory III	
MUSC 2513 Sight-Singing/Ear Training III	
Applied Music	
Select 6 credit hours from the following:	6
MUSA XXXX Applied Music	
MUSC 1511 Group Piano I	
MUSC 1512 Group Piano II	
MUSC 2511 Group Piano III	
MUSC 2512 Group Piano IV	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Common Body of Knowledge Courses in Music (25 Credit Hours)	
Following is a list of courses common to all degree programs in Music:	25
MUSA XXXX Applied Music	
MUSC 1515 Technology in Music	
MUSC 2334 Music Theory IV	
MUSC 2514 Sight-Singing/Ear Training IV	
MUSC 3131 History of Music I	
MUSC 3132 History of Music II	
MUSC 4331 Analytical Techniques	
MUSE XXXX Large Ensemble	
MUSE 1100 Recital Attendance (Student must complete 6 semesters.)	
Requirements beyond the Common Body of Knowledge Courses in Music differ according to the individual program options. The following list of major program options includes those additional and specific requirements.	
Major Requirements (26 Credit Hours)	
MUSA XXXX Applied Music	10
MUSA 3101 Junior Recital	0
MUSA 4111 Senior Recital	1
MUSC XXXX Upper Division Music Theory/History Electives	3

MUSC 2411 Diction for Singers I	1
MUSC 2412 Diction for Singers II	1
MUSC 3423 Vocal Literature I	2
MUSC 3424 Vocal Literature II	2
MUSC 4411 Basic Conducting	1
MUSC 4421 Voice Pedagogy	2
MUSE XXXX Large Ensemble	1
MUSE XXXX Small Ensemble	2
Foreign Language (6 Credit Hours)	
Select 6 credit hours of Foreign Language	6
Electives (3 Credit Hours)	
Select 3 credit hours of Electives	3
Total Credit Hours	126

Program Admission Criteria

All prospective music majors must pass an entrance audition in the primary area.

Other Program Requirements

- See the requirements for all music degree programs (p. 201).
- See the Department of Music Handbook for policies governing degree programs.

Advisement

All music majors are advised in Room 3002 of the Foy Building, (912) 478-7740.

Humanities Interdisciplinary Minor

Contact

College of Liberal Arts and Social Science
 CLASS Dean's Office, Foy Fine Arts Building
 (912) 478-2527

Minor Program

Students will select (15) credit hours of courses with a significant Humanities dimension in at least three different areas, 12 credit hours of which must be upper-division courses (3000 or above). Courses may be selected from the list of courses below approved for the minor. Other courses may be approved by the student's advisor in consultation with the Associate Dean of CLASS.

	Credit Hours
Select 15 credit hours from the following	15
ARTH/AAST African Art History 3435	
ARTH/AAST African American Art History 3436	
ARTH 3437 American Art History	
ARTH 3530/3530S Art and Architecture of the Ancient World	
ARTH 3531/3531S Medieval Art History	
ARTH 3532/3532S Italian Renaissance Art History	
ARTH 3533 Baroque and Rococo Art History	
ARTH 3534/3534S 19th Century Art History	
ARTH 4530 20th Century Art History	

ARTH 4531/4531S	Contemporary Art History
ENGL 3231	Survey of African-American Literature
ENGL 3237	Women and Literature
ENGL 3535	Patterns in Film and Literature
ENGL 4133/4133S	The British Novel
ENGL 4135/4135S	Chaucer
ENGL 4237	The American Novel
ENGL 4337/4337S	Shakespeare
ENGL 4435/4435S	Single Author
ENGL 5539	Literature by Women
FILM 3332/3332S	Documentary Film
FILM 3333/3333S	Art of Film
HUMN 2433/2433S	Classicism
HUMN 2434/2434S	Myth in Arts and Humanities
MUSC 3131	History of Music I
MUSC 3132/3132H	History of Music II
MUSC 5231	Music in the Classic Period
MUSC 5232	Music in the Romantic Period
MUSC 5233	Music in the Contemporary Period
MUSC 5234/5234S	History of Opera
MUSC 5236	Jazz History
PHIL/RELS 3131	World Religions
PHIL 3030/3030S	Selected Topics in Philosophy
PHIL 3431/3431S	Ancient Philosophy
PHIL 3432	Modern Philosophy
PHIL 3433/3433S	Nineteenth Century European Philosophy
PHIL 3434	Contemporary Philosophy
PHIL 3531	Theory of Knowledge
PHIL 3532/3532S	Metaphysics
PHIL/RELS 3635	Existentialism
PHIL/WGST 4130	Feminist Philosophy
RELS/HIST 3139	History of Religion in the U.S.
RELS/HIST 3233	The Early Church
RELS 3250/ HIST 3235/ INTS 3250	The Muslim World to Tamerlane
RELS/HIST/ INTS 3251	The Muslim World Since Genghis Khan
RELS 3330	Introduction to the Hebrew Bible
RELS/HIST 3334	Christian Europe 450-1750

RELS/HIST 5332	The Reformation
RELS/COML/ ENGL 5530	The Bible as Literature
THEA/AAST 3332	African American Theatre
THEA 3333/3333S/ IRSH 3333	Irish Theatre
THEA 4330	Theatre History I: Origins to 1700
THEA 4331/4331S	Theatre History II: 1700 to Contemporary
THEA 4338/4338S	Seminar: World Theatre

Total Credit Hours **15**

Music - Applied Minor

Contact

Chair, Department of Music
Foy 1st Floor
(912) 478-5396

Prerequisite(s)

		Credit Hours
MUSC 1100	Music Appreciation	3
Total Credit Hours		3

Minor Program

		Credit Hours
MUSA 3xxx	Applied Lessons (3 semesters)	6
MUSC 1333	Music Fundamentals I	3
MUSC 1334	Music Fundamentals II	3
MUSE 1100	Recital Attendance (2 semesters)	0
MUSE 3xxx	Ensembles (3 semesters)	3
Total Credit Hours		15

Additional Minor Requirements/ Recommendations

Music - Applied Minors must be admitted by passing an audition in applied music. Students must be formally advised by a minor advisor and a minor must be declared prior to completing seven hours in the minor or registration for applied lessons. All credits earned in Principal Applied must be on a single instrument or in voice only. Students pursuing the music minor must enroll in the specified ensemble(s) appropriate to their Principal-Applied area. All minors must achieve equivalent of Level I proficiency in their applied area prior to completion of the minor.

Music - History and Literature Minor

Contact

Chair, Department of Music
Foy 1st Floor
(912) 478-5396

Prerequisite(s)

		Credit Hours
MUSC 1100	Music Appreciation	3
Total Credit Hours		3

Minor Program

		Credit Hours
MUSC 1333	Music Fundamentals I	3
MUSC 1334	Music Fundamentals II	3
MUSE 1100	Recital Attendance (2 semesters)	0
Select 9 credit hours from the following:		9
MUSC 3131	History of Music I	
MUSC 3132	History of Music II	
MUSC 5234	History of Opera	
MUSC 5236	Jazz History	
MUSC xxxx	Upper division Music Literature Elective	
Total Credit Hours		15

Additional Minor Requirements/ Recommendations

Students must be formally advised by a minor advisor and a minor must be declared prior to completing seven hours in the minor.

Music - Music Technology Minor

Contact

Chair, Department of Music
Foy 1st Floor
(912) 478-5396

Prerequisite(s)

		Credit Hours
MUSC 1100	Music Appreciation	3
Total Credit Hours		3

Minor Program

		Credit Hours
MUSC 1333	Music Fundamentals I ¹	3
MUSC 1334	Music Fundamentals II ¹	3
MUSC 1515	Technology in Music	1
MUSC 4534	Recording Studio Techniques	3
MUSC 4535	MIDI Sequencing	3
MUSC 5630	Music, Technology and Contemporary Culture	3
MUSE 1100	Recital Attendance (2 semesters)	0
Total Credit Hours		16

¹ B.A. Music majors substitute CSCI 1236 Introduction to Java Programming (3).

Additional Minor Requirements/ Recommendations

Students must be formally advised by a minor advisor and a minor must be declared prior to completing seven hours in the minor.

Humanities Interdisciplinary Concentration

Contact

College of Liberal Arts & Social Sciences
CLASS Dean's Office, Foy Fine Arts Building
(912) 478-2527

Concentration Program

Select six (3 credit hours) courses, with at least three different prefixes, from the following list. At least five of these courses (15 credit hours) for the concentration must be upper division (3000 or above). Courses may be selected from the list of courses below approved for the concentration. Other courses may be approved by the student's advisor in consultation with the Associate Dean of CLASS.

		Credit Hours
Select 18 credit hours from the following:		18
ARTH/AAST 3435	African Art History	
ARTH/AAST 3436	African American Art History	
ARTH 3437	American Art History	
ARTH 3530/3530S	Art and Architecture of the Ancient World	
ARTH 3531/3531S	Medieval Art History	
ARTH 3532	Italian Renaissance Art History	
ARTH 3533	Baroque and Rococo Art History	
ARTH 3534	19th Century Art History	
ARTH 4530	20th Century Art History	
ARTH 4531/4531S	Contemporary Art History	
ENGL 3231	Survey of African-American Literature	
ENGL 3237	Women and Literature	
ENGL 3535	Patterns in Film and Literature	
ENGL 4133/4133S	The British Novel	
ENGL 4135/4135S	Chaucer	
ENGL 4237	The American Novel	
ENGL 4337	Shakespeare	
ENGL 4435/4435S	Single Author	
ENGL 5539	Literature by Women	
FILM 3332/3332S	Documentary Film	
FILM 3333	Art of Film	
HUMN 2433/2433S	Classicism (only one 2000-level course may be included)	
HUMN 2434/2434S	Myth in Arts and Humanities (only one 2000-level course may be included)	
MUSC 3131	History of Music I	

MUSC 3132	History of Music II
MUSC 5231	Music in the Classic Period
MUSC 5232	Music in the Romantic Period
MUSC 5233	Music in the Contemporary Period
MUSC 5234/5234S	History of Opera
MUSC 5236	Jazz History
PHIL/RELS 3131	World Religions
PHIL 3330/3330S	Introduction to Art and Beauty
PHIL 3431/3431S	Ancient Philosophy
PHIL 3432	Modern Philosophy
PHIL 3433/3433S	Nineteenth Century European Philosophy
PHIL 3434	Contemporary Philosophy
PHIL 3531	Theory of Knowledge
PHIL 3532/3532S	Metaphysics
PHIL/RELS 3635	Existentialism
PHIL/WGST 4130	Feminist Philosophy
PHIL/RELS 4632	Philosophy of Religion
RELS/HIST 3139	History of Religion in the U.S.
RELS/HIST 3233	The Early Church
RELS/HIST/INTS 3250	The Muslim World to Tamerlane
RELS/HIST/INTS 3251	The Muslim World Since Genghis Khan
RELS 3330	Introduction to the Hebrew Bible
RELS/HIST 3334	Christian Europe 450-1750
RELS/HIST 5332	The Reformation
RELS/COML/ENGL 5530	The Bible as Literature
THEA/AAST 3332	African American Theatre
THEA/IRSH 3333	Irish Theatre
THEA 4330	Theatre History I: Origins to 1700
THEA 4331/4331S	Theatre History II: 1700 to Contemporary
THEA 4338	Seminar: World Theatre
Total Credit Hours	18

Music Second Discipline Concentration

Contact

Chair: Department of Music
(912) 478-5396

Prerequisite(s)

		Credit Hours
MUSC 1515	Technology in Music	1
Total Credit Hours		1

Requirements

		Credit Hours
Area F (3 Credit Hours)		
MUSC 1333	Music Fundamentals I	3
Required Courses (15 Credit Hours)		
MUSC 1100	Music Appreciation	3
MUSC 1334	Music Fundamentals II	3
MUSC 4534	Recording Studio Techniques	3
MUSC 4535	MIDI Sequencing	3
MUSC 5630	Music, Technology and Contemporary Culture	3
Total Credit Hours		18

Department of Political Science

The Department of Political Science fosters the development of civically-engaged students who will become productive citizens dedicated to serving their communities, their nations, and the world. Classes in the department focus on inculcating in students a core understanding of politics, intellectual curiosity, a global consciousness, and a spirit for community activism. Students are provided with research and community service opportunities, public service internships, as well as study abroad experiences.

The B.A. program in Political Science prepares students for active citizenship by preparing them for professional careers in government, inter-governmental and non-governmental organizations, business, studies in law, political science, and public policy. Graduates of the B.A. program in Political Science will become life-long learners as they become cognizant of the institutions and processes of governance and the policies and historical and current events that shape their lives.

Upon completion of a degree in Political Science, graduates will be able to:

1. Delineate the theoretical and methodological differences between the subfields of political science, i.e., American Politics, Comparative Politics, International Relations, Political Theory, and Public Policy.
2. Utilize appropriate nomenclature of the various subfields in Political Science when discussing and writing.
3. Demonstrate an ability to distinguish between the political processes of different forms of government in both the international and domestic realm.
4. Recognize the underlying cultural, societal, philosophical, and political factors which have led to the policies found in the United States and different countries around the world.
5. Demonstrate an ability to think critically by utilizing appropriate theoretical constructs in both qualitative and quantitative research projects.
6. Incorporate appropriate methodologies into narratives which add to the ability to both analyze and explain political events and public policies.
7. Demonstrate an ability to write with both clarity and precision by utilizing key phrasing relevant to the study of political science.
8. Participate in discipline-specific activities which will further career goals in the graduate's field of study.

Political Science Major

- Political Science B.A. (p. 210)

Political Science Minor

- Political Science (p. 211)

Political Science Concentration

- Technology and Political Analysis Second Discipline Concentration (p. 211)

Political Science B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Foreign Language 2001 - Intermediate I	3
Foreign Language 2002 - Intermediate II	3
PHIL 2010 Introduction to Philosophy	3
POLS 2101 Introduction to Political Science	3
POLS 2130 Introduction to Political Analysis	3
Select one of the following. If any of the above are taken to satisfy Areas C-E, also select from the following:	3
ANTH 1102 Introduction to Anthropology	
ECON 2106 Business Economics	
GEOG 1130 World Regional Geography	
PSYC 1101 Introduction to Psychology	
SOC 1101 Introduction to Sociology	
STAT 2231 Introduction to Statistics I	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Major Requirements (27 Credit Hours)	
POLS 5000+ - Senior Seminar	3
Select one course from each emphasis:	
American Politics:	3
POLS 3135 Legislative Behavior	
POLS 3136 The Presidency	
POLS 3137 Judicial Politics	

POLS 3138	Constitutional Law: Government Powers	
POLS 3139	Constitutional Law: Civil Liberties and Civil Rights	
POLS 3233	Politics and The Media	
POLS 3330	State and Local Government	
POLS 3331	Introduction to Bureaucratic Politics	
POLS 3332	Political Parties and Elections	
POLS 4131	Introduction to Public Affairs	
Comparative Politics:		3
POLS 3132	Asian Politics	
POLS 3133	Latin American Politics	
POLS 3235	Gender and Politics	
POLS 3335	Ethnicity and Nationalism	
POLS 3431	African Politics	
POLS 3433	Survey of Comparative Politics	
POLS 4136	Politics of the Global North	
POLS 4137	Politics of the Global South	
International Politics:		3
POLS 3234	Introduction to the European Union	
POLS 3236	International Relations	
POLS 3239	Human Rights in International Relations	
POLS 3730	Introduction to United Nations	
POLS 4132	U.S. Foreign Policy	
POLS 4133	International Political Economy	
POLS 4134	International Law and Diplomacy	
POLS 4135	International Organizations	
POLS 4138	International Terrorism	
Political Theory:		3
POLS 3230	Modern Political Thought	
POLS 3336	Classical Political Thought	
POLS 4130	American Political Thought	
POLS 4139	Contemporary Political Thought	
POLS 4534	Feminist Political Thought	
Students may select one of the following two options (12 hours):		12
Option 1: Students may elect an emphasis by taking four (4) additional courses (12 credit hours) from any one area of study above, plus a senior seminar in the corresponding emphasis area, or students interested in legal studies may select four courses (12 credit hours) from the list of classes below for an emphasis in Legal Studies.		
Legal Studies:		
POLS 3137	Judicial Politics	
POLS 3138	Constitutional Law: Government Powers	
POLS 3139	Constitutional Law: Civil Liberties and Civil Rights	
POLS 3232	Philosophy of Law	
POLS 3239	Human Rights in International Relations	
POLS 3338	Language and Law	
POLS 3730	Introduction to United Nations	
POLS 4134	International Law and Diplomacy	
POLS 4135	International Organizations	
POLS 4733	Theories of Justice	
Option 2: Students may select four classes (12 credit hours) of Upper Division Political Science Electives from any of the above listed classes or the courses listed below:		
Political Science Electives:		
POLS 3130	Qualitative Research Methods	

POLS 3231	Environmental Politics
POLS 3237	African American Politics
POLS 3333	Southern Politics
POLS 3334	Film and Politics
POLS 3338	Language and Law
POLS 4031	Selected Topics in Political Science
POLS 4791	Field Internship in Political Science
POLS 4890	Independent Study in Political Science

Minor - Required (15 Credit Hours)

Select an Area of Study Chosen in Consultation with Major Advisor 15

Electives (18 Credit Hours)

Select 18 credit hours of Electives 18

(A maximum of 12 hours of Internship may be taken.)

Total Credit Hours 126

Other Program Requirements

- Majors must earn a minimum grade of "C" in all upper level POLS courses.

Honors in Political Science

To graduate with Honors in Political Science, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of Honors Research Seminar (UHON 4191) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

All Political Science majors, including students in the UHP, are advised by an advisor in the Carroll Building, Room 2244.

Political Science Minor**Contact**

Chair, Department of Political Science
Carroll 2287
(912) 478-5698

Prerequisite(s)

	Credit Hours
POLS 2101 Introduction to Political Science	3
Total Credit Hours	3

Minor Program

	Credit Hours
POLS - Upper Division courses (Planned with major advisor)	15
Total Credit Hours	15

**Technology and Political Analysis
Second Discipline Concentration****Contact**

Chair: Department of Political Science

	Credit Hours
Area F (3 Credit Hours)	
POLS 2101 Introduction to Political Science	3
Required Courses (15 Credit Hours)	
POLS 3230 Modern Political Thought	3
POLS 4139 Contemporary Political Thought	3
Select three of the following Elective courses:	9
POLS 3135 Legislative Behavior	
POLS 3236 International Relations	
POLS 3331 Introduction to Bureaucratic Politics	
POLS 3332 Political Parties and Elections	
POLS 4131 Introduction to Public Affairs	
Total Credit Hours	15

Department of Psychology

The Department of Psychology is dedicated to student instruction, serving the community, and the discovery of knowledge through empirical research. The department houses classrooms, laboratories, and equipment for study and research in the areas of sensation and perception, cognition, physiological psychology, developmental psychology, social psychology, psychology of religion, and clinical psychology.

The mission of the Psychology B.S. degree program is 1) to provide students with a course of study that reflects both the breadth and depth of the various fields of psychology and, consistent with Georgia Southern University's mission, 2) to inspire students to be sensitive to cultural issues and individual differences, bridge scientific theory to practice, and promote personal and professional growth. This mission will be accomplished by providing students with a high-quality education about psychology, opportunities for experiential learning, and mentorship.

Students earning the B.S. in Psychology will:

1. recognize and respect the complexity of sociocultural diversity and individual differences;
2. recognize, compare, and apply information from the core domains of psychology (i.e., developmental, physiological, cognitive, social, learning, and abnormal psychology);
3. recognize, apply, and evaluate the fundamental methods and statistics of psychological science;
4. recognize the value of psychology in professional and personal domains.

Psychology Major

- Psychology B.S. (p. 212)

Psychology Minor

- Psychology (p. 214)

Psychology B.S.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Foreign Language 2001 - Completion through Foreign Language 2001 or equivalent	0-12
PSYC 1101 Introduction to Psychology ¹	3
PSYC 2210 Careers in Psychology	1
PSYC 2231 Psychological Statistics ¹	3
Select 2-14 credit hours from the following:	2-14
ANTH 1102 Introduction to Anthropology	
ARTH 2531 Art History I	
ARTH 2532 Art History II (Prerequisite ARTH 2531)	
BIOL 1130 General Biology	
&BIOL 1110 and General Biology Laboratory	
BIOL 1333 From Neuron to Brain	
CHFD 2130 Family Economic Environment	
CISM 1110 Computer Applications	
&CISM 1120 and Computer Concepts	
COMM 1100 Introduction to Human Communication (Prerequisite ENGL 1101)	
CRJU 1100 Introduction to Criminal Justice	
GEOG 1101 Introduction to Human Geography	
GEOG 1130 World Regional Geography	
HIST 1111 World History I: Development of World Civilization	
HUMN 2321 Humanities I	
HUMN 2322 Humanities II	
INTS 2130 Introduction to International Studies	
PHIL 2010 Introduction to Philosophy	
PHIL 2020 Critical Thinking	
RECR 1530 Introduction to Recreation	
SOCI 1101 Introduction to Sociology	
WGST 2530 Introduction to Women and Gender Studies	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (28 Credit Hours)

Specific Requirements		
PSYC 3141	Research Methods in Psychology ¹	4
Group I:		
Select at least one course required from this area (Prerequisite PSYC 1101):		3
PSYC 3330	Abnormal Psychology	
PSYC 3331	Child Psychology	
PSYC 3332	Psychology of Adolescence	
PSYC 3333	Lifespan Developmental Psychology	
PSYC 3334	Social Psychology	
PSYC 3335	Personality Psychology	
PSYC 4436	Theories of Psychotherapy	
PSYC 5330	Psychology of Aging	
Group II:		
Select at least one course required from this area (Prerequisite PSYC 1101):		3
PSYC 3130	Psychological Tests and Measurements	
PSYC 4430	Cognitive Psychology	
PSYC 4431	Motivation and Emotion	
PSYC 4432	Sensation and Perception	
PSYC 4433	Principles of Learning	
PSYC 4434	Animal Behavior	
PSYC 5430	Physiological Psychology	
PSYC 5431	Evolutionary Psychology	
PSYC 5530	History and Systems	
Group III:		
Select at least one course required from this area (Prerequisite PSYC 1101):		3
PSYC 3230	Psychology of Adjustment	
PSYC 3231	Psychology of Religion	
PSYC 3232	Psychology of Gender	
PSYC 3234	Industrial/Organizational Psychology	
PSYC 3235	Behavior Modification	
PSYC 3236	Psychology of Substance Abuse	
PSYC 3237	Psychology of Human Sexuality	
PSYC 3336	Humanistic and Transpersonal Psychology	
PSYC 4630	Senior Seminar	
PSYC 5030	Selected Topics	
PSYC 5230	Health Psychology	
PSYC 5232	Psychology and Law	
Areas of Emphasis ¹		15-16
(All courses in Areas of Emphasis require a minimum grade of "C")		
General Psychology		
Select any four PSYC courses		
Select one of the following Capstone Courses:		
PSYC 4143	Senior Research (Prerequisite PSYC 4131)	
PSYC 4630	Senior Seminar	
PSYC 4730	Internship in Psychology	
PSYC 4832	Directed Study ²	
PSYC 4841	Directed Research (Prerequisite PSYC 4131) ²	

PSYC 5530 History and Systems

Biopsychology

Select four of the following:

PSYC 4131 Advanced Psychological Statistics

PSYC 4431 Motivation and Emotion

PSYC 4432 Sensation and Perception

PSYC 4433 Principles of Learning

PSYC 4434 Animal Behavior

PSYC 5430 Physiological Psychology

PSYC 5431 Evolutionary Psychology

Select one of the following Capstone Courses:

PSYC 4143 Senior Research (Prerequisite PSYC 4131)

PSYC 4630 Senior Seminar

PSYC 4730 Internship in Psychology

PSYC 4832 Directed Study²

PSYC 4841 Directed Research (Prerequisite PSYC 4131)²

Cognitive Psychology

Select four of the following:

PSYC 4131 Advanced Psychological Statistics

PSYC 4430 Cognitive Psychology

PSYC 4431 Motivation and Emotion

PSYC 4432 Sensation and Perception

PSYC 4433 Principles of Learning

PSYC 5430 Physiological Psychology

Select one of the following Capstone Courses:

PSYC 4143 Senior Research (Prerequisite PSYC 4131)

PSYC 4630 Senior Seminar

PSYC 4730 Internship in Psychology

PSYC 4832 Directed Study²

PSYC 4841 Directed Research (Prerequisite PSYC 4131)²

Counseling/Clinical Psychology

Select four of the following:

PSYC 3130 Psychological Tests and Measurements

PSYC 3235 Behavior Modification

PSYC 3236 Psychology of Substance Abuse

PSYC 3330 Abnormal Psychology

PSYC 3335 Personality Psychology

PSYC 3336 Humanistic and Transpersonal Psychology

PSYC 4131 Advanced Psychological Statistics

PSYC 4436 Theories of Psychotherapy

PSYC 5530 History and Systems

Select one of the following Capstone Courses:

PSYC 4143 Senior Research (Prerequisite PSYC 4131)

PSYC 4630 Senior Seminar

PSYC 4730 Internship in Psychology

PSYC 4832 Directed Study²

PSYC 4841 Directed Research (Prerequisite PSYC 4131)²

Developmental Psychology

Select four of the following:

PSYC 3235 Behavior Modification

PSYC 3236 Psychology of Substance Abuse

PSYC 3331 Child Psychology

PSYC 3333 Lifespan Developmental Psychology

PSYC 4131 Advanced Psychological Statistics

PSYC 5330 Psychology of Aging

PSYC 5430 Physiological Psychology

Select one of the following Capstone Courses:

PSYC 4143 Senior Research (Prerequisite PSYC 4131)

PSYC 4630 Senior Seminar

PSYC 4730 Internship in Psychology

PSYC 4832 Directed Study²

PSYC 4841 Directed Research (Prerequisite PSYC 4131)²

Health Psychology/Wellness

Select four of the following:

PSYC 3230 Psychology of Adjustment

PSYC 3231 Psychology of Religion

PSYC 3235 Behavior Modification

PSYC 3236 Psychology of Substance Abuse

PSYC 3237 Psychology of Human Sexuality

PSYC 3333 Lifespan Developmental Psychology

PSYC 4131 Advanced Psychological Statistics

PSYC 5230 Health Psychology

PSYC 5430 Physiological Psychology

Select one of the following Capstone Courses:

PSYC 4143 Senior Research (Prerequisite PSYC 4131)

PSYC 4630 Senior Seminar

PSYC 4730 Internship in Psychology

PSYC 4832 Directed Study²

PSYC 4841 Directed Research (Prerequisite PSYC 4131)²

Social Psychology

Select four of the following:

PSYC 3231 Psychology of Religion

PSYC 3232 Psychology of Gender

PSYC 3234 Industrial/Organizational Psychology

PSYC 3334 Social Psychology

PSYC 3335 Personality Psychology

PSYC 4131 Advanced Psychological Statistics

PSYC 5230 Health Psychology

PSYC 5232 Psychology and Law

Select one of the following Capstone Courses:

PSYC 4143 Senior Research (Prerequisite PSYC 4131)

PSYC 4630 Senior Seminar

PSYC 4730 Internship in Psychology

PSYC 4832 Directed Study²

PSYC 4841 Directed Research (Prerequisite PSYC 4131)²

Electives (32 Credit Hours)

Select 31-32 credit hours of Electives

31-32

(9 credit hours may be Psychology)

A maximum of 6 credit hours in one or more of the following courses may be credited toward the major:

PSYC 3890	Research Experience (3 hours only)
PSYC 4730	Internship in Psychology
PSYC 4832	Directed Study
PSYC 4841	Directed Research
Total Credit Hours	
126	

¹ A minimum grade of "C" must be earned in this required course and all five (5) courses comprising the area of emphasis. Psychology courses with grades lower than "C" that are transferred from another institution may not be used to meet psychology requirements.

² by faculty permission only.

Advisement

All Psychology majors, including students in the UHP, are advised by advisors in Brannen Hall.

Psychology Minor

Contact

Chair, Department of Psychology
Brannen Hall
(912) 478-5539

Prerequisite(s)

	Credit Hours
PSYC 1101 Introduction to Psychology	3
Total Credit Hours	3

Minor Program

	Credit Hours
PSYC - Upper Division courses (Must take one each from Groups I, II, and III as defined under the B.S. psychology major requirements plus any two additional upper division psychology courses as approved by the major advisor.)	15
Total Credit Hours	15

Department of Sociology and Anthropology

In the Department of Sociology and Anthropology, students will gain the knowledge and skills to make a difference in their community and in the world. An education grounded in sociology or anthropology empowers students to explore the world - it gives them the vision to know the questions to ask, the research tools to find the answers to those questions, and the skills to turn the findings into social solutions.

Students in the department gain real-life, job-related experience while they earn their degree.

A student graduating with a **B.A. degree in Anthropology** will be able to:

1. identify and analyze appropriate research literature from scholarly sources in anthropology;
2. cite sources according to the American Anthropological Association's guidelines;
3. identify, describe, and apply a reasonable subset of theoretical paradigms from within anthropology's four fields;

4. describe and explain key research methods of each subfield of anthropology, relate comparative values of various methods within each subfield, and be able to determine which methods should be practiced in a given research project;
5. construct a meaningful anthropological research question, taking into account time frame, region, cultural group, and an element of change or development;
6. explain and analyze examples of ethical and legal issues in anthropology;
7. design and write up an original, theoretically informed research proposal and/or project;
8. demonstrate the ability to write up work in an organized and coherent fashion;
9. connect elements of all four fields of anthropology into a holistic, comparative, culturally relevant framework;
10. demonstrate the ability to orally present work in an organized and coherent fashion; and
11. assess career avenues and/or educational opportunities grounded in an anthropological background.

A student graduating with a **B.S. degree in Sociology** will be able to:

1. define sociological perspectives, apply them in their analysis of concrete situations, and apply them in their empirical data collection and data analysis;
2. understand the role of theory in sociology; and
3. understand the role of evidence and qualitative and quantitative methods in sociology.

Sociology and Anthropology Majors

- Anthropology B.A. (p. 214)
- Sociology B.S. (p. 215)

Sociology and Anthropology Minors

- Anthropology (p. 216)
- Sociology (p. 217)

Sociology and Anthropology Concentrations

Anthropology B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12

Area F - Courses Appropriate to Major (18 Credit Hours)

ANTH 1102	Introduction to Anthropology	3
ANTH 2130	Anthropological Inquiry	3
ANTH 2131	Biological Anthropology	3
Foreign Language - through 2002		0-6
Select 3-9 credit hours from the following:		3-9
BIOL 1130 &BIOL 1110	General Biology and General Biology Laboratory	
BIOL 1230 &BIOL 1210	Environmental Biology and Environmental Biology Laboratory	
CISM 1110 &CISM 1120	Computer Applications and Computer Concepts	
CSCI 1301 orCSCI 1302	Programming Principles I and Programming Principles II	
Foreign Language through 1002 or Foreign Language 1060		
GEOG 1111	Climate and the Landscape	
GEOG 1130	World Regional Geography	
GEOL 1121	Introduction to the Earth	
GEOL 1122	General Historical Geology	
GEOL 1340	Environmental Geology	
HIST 1111	World History I: Development of World Civilization	
KINS 2531 &KINS 2511	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	
orKINS 2532 &KINS 2512	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	
PHIL 2010	Introduction to Philosophy	
PHIL 2020	Critical Thinking	
POLS 2101	Introduction to Political Science	
POLS 2130	Introduction to Political Analysis	
PSYC 1101	Introduction to Psychology	
SOCI 1101	Introduction to Sociology	
STAT 2231 orSTAT 2232	Introduction to Statistics I and Introduction to Statistics II	

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
Physical Education Activities		2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Major Requirements (30 Credit Hours)

ANTH 3131	World Archeology	3
ANTH 3331	Cultural Anthropology	3
ANTH 3431	Linguistic Anthropology	3
ANTH 4630	Capstone Seminar in Anthropology	3

Select 18 credit hours from the following Anthropology courses: (3000 level or higher approved by the advisor after taking ANTH 1102) 18

ANTH 3091	Selected Topics Anthropology	
ANTH 3132	North American Archeology	
ANTH 3133	Southeastern Archeology	
ANTH 3135	Georgia Archeology	
ANTH 3136	Historical Archeology	
ANTH 3332	European Cultures	
ANTH 3333	North American Indians	
ANTH 3334	Southeastern Indians	

ANTH 4133	Gullah and Geechee Language and Culture	
ANTH 4231	Methods and Theory in Archeology	
ANTH 4232	Archeology Field Session	
ANTH 4234	Cherokee Archaeology	
ANTH 4235	Advanced Archeological Analysis	
ANTH 4262	Archeology Field Session	
ANTH 4292	Archeology Field Session	
ANTH 4331	Anthropology and Human Problems	
ANTH 4332	Gender and Anthropology	
ANTH 4334	Ethnographic Methods	
ANTH 4432	Language and Culture	
ANTH 4433	Anthropology of Language and Gender	
ANTH 4790	Internship in Anthropology	
ANTH 4890	Directed Individual Study	
ANTH 5091	Selected Topics in Anthropology	
ANTH 5135	Cultural Resource Management	
ANTH 5530	Sociolinguistics	

Electives (15 Credit Hours)

Select 15 credit hours of Electives 15

Minor - Required (15 Credit Hours)

Select 15 credit hours of Minor courses 15

Total Credit Hours 126

Other Program Requirements

- A minimum grade of "C" in required Anthropology courses; "C" average for all Anthropology courses with maximum of one "D" included; a maximum of 9 hours can be taken either for the Archeology Field Session or for the Internship in Anthropology; or for a combination of the Archeology Field Session and the Internship in Anthropology.

Honors in Anthropology

To graduate with Honors in Anthropology, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of UHON 4191 over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

Sociology and Anthropology majors, including students in the UHP, are advised by an advisor located in the Carroll Building, Room 1087. If you have questions about advisement, don't hesitate to contact the anthropology advisor at (912) 478-7740.

Sociology B.S.**Degree Requirements: 126 Credit Hours**

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3

Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum		4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum		6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum		11
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum		12
Area F - Courses Appropriate to Major (18 Credit Hours)		
Foreign Language - through 2001		0-3
SOCI 1101 Introduction to Sociology ¹		3
STAT 2231 Introduction to Statistics I		3
Select 9-12 credit hours from the following:		9-12
Foreign Language - 2002		
ANTH 1102 Introduction to Anthropology		
CISM 1110 Computer Applications		
&CISM 1120 and Computer Concepts		
GEOG 1130 World Regional Geography		
INTS 2130 Introduction to International Studies		
PHIL 2010 Introduction to Philosophy		
POLS 2101 Introduction to Political Science		
PSYC 1101 Introduction to Psychology		
RELS 2130 Introduction to Religion		
SOCI 2232 Introduction to Social Services		
STAT 2232 Introduction to Statistics II		
WGST 2530 Introduction to Women and Gender Studies		
WRIT 2130 Technical Communication		
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520 Healthful Living		2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220 First-Year Seminar		2
Major Requirements (39 Credit Hours)		
Must take 9 credit hours of the following upper division courses		
SOCI 3431 Sociological Theory		3
SOCI 3434 Methods of Social Research		3
SOCI 4630 Senior Seminar		3
Select 30 credit hours from the following upper division (3000 or above) Sociology courses as approved by advisor:		30
SOCI 3094 Selected Topics in Sociology		
SOCI 3135 Aging		
SOCI 3231 Practice Skills		
SOCI 3235 Race and Ethnicity		
SOCI 3333 Deviance		
SOCI 3335 Social Change		
SOCI 3336 Social Problems		
SOCI 3338 Sociology of the Life Course		
SOCI 4130 Groups and Community Action		
SOCI 4132 Sociology of Community		
SOCI 4133 Sociology of Religion		
SOCI 4134 Sociology of Childhood		

SOCI 4135	Death and Dying	
SOCI 4137	Social Movements	
SOCI 4138	Sociology of the Family	
SOCI 4139	Medical Sociology	
SOCI 4231	Child Welfare and Family Services	
SOCI 4232	Social Welfare Policy and Services	
SOCI 4332	Sociology of Gender	
SOCI 4334	Organizations, Work, and Technology	
SOCI 4335	Self and Society	
SOCI 4338	Sport, Culture, and Society	
SOCI 4431	Inequality	
SOCI 4790	Internship (maximum of 6 credit hours applies to the major)	
SOCI 4892	Directed Individual Research	
SOCI 5094	Selected Topics in Sociology	
SOCI 5433	Program Evaluation	
Interdisciplinary Specialty Electives (9 Credit Hours)		
Select 9 credit hours of Interdisciplinary Specialty Electives		9
Electives (12 Credit Hours)		
Select 12 credit hours of Electives		12
Total Credit Hours		126

¹ Must be passed with a minimum grade of "C"

Other Program Requirements

- A minimum grade of "C" required in all sociology courses; if advisor recommends, one "D" allowed if matched by "B" or higher in another sociology course.

Honors in Sociology

To graduate with Honors in Sociology, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of UHON 4191 Honors Research Seminar over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

Sociology and Anthropology majors are advised by an advisor in the Carroll Building, Room 1087. If you have questions about advisement, please contact your sociology advisor at (912) 478-7740.

Anthropology Minor

Contact

Chair, Department of Sociology & Anthropology
Carroll Building
(912) 478-5443

Prerequisite(s)

		Credit Hours
ANTH 1102	Introduction to Anthropology (or equivalent)	3

Minor Program

	Credit Hours
ANTH - Courses for which prerequisites are met	15

Sociology Minor

Contact

Chair, Department of Sociology & Anthropology
Carroll Building
(912) 478-5443

Prerequisite(s)

	Credit Hours
SOCI 1101 Introduction to Sociology	3
Total Credit Hours	3

Minor Program

	Credit Hours
SOCI - Upper Division courses (excluding SOCI 4790)	15
Total Credit Hours	15

Department of Writing and Linguistics

The Department of Writing and Linguistics strives to produce graduates who understand the art and science of language and writing. Grounded in Creative Writing, Linguistics, Professional and Technical Writing, plus Writing Studies and Rhetoric courses that combine the theoretical with the experiential, the program's goal is the reflective writer, with knowledge of various genres, writing and language processes, digital literacies, and writing technologies. Through capstone courses and publishing, research, internship, and community activities for its students, the major supports the University's mission to link "theory with practice," to "extend the learning environment beyond the classroom," and to "promote student growth and life success." In addition, with its emphasis on small class sizes and individualized development necessary for transformative education with significant concomitant positive impact on student learning, the B.A. in Writing and Linguistics is an excellent manifestation of the University's emphasis on "large-scale, small feel."

Students earning the B.A. in Writing and Linguistics will be able to:

1. Discuss fundamental **concepts** in the study of writing and linguistics.
2. Write in **genres** common to the study of writing and linguistics.
3. Apply the **technologies** common to the study of writing and linguistics.
4. Demonstrate **critical thinking skills**.
5. Examine the **processes** common to the study of writing and linguistics.
6. Practice **self- and peer assessment** of writing.

Writing and Linguistics Major

- Writing and Linguistics B.A. (p. 217)

Writing and Linguistics Minors

- Linguistics Interdisciplinary Minor (p. 219)
- Linguistics (p. 219)
- Professional and Technical Writing (p. 219)
- Writing (p. 219)

Writing and Linguistics Concentrations

- Linguistics Interdisciplinary Concentration (p. 220)
- Technical Writing Second Discipline Concentration (p. 220)

Writing and Linguistics B.A.

Degree Requirements: 126 Credit Hours

See *Core Curriculum* for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Select 9-18 credit hours from the following:	9-18
LING 2090 Selected Topics in Writing and Linguistics	
WRIT 2090 Selected Topics in Writing and Linguistics	
WRIT 2131 Everyday Creative Writing	
WRIT 2133 Forms in Writing	
WRIT 2135 Reading as a Writer	
WRIT 2230 Careers in Writing and Linguistics	
WRIT/LING 2430 Essential Grammar for Successful Writing	
WRIT 2533 Writers on Writing	
WRIT 2535 Writing and Place	
Foreign Language - through 2002 or its equivalent	0-6
Additional Courses from the following (not taken in Area B, C, or E)	0-3
CISM 1110 Computer Applications & CISM 1120 and Computer Concepts	
COMM 1100 Introduction to Human Communication	
ENGL 2111 World Literature I	
ENGL 2112 World Literature II	
FILM 2331 Introduction to Film Studies	
GCM 1321 Desktop Publishing & GCM 1411 and Desktop Publishing Laboratory	
IT 1130 Introduction to Information Technology	
WGST 2530 Introduction to Women and Gender Studies	
WRIT 2130 Technical Communication	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2

Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Major Requirements		
Common Body of Knowledge Courses (12 Credit Hours)		
Students must complete at least two common body of knowledge courses with a minimum grade of "C" before attempting 4000-5000 level classes.		12
LING 3630	Language and Linguistic Theory	
WRIT 3130	Creative Writing	
WRIT 3220	Foundations in Professional and Technical Writing	
WRIT 3531	Introduction to Writing Studies	
Upper Division Requirements (18 Credit Hours)		
Select one of the following Processes of Writing and Language courses:		3
LING 4333	Semantics	
WRIT 3233	Professional Editing	
WRIT 3234	Research Methods for Writers	
WRIT 3520	Revision, Grammar and Culture	
Select one (3-6 credit hours) from the following Capstone Experience courses:		3-6
WRIT 4790	Internship in Writing and Linguistics	
WRIT 5430	Advanced Poetry Writing	
WRIT 5530	Sociolinguistics	
or LING 5530	Sociolinguistics	
WRIT 5531	Advanced Creative NonFiction	
WRIT 5540	Advanced Fiction Writing	
WRIT 5650	Writing for Publication	
WRIT 5930	Technical Writing	
Select 9-12 credit hours from the following upper-division courses in the major as approved by advisor:		9-12
Creative Writing		
WRIT 3140	Writing for Young Readers	
WRIT 4130	Creative Non-fiction	
WRIT 4231	Screenwriting	
WRIT 4232	Advanced Screenwriting	
WRIT 4430	Poetry Writing	
WRIT 4530	Fiction Writing	
WRIT 4535	Intellectual Property	
WRIT 5430	Advanced Poetry Writing	
WRIT 5531	Advanced Creative NonFiction	
WRIT 5540	Advanced Fiction Writing	
WRIT 5632	Writing Flash Prose	
Professional Writing		
WRIT 3030	Selected Topics in Writing	
WRIT 3131	Teaching Writing	
WRIT 3133	Tutoring Writing	
WRIT 3230	Writing in the Workplace	
WRIT 3232	Writing Visual Information	
WRIT 3233	Professional Editing	
WRIT 3234	Research Methods for Writers	
WRIT 3430	Linguistics and Grammar for Teachers	
WRIT 3433	Comic Book Writing in American Culture	
WRIT 3435	Writing and Healing	
WRIT 3520	Revision, Grammar and Culture	
WRIT 4380	Writing Grants and Proposals	
WRIT 4550	Literacy and Identity	

WRIT 4560	Writing Argument	
WRIT 4570	Writing, Rhetoric, and Culture	
WRIT 4790	Internship in Writing and Linguistics	
WRIT 5030	Selected Topics in Writing	
WRIT 5130	Modern English Grammar	
WRIT 5330	History of English Language	
WRIT 5530	Sociolinguistics	
WRIT 5550	Technologies of Writing	
WRIT 5633	Writing the Body	
WRIT 5650	Writing for Publication	
WRIT 5930	Technical Writing	
Linguistics		
LING 3030	Selected Topics in Linguistics	
LING 3031	Phonology	
LING 3032	Syntax	
LING 3337	Language, Power, Politics	
LING 3338	Language and Law	
LING 3533	Introduction to Language	
LING 3534	Psychology of Language	
LING 4133	Gullah and Geechee Language and Culture	
LING 4333	Semantics	
LING 5130	Modern English Grammar	
LING 5330	History of English Language	
LING 5530	Sociolinguistics	
Minor - Required (15 Credit Hours)		
Select 15 credit hours of Minor		15
Elective (15 Credit Hours)		
Select 15 credit hours of Electives (advisor approved)		15
Total Credit Hours		126

Program Admission Criteria

Students must have an institutional GPA of 2.0 or higher to become a major in Writing and Linguistics.

Other Program Requirements

Writing and Linguistics majors must earn a grade of "C" or better in all courses in the major.

Honors in Writing and Linguistics

To graduate with Honors in Writing and Linguistics, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of Honors Research Seminar (UHON 4191) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

All Writing and Linguistics majors, including students in the UHP, are advised by an advisor located in the Newton Building, (912) 478-7740.

Linguistics Interdisciplinary Minor

Contact

Writing and Linguistics Department
Newton Building
Room 3306 A
(912) 478-5350

Minor Program

	Credit Hours
LING/FORL 3533 Introduction to Language	3
Select 12 credit hours from the following: ¹	12
LING 3030 Selected Topics in Linguistics	
LING 3031 Phonology	
LING 3032 Syntax	
LING/ANTH/ POLS 3337 Language, Power, Politics	
LING/POLS 3338 Language and Law	
LING/PSYC 3534 Psychology of Language	
LING 3630 Language and Linguistic Theory	
LING/AAST/ ANTH 4133 Gullah and Geechee Language and Culture	
LING 4333 Semantics	
LING/WRIT 5130 Modern English Grammar	
LING/WRIT 5330 History of English Language	
LING/ANTH/ WRIT 5530 Sociolinguistics	
WRIT 4790 Internship in Writing and Linguistics	
Total Credit Hours	15

¹ Courses may be selected from this list of courses approved for the minor. Other courses must be approved by the Director of the Linguistics Interdisciplinary Minor.

Linguistics Minor

Contact

Chair, Department of Writing & Linguistics
Newton Building
Room 1118
(912) 478-0141

Minor Program

	Credit Hours
LING 3533 Introduction to Language	3
Select 12 credit hours from the following: ¹	12
LING 3030 Selected Topics in Linguistics	
LING 3031 Phonology	
LING 3032 Syntax	
LING 3337 Language, Power, Politics	
LING 3338 Language and Law	
LING/PSYC 3534 Psychology of Language	

LING 3630	Language and Linguistic Theory
LING 4133	Gullah and Geechee Language and Culture
LING 4333	Semantics
LING 5130	Modern English Grammar
LING 5330	History of English Language
LING 5530	Sociolinguistics
WRIT 4790	Internship in Writing and Linguistics
Total Credit Hours	15

¹ Courses may be selected from this list of courses approved for the minor. Other courses must be approved by the director of the Linguistics Minor.

Professional and Technical Writing Minor

Contact

Chair, Department of Writing & Linguistics
Newton Building
Room 1118
(912) 478-0141

Required Course

	Credit Hours
WRIT 3220 Foundations in Professional and Technical Writing	3
Select four courses from the following:	12
WRIT 3030 Selected Topics in Writing ¹	
WRIT 3230 Writing in the Workplace	
WRIT 3232 Writing Visual Information	
WRIT 3233 Professional Editing	
WRIT 3234 Research Methods for Writers	
WRIT 4380 Writing Grants and Proposals	
WRIT 4790 Internship in Writing and Linguistics	
WRIT 5030 Selected Topics in Writing ¹	
WRIT 5550 Technologies of Writing	
WRIT 5650 Writing for Publication	
WRIT 5930 Technical Writing	
Total Credit Hours	15

¹ Chosen in consultation with advisor.

Writing Minor

Contact

Chair, Department of Writing & Linguistics
Newton Building
Room 1118
(912) 478-0141

Minor Program

	Credit Hours
Select five Upper Division Writing and Linguistics courses	15
Total Credit Hours	15

Linguistics Interdisciplinary Concentration

Contact

Department of Writing & Linguistics
Newton Building
(912) 478-5350

Concentration Program

	Credit Hours
LING/FORL 3533 Introduction to Language	3
Select 15 credit hours from the following: ¹	15
LING 3030 Selected Topics in Linguistics	
LING 3031 Phonology	
LING 3032 Syntax	
LING/ANTH/ POLS 3337 Language, Power, Politics	
LING/POLS 3338 Language and Law	
LING/PSYC 3534 Psychology of Language	
LING 3630 Language and Linguistic Theory	
LING/AAST/ ANTH 4133 Gullah and Geechee Language and Culture	
LING 4333 Semantics	
LING/WRIT 5130 Modern English Grammar	
LING/WRIT 5330 History of English Language	
LING/WRIT/ ANTH 5530 Sociolinguistics	
WRIT 4790 Internship in Writing and Linguistics	
Total Credit Hours	18

¹ Courses may be selected from the list of courses below approved for the concentration. Other courses must be approved by the director of the Linguistics Concentration.

Technical Writing Second Discipline Concentration

Contact

Dr. Timothy Giles
Department of Writing & Linguistics
Newton Building
Room 1122G
(912) 478-0229
tgiles@georgiasouthern.edu

	Credit Hours
Area F (3 Credit Hours)	
WRIT 2130 Technical Communication	3
Required Courses (15 Credit Hours)	
WRIT 3220 Foundations in Professional and Technical Writing	3
WRIT 3233 Professional Editing	3

WRIT 5930	Technical Writing	3
Select two of the following:		6
WRIT 3030	Selected Topics in Writing ¹	
WRIT 3230	Writing in the Workplace	
WRIT 3232	Writing Visual Information	
WRIT 3234	Research Methods for Writers	
WRIT 4380	Writing Grants and Proposals	
WRIT 5030	Selected Topics in Writing	
WRIT 5550	Technologies of Writing	
WRIT 5650	Writing for Publication	

Total Credit Hours **15**

¹ Chosen in Consultation with advisor

Programs - Pre-Professional

Pre-Law

There are no required majors, minors, or courses for law school. The American Bar Association does not recommend a specific major or minor, nor is there a specific major or minor which law schools prefer. Students should choose a major they will enjoy and in which they will excel, being certain to sharpen their skills in reading, speaking, researching, writing, and critical analysis.

To acquire full information about preparing for and taking the LSAT, preparing law school applications, and other concerns about seeking law school admission, contact Rebecca Davis at (912) 478-5765 or bdavis@georgiasouthern.edu or see <http://class.georgiasouthern.edu/prelaw/>. A pre-law office has been established in Carroll Room 2213 where students can ask questions, access resources, and acquire information.

Secondary P-12 Education Programs

Students who plan to seek teacher certification after completion of their undergraduate degree may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. Students interested in a Secondary Education (grades 6-12) certification in English, History, Political Science, and Writing and Linguistics or in P-12 (grades preschool-12) certification in Spanish should contact their departmental advisors or the College of Education Student Success Center for information related to content and certification requirements.

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor's program.

Structure

The College of Liberal Arts and Social Sciences includes eleven departments, five centers, and one institute:

Centers

Center for Africana Studies

Director: S. Jallow

Center for Irish Research and Teaching

Director: H. Keeley

University Writing Center

Director: M. Pemberton

CLASS Advisement Center

Coordinator: J. Glenn

Center for Pre-Law Advisement

Coordinator: R. Davis

Institutes

Institute for Public and Nonprofit Studies

Director: T. Davis

Women and Gender Studies

The mission of the Women's and Gender Studies Program at Georgia Southern University is to introduce students to the definitions, perspectives and methodology of the study of gender as an identity category. The Women's and Gender Studies Program at Georgia Southern University offers an inter-disciplinary minor available to all undergraduate students, regardless of major.

As an interdisciplinary minor, the Women's and Gender Studies Program promotes collaboration across diverse disciplines and among students, faculty, and the community who work together to understand the ways in which ideologies of gender and sexuality permeate the entire fabric of society.

Through course offerings in the undergraduate minor in Women's and Gender Studies (WGST), the program promotes academic study and dialogue on a broad range of topics related not only to women's contributions to the fundamental fields of human knowledge and achievement, but also to interdisciplinary studies of feminisms, masculinity, sex, gender, and sexuality.

The Women's and Gender Studies Program supports research, teaching, and outreach activities that analyze gender as an identity category; the relationship between gender and other identity categories, including race, class, ethnicity, nationality, and sexuality; and historical and contemporary gender issues in local, regional, national, and cross-cultural contexts.

Guided by disciplinary standards, the Women's and Gender Studies Program supports the University's mission by fostering research, teaching, and outreach activities that promote integrity, civility, kindness, and collaboration.

Women and Gender Studies Minor

- Women's and Gender Studies Interdisciplinary Minor (p. 221)

Women and Gender Studies Concentration

- Women's and Gender Studies Interdisciplinary Concentration (p. 221)

Women's and Gender Studies Interdisciplinary Minor

Contact

Women's and Gender Studies
Carroll Building
Room 2288

(912) 478-0625

Minor Program

		Credit Hours
WGST 2530	Introduction to Women and Gender Studies	3
An additional 12 credit hours of courses with significant Women and Gender Studies dimension in at least two disciplines other than the major must be completed for a total of 15 credit hours. Courses may be selected from this list of courses approved for the minor. Other courses must be approved by the director of the Women's and Gender Studies Program.		
Select four of the following:		12
ANTH 4332	Gender and Anthropology	
ENGL 3237	Women and Literature	
ENGL 5539	Literature by Women	
INTS/PSYC 3232	Psychology of Gender	
POLS 3235	Gender and Politics	
SOCI 4332	Sociology of Gender	
WGST 3090	Selected Topics in Women and Gender Studies	
WGST/HIST 3137	Topics in U.S. Women's History	
WGST/COMS 3333	Communication and Gender	
WGST/PHIL 4130	Feminist Philosophy	
WGST/COMM 4331	Gender, Media, and Representation	
WGST/HIST 4335	Woman Question" in Europe	
WGST/HIST/ AAST 4530	Revelation and Revolution	
WGST 5131	Sex, Violence, and Culture	
WGST/WRIT 5633	Writing the Body	
Total Credit Hours		15

Women's and Gender Studies Interdisciplinary Concentration

Contact

Women's & Gender Studies Program
Carroll Building
Room 2288
(912) 478-0625

Concentration Program

		Credit Hours
WGST 2530	Introduction to Women and Gender Studies	3

An additional 15 credit hours of courses with significant Women's and Gender Studies dimension in at least two disciplines other than the major must be completed for a total of 18 credit hours. Courses may be selected from this list of courses below approved for the concentration. Other courses must be approved by the Director of the Women's and Gender Studies.

Select 15 credit hours from the following:	15
ANTH 4332 Gender and Anthropology	
POLS 3235 Gender and Politics	
ENGL 3237 Women and Literature	
ENGL 5539 Literature by Women	
PSYC/INTS 3232 Psychology of Gender	
SOCI 4332 Sociology of Gender	
WGST 3090 Selected Topics in Women and Gender Studies	
WGST/HIST 3137 Topics in U.S. Women's History	
WGST/COMS 3333 Communication and Gender	
WGST/PHIL 4130 Feminist Philosophy	
WGST/COMM 4331 Gender, Media, and Representation	
WGST/HIST 4335 Woman Question" in Europe	
WGST/HIST/ AAST 4530 Revelation and Revolution	
WGST 5131 Sex, Violence, and Culture	
WGST/WRIT 5633 Writing the Body	
Total Credit Hours	18

Jiann-Ping Hsu College of Public Health

Web: <http://jphcoph.georgiasouthern.edu>
 Email: jphcoph@georgiasouthern.edu (jphcoph@georgiasouthern.edu)

Dean: Greg Evans
 3023 Hendricks Hall
 P.O. Box 8015
 Voice: (912) 478-2674 Fax: (912) 478-5811
 Email: rgevans@georgiasouthern.edu

Associate Dean of Academic Affairs: Stuart Tedders
 3024 Hendricks Hall
 P.O. Box 8015
 Voice: (912) 478-2674 Fax: (912) 478-5811
 Email: stedders@georgiasouthern.edu

Associate Dean of Research: Gulzar Shah
 3010 Hendricks Hall
 P.O. Box 8015
 Voice: (912) 478-2419 Fax: (912) 478-5811
 Email: gshah@georgiasouthern.edu

Executive Assistant to the Dean: Belinda Classens
 3021 Hendricks Hall
 P.O. Box 8015
 Voice: (912) 478-2676 Fax: (912) 478-5811
 Email: bclassens@georgiasouthern.edu

The Jiann-Ping Hsu College of Public Health (JPHCOPH) was created January 2006 and is accredited by the Council on Education for Public Health (CEPH). The College exists to provide public health education, research, and community service that will positively impact the quality of life and health disparities of rural and underserved populations. The establishment of the College was made possible by a generous gift from Dr. Karl E. Peace, in memory and honor of his wife, Dr. Jiann-Ping Hsu.

Vision

The Jiann-Ping Hsu College of Public Health will be the nationally recognized leader in the empowerment of rural communities and underserved populations to address public health issues, eliminate health disparities, and improve health outcomes.

Mission

The mission of the Jiann-Ping Hsu College of Public Health is to improve health, eliminate health disparities and health inequities of rural communities and underserved populations globally through excellence in teaching, public health workforce development, research, scholarship, professional service, and community engagement.

About Public Health

The Institute of Medicine (IOM) has defined the role of public health as "...the fulfillment of society's interest in assuring the conditions in which people can be healthy (IOM, 1988)." Public health activities focus on improving the health of communities.

Public health is also defined as the art and science of promoting health, preventing disease, and prolonging life among human populations; the broad mission of public health is to enhance human health through organized community efforts (Council on Education for Public Health, 1978).

A diverse and ever-expanding field of practice, public health embraces an ecological approach that recognizes the interactions and relationships among multiple determinants of health. It involves the dissemination of reliable information for policy decisions; identifying systemic inequalities and problems; protecting the public's health and safety through education and research; and fostering partnerships with individuals, communities, and organizations to promote health.

Though public health involves the knowledge and application of many disciplines in its research, teaching, service, and practice activities, the following have been identified as fundamental, core areas to the practice of public health (CEPH Accreditation Criteria, 2011):

- **Biostatistics** - collection, storage, retrieval, analysis and interpretation of health data; design and analysis of health-related surveys and experiments; and concepts and practice of statistical data analysis;
- **Environmental Health Sciences** - environmental factors including biological, physical, and chemical factors that affect the health of a community;
- **Epidemiology** - distributions and determinants of disease, disabilities, and death in human populations; the characteristics and dynamics of human populations; and the natural history of disease and the biologic basis of health;
- **Health Services Administration** - planning, organization, administration, management, evaluation, and policy analysis of health and public health programs; and
- **Community Health Education/Social and Behavioral Sciences** - concepts and methods of social and behavioral sciences relevant to the identification and solution of public health problems.

The teaching, research, and service activities of the Jiann-Ping Hsu College of Public Health are grounded in these core public health knowledge areas. Our goals for workforce development, community-based research, and community-based service help us focus our efforts on cross disciplinary projects that build on the synergistic effects of these core knowledge areas.

Public health is concerned with protecting the health of communities, both small and large. Public health professionals focus on building on assets and preventing problems from happening or re-occurring through implementing educational programs, developing policies, administering services, and conducting research in concert with, but in contrast to, clinical health professionals (e.g., physicians and nurses) who focus primarily on treating individuals after they become sick or injured. No matter what form public health assumes, its goal is always the same: to improve the quality of life of individuals, families, and communities by focusing on prevention, promotion, and protection.

This preventive model encompasses three core functions:

1. assessing and monitoring the health of communities and at-risk populations to identify health problems and establish priorities;
2. formulating public policies in collaboration with community and government leaders designed to prioritize and solve local and national health problems; and
3. assuring that all populations have access to appropriate and cost-effective health care, including health promotion and disease prevention services, and evaluating the effectiveness of the care.

Our Shared Values

The Jiann-Ping Hsu College of Public Health is endowed by Dr. Karl E. Peace as a tribute to his wife and an enduring celebration of her life characterized by "a zeal for excellence, consideration of others, intelligence and scholarship, honesty, kindness and humility." In honor of Dr. Hsu, the faculty, students, and staff of the JPHCOPH commit to

demonstrate these values in our behavior toward one another and to those whom we serve.

In 2007, the JPHCOPH students, faculty, and staff worked together to clarify the following list of shared core values. These values serve to guide decision-making for our workforce development, research, professional service, and community engagement activities. We will also use these values to help us make choices about how to move forward when the path is not clear.

- Excellence in research, service, and instruction.
- Passion for improving the health of rural communities and underserved populations.
- Responsibility for promoting health equity and eliminating health disparities in rural communities and underserved populations.
- Commitment to community involvement.
- Collaboration for problem solving.
- Commitment to developing as a "learning organization".

Experiential Learning Opportunities

All students are required to complete an internship experience. The internship is competency-based and provides the student the opportunity to further develop and integrate skills learned in the classroom.

Advisement

Undergraduate students are advised by the Undergraduate Advisor in the College of Public Health.

Department of Biostatistics

The Department of Biostatistics at Georgia Southern University's Jiann-Ping Hsu College of Public Health prepares you to develop and apply statistical reasoning and methods. Topics include addressing, analyzing, and solving problems in public health, health care, biomedical, clinical, and population-based research.

Department of Community Health Behavior and Education

The Department of Community Health Behavior and Education at Georgia Southern University's Jiann-Ping Hsu College of Public Health is designed to prepare you for community-based public health interventions. You will learn to solve problems in the field of public health and prepare for a variety of leadership positions, especially those in community health programs.

Community Health Behavior and Education Major

- Health Education and Promotion B.S.P.H. (p. 224)

Community Health Behavior and Education Minors

- Health Education and Promotion (p. 225)

Community Health Behavior and Education Concentration

- Informatics Second Discipline Concentration (p. 225)

Health Education and Promotion B.S.P.H.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

		Credit Hours
Area A1 - Communication Skills (6 Credit Hours)		
Select 6 credit hours from Area A1 of the Core Curriculum		6
Area A2 - Quantitative Skills (3 Credit Hours)		
Select 3 credit hours from Area A2 of the Core Curriculum		3
Area B - Global Engagement (4 Credit Hours)		
Select 4 credit hours from Area B of the Core Curriculum		4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)		
Select 6 credit hours from Area C of the Core Curriculum		6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)		
Select 11 credit hours from Area D of the Core Curriculum		11
Area E - Social Sciences (12 Credit Hours)		
Select 12 credit hours from Area E of the Core Curriculum		12
Area F - Courses Appropriate to Major (18 Credit Hours)		
BIOL 2240	Microbiology	4
KINS 2511	Human Anatomy and Physiology I Laboratory	1
KINS 2512	Human Anatomy and Physiology II Laboratory	1
KINS 2531	Human Anatomy and Physiology I	3
KINS 2532	Human Anatomy and Physiology II	3
NTFS 2530	Nutrition and Health	3
Additional Lab Science ¹		3
The additional hour will be used in electives		
Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Major Requirements (57 Credit Hours)		
PUBH 2130	Foundation of Health Education and Promotion	3
PUBH 3128	Multicultural and Social Determinants of Health	2
PUBH 3131	Chronic Diseases: A Modern Epidemic	3
PUBH 3132	Health Care Systems and Advocacy	3
PUBH 3136	Principles of Environmental Health	3
PUBH 3230	Community Health	3
PUBH 3231	Epidemiology and Biostatistics	3
PUBH 3330	Modifying Health Behaviors	3
PUBH 4132	Health Education and Promotion Program Planning I	3
PUBH 4133	Health Education and Promotion Program Planning II	3
PUBH 4134	Research Methods and Evaluation in Health Education and Promotion	3

PUBH 4330	Promotional Strategies for Health Programs	3
PUBH 4618	Senior Seminar in Health Education and Promotion	1
PUBH 4798	Internship in Health Education and Promotion ²	12
Select 9 credit hours from the following Directed Major Electives:		9
PUBH 3130	Substance Use and Abuse	
PUBH 3331	Stress Theory and Management in Health Promotion	
PUBH 3430	Sexuality Education	
PUBH 3531	Consumer Health	
PUBH 4099	Selected Topics in Health Science	
PUBH 4099S	Selected Topics in Health Science	
PUBH 4195S	International Studies Abroad in Health and Promotion	
PUBH 4230	Maternal and Child Health	
PUBH 4231	Health Aspects of Aging	
PUBH 4899	Directed Individual Study	
Elective (3 Credit Hours)		
Select 3 credit hours of Electives		3
Carryover from Area F		
Total Credit Hours		126

¹ Must be Biology or Chemistry Laboratory Science, excluding Environmental Laboratory Science Courses.

² Students not meeting the prerequisite requirements for the internship must complete a minor.

Program Admission Criteria

- Admission to Georgia Southern University
- A total institution GPA of 2.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered)
- Completed a minimum of 30 credit hours
- A minimum grade of "C" in all Area F course work attempted

Program Progression Requirements

- Students must also earn a minimum grade of "C" in a prerequisite course(s) prior to registering for an advanced course.
- Students must earn a minimum grade of "C" in all major courses, Directed Major Electives, and Area F courses; and have a GPA of 2.5 AND above to enroll in an internship.

Advisement

Students are advised by the undergraduate advisor in the College of Public Health, Hendricks Hall.

Health Education and Promotion Minor

Contact

Department of Community Health Behavior and Education
Hendricks Hall, Room 1022
Dr. Joanne Chopak-Foss
(912) 478-1530

jchopak@georgiasouthern.edu

Minor Program

		Credit Hours
PUBH 2130	Foundation of Health Education and Promotion	3
PUBH 3230	Community Health	3
Select three total from the following two lists:		9
HLTH 3332	Coordinated School Health Programs	
PUBH 3131	Chronic Diseases: A Modern Epidemic (Prerequisites: KINS 2531 and KINS 2511)	
PUBH 3132	Health Care Systems and Advocacy	
PUBH 3136	Principles of Environmental Health	
PUBH 3231	Epidemiology and Biostatistics	
PUBH 3330	Modifying Health Behaviors	
PUBH 4134	Research Methods and Evaluation in Health Education and Promotion	
Health Content Courses: ¹		
PUBH 3130	Substance Use and Abuse	
PUBH 3331	Stress Theory and Management in Health Promotion	
PUBH 3430	Sexuality Education	
PUBH 3531	Consumer Health	
PUBH 4230	Maternal and Child Health	
PUBH 4231	Health Aspects of Aging	
Total Credit Hours		15

¹ Prerequisites: Healthful Living (HLTH 1520) and sophomore status.

The Health Education and Promotion Minor is open to any student interested in health education and promotion.

Informatics Second Discipline Concentration

Contact

Dr. Joanne Chopak-Foss
(912) 478-1530
jchopak@georgiasouthern.edu

		Credit Hours
Area F (3 Credit Hours)		
STAT 2232	Introduction to Statistics II	3

		Credit Hours
Required Courses (15 Credit Hours)		
ACCT 2030	Survey of Accounting	3
HLTH 2510	Medical Terminology	1
PUBH 3131	Chronic Diseases: A Modern Epidemic	3
PUBH 3132	Health Care Systems and Advocacy	3
PUBH 5520	Introduction to Public Health	2
Select one of the following:		3
PUBH 3230	Community Health	
PUBH 4099	Selected Topics in Health Science	

PUBH 4330 Promotional Strategies for Health Programs

Total Credit Hours

15

Foundation of Health Education and Promotion (PUBH 2130) is a prerequisite for most of the Health Education and Promotion courses.

Department of Environmental Health Sciences

The mission of the Department of Environmental Health Sciences is to educate its graduates to recognize the public health implications of environmental and occupational factors. Students will gain an understanding of the factors responsible for influencing mortality and morbidity trends in human populations.

Department of Epidemiology

The Department of Epidemiology at Georgia Southern University's Jiann-Ping Hsu College of Public Health is designed to prepare you to become an applied epidemiologist in public health. You will study diseases of the human body in order to explain occurrence, distribution, and causative factors of diseases in human populations.

Department of Health Policy and Management

In the Department of Health Policy and Management, you will learn dynamic leadership of people, policy initiatives, and improvements to health status of communities, and wise management of resources and systems of health and healthcare.

Structure

The organizational structure of the JPHCOPH was developed to facilitate the work of the faculty within the three major faculty roles at Georgia Southern University: Teaching, Research, and Service, as well as to assist the College in achieving its Vision, Mission, Goals, and Objectives.

Collaboration, facilitation, and personal and collective responsibility are fundamental to the culture of JPHCOPH. Maintaining this culture is required for the effective functioning and advancement of our College.

The following is a listing of the components of the JPHCOPH organizational structure: Office of the Dean, five departments, three centers, and the Public Health Laboratory. The academic programs are embedded within the departmental structure. Associate Deans and Department Chairs are appointed by the Dean. College business is coordinated through standing and ad-hoc committees.

The faculty of the JPHCOPH consist of the professors, associate professors, assistant professors, instructors, lecturers and adjunct appointments in the five departments. Responsibilities of the faculty within the College include teaching, scholarship, and service. In addition, faculty members may be assigned administrative duties by the Administrative Officers as deemed necessary for effective and efficient functioning of JPHCOPH. The faculty within each Department work in collaboration with the Administrative Officers within the JPHCOPH to advance the Vision, Mission, Values, Goals, and Objectives.

Department of Biostatistics

Robert Vogel, Chair

Department of Community Health Behavior and Education

Joseph Telfair, Chair

Department of Environmental Health Sciences

Joseph Telfair, Chair

Department of Epidemiology

Robert Vogel, Chair

Department of Health Policy and Management

Gerald Ledlow, Chair

Center for Addiction Recovery

Emily Eisenhart, Director

Center for Rural Health Practice and Research

Charles Owens, Director

Angie Peden, Public Health Practice Coordinator

Karl E. Peace Center for Biostatistics and Survey Research

Hani Samawi, Director

Public Health Laboratory

Marina Eremeeva, Director

College of Science and Mathematics

Dean: Martha L. Abell
2141 Engineering Building
P. O. Box 8044
Phone (912) 478-5111
martha@georgiasouthern.edu

Interim Associate Dean of Faculty and Research Programs: Lance D. McBrayer
2141 Engineering Building
P. O. Box 8044
Phone (912) 478-5111
lancemcbrayer@georgiasouthern.edu

Associate Dean of Curriculum and Advisement: Brian P. Koehler
2141 Engineering Building
P. O. Box 8044
Phone (912) 478-5111
bkoehler@georgiasouthern.edu

In the College of Science and Mathematics, Bachelor of Science or Bachelor of Arts degrees can be pursued in the following majors: Biology, Chemistry, Geography, Geology, Mathematics, and Physics. Minors are available in Biology, Chemistry, Geographic Information Science, Geography, Geology, Mathematics, Military Science, and Physics. The College also offers Master of Science programs.

Students in the College of Science and Mathematics may also choose to pursue a pre-health professional program of study in Pre-Medicine, Pre-Dental Medicine, Pre-Veterinary Medicine, Pre-Pharmacy, Pre-Physician Assistant (PA), or Pre-Optometry. For students in any major, the Department of Military Science administers the Army ROTC program which leads to a commission as a second lieutenant at the time of graduation.

Vision

Within this decade, the College of Science and Mathematics will be recognized as a national leader in the development of innovative curricula and for its dedicated faculty who integrate distinguished scholarship with superior undergraduate and graduate education.

Mission

The College of Science and Mathematics at Georgia Southern University is a diverse community of teacher-scholars, students, alumni, and friends engaged in the discovery, application, integration, and transformation of scientific and technological knowledge. Reflecting the best practices of our disciplines, the College provides undergraduate and graduate students with a challenging education that is research-based and technology-infused, and promotes life-long learning and stewardship for the benefit of the human, natural, and technological resources of Georgia, the nation, and the world.

Visit us at our web site at cosm.georgiasouthern.edu

Advisement

The COSM Advisement Center is located in the Engineering Building, room 1116. Students meet with their advisor for academic advisement on major requirements, course selection, registration and other student concerns during two meetings each semester. Students with majors in the following areas will be advised in the COSM Advisement Center: Biology, Chemistry, Geology, Geography, Mathematical Sciences, and Physics.

While advisors provide information and guidance, final responsibility for completion of degree requirements rests with the student. All Georgia Southern students will complete the Core Curriculum as outlined. All majors have specific mathematics and science requirements. Therefore, it is to the student's advantage to fit these specific requirements into the Core Curriculum whenever possible. In this way, both the Core Curriculum and the requirements of the major may be met.

Students may contact the COSM Advisement Center if they have questions about advising.

COSM Advisement Center
Engineering Building, Room 1116
PO Box 8044-01
(912) 478-0649
(912) 478-2311 (Fax)
cosm-advisor@georgiasouthern.edu
cosm.georgiasouthern.edu/advisement

Lisa Vance, Coordinator: (912) 478-0525
Jean Dixon, Academic Advisor: (912) 478-7304
Kelly Gagel, Academic Advisor: (912) 478-2272
Marilyn Hale, Academic Advisor: (912) 478-2312
Benjamin Phillips, Academic Advisor: (912) 478-7686
Maria Sibbald, Admin. Secretary: (912) 478-0649
Laura Yocco, Academic Advisor: (912) 478-7687

Department of Biology

In today's world, studies in Biology are becoming increasingly important. Georgia Southern University's Biology program prepares students for careers as professional biologists in a wide variety of fields. Southeast Georgia is a biologically rich and ecologically diverse area that encompasses coastline, wetlands, woodlands, and cities. Consistent with the mission of the University, the Biology Department seeks to expand horizons through outreach, preserve distinctive cultural and natural legacies, and maintain the integrity of South Georgia's environment.

Biology Majors

- Biology B.A. (p. 227)
- Biology B.S.B. (p. 229)

Biology Minor

- Biology (p. 230)

Biology Concentration

- Environmental Sustainability Interdisciplinary Concentration (p. 230)

Biology B.A.

Degree Requirements: 126 Credit Hours

See *Core Curriculum* for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select one of the following:	3
MATH 1112 Trigonometry	
MATH 1113 Pre-Calculus ¹	
MATH 1441 Calculus I	
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4

Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)

Select 6 credit hours from Area C of the Core Curriculum	6
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Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)

Select 4 credit hours from one of the following lecture and laboratory course pairs: ²	4
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GEOL 1121	Introduction to the Earth	
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PHYS 1111	Introduction to Physics I	
&PHYS 1113	and Physics Lab I	

PHYS 2211	Principles of Physics I	
&PHYS 1113	and Physics Lab I	

Select additional CORE Curriculum courses to complete remaining Area D requirements	7
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Area E - Social Sciences (12 Credit Hours)

Select 12 credit hours from Area E of the Core Curriculum	12
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Area F - Courses Appropriate to Major (18 Credit Hours)

BIOL 2107	Principles of Biology I	3
&2107L	and Principles of Biology I Laboratory ³	

BIOL 2108	Principles of Biology II	4
&2108L	and Principles of Biology II Laboratory	

CHEM 1145	Principles of Chemistry I	8
&CHEM 1146	and Principles of Chemistry II	

Foreign Language Level III	0-2
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Math, Computer Science, Science Course approved by advisor	0-2
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Health and Physical Education Activities (4 Credit Hours)

HLTH 1520	Healthful Living	2
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Physical Education Activities	2
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Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Specific Requirements (5 Credit Hours)

Carry-over from Area F	1
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Select a 4 credit hour lecture and laboratory course pair from the following to complete an 8 credit hour sequence: (Students must complete 1 year of either Physics or Geology; first course in sequence should be counted in Area D1)	4
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GEOL 1122	General Historical Geology	
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PHYS 1112	Introduction to Physics II	
&PHYS 1114	and Physics Lab II	

PHYS 2212	Principles of Physics II	
&PHYS 1114	and Physics Lab II	

Major Requirements (28 Credit Hours)

BIOL - Prerequisite Courses (required prior to any BIOL courses at the 4000 and 5000-level)	9
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BIOL 3130	Principles of Genetics	
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BIOL 3131	Principles of Physiology	
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BIOL 3133	Evolution and Ecology	
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BIOL - Elective Courses (Level 3000 and above)	19
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CHEM 5541	Biochemistry I (may substitute for a BIOL Elective with advisor approval)	
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Three of the above courses must have a laboratory requirement (4 credit hour courses)

One of the above courses must qualify as a "scientific process" course; see Dept. website for list of qualifying courses.

Department recommends that one of the above courses qualify as a "capstone" experience; see Dept. website for list of qualifying courses. A maximum of 5 credit hours of capstone courses can be applied to the B.A. degree.

Foreign Language Requirements (6 Credit Hours)

Foreign Language Intermediate levels I & II (2001 & 2002)	0-6
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Electives (6 Credit Hours)

Select 6-12 credit hours of Electives	6-12
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Minor (Required) (15 Credit Hours)

Select 15 credit hours of Minor	15
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Total Credit Hours	126
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1 Trigonometry (MATH 1112) preferable for BIOL students

2 *The listed courses are recommended in Area D*

3 While the sequence Principles of Biology I (BIOL 2107) and Principles of Biology I Laboratory (BIOL 2107L) is 4 credit hours, only 3 credit hours will count toward fulfilling Area F. The remaining credit hour will be applied toward Specific Requirements.

Other Program Requirements

- No more than 30 credit hours of upper division coursework in Biology may count toward the 126 minimum for graduation.
- Students must have a combined average of "C" or better for all biology courses.

Honors in Biology

For students entering the University Honors Program as freshman and seeking to complete the Departmental Honors in Biology, it is highly recommended that these freshmen complete:

	Credit Hours
Freshman/Sophomore Level Courses (22 Credit Hours)	
BIOL 2107H	4
&BIOL 2107L	
BIOL 2108H	4
&BIOL 2108L	
CHEM 1145H	4
CHEM 1146H	4
FYE 1220H	2
MATH 1441H	4
Required Biology Honors Courses (11 Credit Hours)	
Sophomore/Junior Level Courses	5
BIOL 2320H	5
Honors Research Methods in Biology (typically in Area F)	
BIOL 3630H	6
Honors Current Trends in Biological Research	
Junior/Senior Level Courses	6
BIOL 4895H	6
Honors Research	
BIOL 4999H	6
Honors Thesis	
Total Credit Hours	33

A student who does not enter the Departmental Honors in Biology Program as a freshman will be considered for admittance based on the following criteria:

- Freshman Year - Overall GPA of 3.3 or higher, if completed BIOL 2107 and BIOL 2108 must have a grade of "A" in both courses, or an "A" and a "B".
- Sophomore Year - Overall GPA of 3.3 or higher, including completion of BIOL 2107, BIOL 2108, and one intermediate prerequisite (BIOL

3130, BIOL 3131, or BIOL 3133) with a GPA of at least 3.3 in these classes.

Typically, students with 3 semesters or less to complete their degree are not eligible to enter the Departmental Honors in Biology Program.

After entering the Departmental Honors in Biology Program, students are required to complete the required biology honors courses and the capstone experience to earn Departmental Honors in Biology. Students also would be required to maintain a 3.3 overall GPA, including a GPA of 3.3 in courses supportive of the major.

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649

Biology B.S.B.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select one of the following: ¹	3
MATH 1112 Trigonometry	
MATH 1113 Pre-Calculus	
MATH 1441 Calculus I	
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 4 credit hours from one of the following lecture and laboratory course pairs: ²	4
GEOL 1121 Introduction to the Earth	
PHYS 1111 Introduction to Physics I	
&PHYS 1113 and Physics Lab I	
PHYS 2211 Principles of Physics I	
&PHYS 1113 and Physics Lab I	
Select additional CORE Curriculum courses to complete remaining Area D requirements	7
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
BIOL 2107 Principles of Biology I	3
&2107L and Principles of Biology I Laboratory ³	
BIOL 2108 Principles of Biology II	4
&2108L and Principles of Biology II Laboratory	
CHEM 1145 Principles of Chemistry I	8
&CHEM 1146 and Principles of Chemistry II	
Foreign Language Level III	0-2
Math, Computer Science, Science Course approved by advisor	0-2
Health and Physical Education Activities (4 Credit Hours)	

HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements (17 Credit Hours)	
Carry-over from Area F	1
CHEM 3341 Organic Chemistry I	4
CHEM 3342 Organic Chemistry II	4
MATH 1441 Calculus I (May be counted in Area D3 with 1 credit hour carryover to this section)	4
Select a 4 credit hour lecture and laboratory course pair from the following to complete an 8 credit hour sequence: (Students must complete 1 year of either Physics or Geology; first course in sequence should be counted in Area D1)	4
GEOL 1122 General Historical Geology	
PHYS 1112 Introduction to Physics II	
&PHYS 1114 and Physics Lab II	
PHYS 2212 Principles of Physics II	
&PHYS 1114 and Physics Lab II	
CHEM, GEOL, GEOG, MATH, PHYS, or STAT Electives approved by advisor	0-3
Major Requirements (35 Credit Hours)	
BIOL - Prerequisite Courses (required prior to any BIOL courses at the 4000 and 5000-level)	9
BIOL 3130 Principles of Genetics	
BIOL 3131 Principles of Physiology	
BIOL 3133 Evolution and Ecology	
BIOL - Elective Courses (Level 3000 and above)	26
CHEM 5541 Biochemistry I (May substitute for a BIOL Elective with advisor approval)	
Three of the above courses must have a laboratory requirement (BIOL 4 credit hour courses)	
One of the above courses must qualify as a "scientific process" course; see Dept. website for list of qualifying courses	
Department recommends that one of the above courses qualify as a "capstone" experience; see Dept. website for list of qualifying courses. A maximum of 7 credit hours of capstone courses can be applied to the B.S.B. degree	
Electives (8 Credit Hours)	
At least six credit hours must be outside Biology	8
Total Credit Hours	126

- Trigonometry (MATH 1112) preferable for BIOL students.
- The listed courses are recommended in Area D.
- While the sequence Principles of Biology I (BIOL 2107) and Principles of Biology I Laboratory (BIOL 2107L) is 4 credit hours, only 3 credit hours will count toward fulfilling Area F. The remaining credit hour will be applied toward Specific Requirements.

Other Program Requirements

- No more than 40 credit hours of upper division coursework (3000+) in Biology may count toward the 126 minimum for graduation.
- Students must have combined average of "C" or better for all biology courses.

Honors in Biology

For students entering the University Honors Program as freshman and seeking to complete the Departmental Honors in Biology, it is highly recommended that these freshmen complete:

	Credit Hours
Freshman/Sophomore Level Courses (22 Credit Hours)	
BIOL 2107H Principles of Biology I &BIOL 2107L and Principles of Biology I Laboratory	4
BIOL 2108H Principles of Biology II &BIOL 2108L and Principles of Biology II Laboratory	4
CHEM 1145H Principles of Chemistry I	4
CHEM 1146H Principles of Chemistry II	4
FYE 1220H First-Year Seminar	2
MATH 1441H Calculus I	4
Required Biology Honors Courses (11 Credit Hours)	
Sophomore/Junior Level Courses	
BIOL 2320H Honors Research Methods in Biology (typically in Area F)	5
BIOL 3630H Honors Current Trends in Biological Research	3
Junior/Senior Level Courses	
BIOL 4895H Honors Research	6
BIOL 4999H Honors Thesis	6
Total Credit Hours	33

A student who does not enter the Departmental Honors in Biology Program as a freshman will be considered for admittance based on the following criteria:

- Freshman Year: Overall GPA of 3.3 or higher, if completed BIOL 2107 and BIOL 2108 must have a grade of "A" in both courses, or an "A" and a "B."
- Sophomore Year: Overall GPA of 3.3 or higher, including completion of BIOL 2107, BIOL 2108, and one intermediate prerequisite (BIOL 3130, BIOL 3131, or BIOL 3133) with a GPA of at least 3.3 in these classes.

Typically, students with 3 semesters or less to complete their degree are not eligible to enter the Departmental Honors in Biology Program.

After entering the Departmental Honors in Biology Program, students are required to complete the required biology honors courses and the capstone experience to earn Departmental Honors in Biology. Students also would be required to maintain a 3.3 overall GPA, including a GPA of 3.3 in courses supportive of the major.

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649

Biology Minor

Contact

Chair, Department of Biology
Biological Sciences Building, Room 1111
(912) 478-5487

Prerequisite(s)

	Credit Hours
CHEM 1145 Principles of Chemistry I (Preferred, but a similar introductory chemistry course might substitute)	4
BIOL 2107 Principles of Biology I &2107L and Principles of Biology I Laboratory (Preferred, but a similar introductory course might substitute)	4
BIOL 2108 Principles of Biology II &2108L and Principles of Biology II Laboratory	4
Total Credit Hours	12

Minor Program

	Credit Hours
BIOL 3130 Principles of Genetics	3
BIOL 3131 Principles of Physiology	3
BIOL 3133 Evolution and Ecology	3
Upper Division Electives (6 hours)	6
BIOL - Upper Division courses (3000 level or above) - at least one laboratory offering required	6
Total Credit Hours	15

Additional Minor Requirements/Recommendations

A Departmental Advisor must approve all course work.

Environmental Sustainability Interdisciplinary Concentration

Contact

Department of Biology
Dr. Lissa Leege
(912) 478-0800
leege@georgiasouthern.edu

Concentration Program

A total of 18 credit hours are required for the concentration (Global Sustainability and Innovation (TCGT 1530) course and 15 upper division credit hours). Note that students must complete both Global Sustainability and Innovation (TCGT 1530) and their D2 Environmental Science requirement prior to taking upper division courses in the concentration.

	Credit Hours
TCGT 1530 Global Sustainability and Innovation	3
Select 15 credit hours from the following: ¹	12
ANTH 4331 Anthropology and Human Problems ²	3
BIOL 3133 Evolution and Ecology	3
BIOL 5530 Wildlife Management	3
BIOL 5534 Conservation Biology	3
BIOL 5542 Aquatic Ecology	3
BIOL 5540 Ecology	3
BIOL 5547 Marine Ecology	3
CHEM 5233 Environmental Chemistry	3
COMS/AAST 4337 Rhetoric of Social Movements ³	3

ECON 4337	Environmental Economics
GEOG 3130/3130S	Conservation ³
GEOG 3230	Economic Geography ³
GEOG 3330	Weather and Climate ²
GEOG 3530	Cultural Geography ²
GEOL 5230	Earth Science ²
GEOL 5740	Sea Turtle Natural History ³
INDS 3530	Sustainable Materials and Methods for the Interior Environment ³
INTS 3230	Global Issues
NTFS 3631	Sustainable Foods ³
PHIL 3334	Environmental Ethics ³
POLS 3231	Environmental Politics ³
POLS 3236	International Relations ³
POLS 4137	Politics of the Global South ³
PUBH 3136	Principles of Environmental Health
PUBH 3331	Stress Theory and Management in Health Promotion ²
PUBH 5520	Introduction to Public Health ³
RECR 3230	Adventure Education ³
RECR 3235	Outdoor Recreation Management
RECR 4230	Environmental Education and Interpretation
SOCI 3335	Social Change
SOCI 3435	Environmental Sociology
SOCI 4130	Groups and Community Action
TSEC 5333	Industrial Hygiene and Ergonomics ³
TSEC 5334	Hazardous Waste Management
TSEC 5336	Environmental Law ³
Additional Requirement ⁴	3
SUST 4730	Practicum in Environmental Sustainability

Total Credit Hours 18

¹ An additional 12 credit hours of courses with significant Sustainability dimension in at least two disciplines other than the major must be completed. Courses may be selected from the list of courses below approved for the concentration. Other courses must be approved by the Director of the Center for Sustainability.

² Permission of instructor

³ Courses with no prerequisites

⁴ Practicum in Environmental Sustainability (SUST 4730) is a capstone project in sustainability, conducted with a faculty mentor (generally in the home department) and coordinated by the Director of the Center for Sustainability.

Department of Chemistry

The Department of Chemistry offers a well-balanced program for the education of its students. To prepare them for their professional careers, the Department is committed to providing quality teaching and research experiences emphasizing critical and independent thought. The curriculum provides strong innovative instruction in the theory and practice of the chemical sciences. It is designed to introduce students to modern laboratory methods and technology using state-of-the-art scientific

equipment. The faculty is committed to providing an environment that addresses the individual needs of each student and encourages them to develop their potential through life-long learning and to be responsible members of their profession and community.

Chemistry Majors

- Chemistry B.A. (p. 231)
- Chemistry B.A. (Concentration in Biochemistry) (p. 232)
- Chemistry B.S.CHEM (p. 233)
- Chemistry B.S.CHEM (Concentration in Biochemistry) (p. 234)

Chemistry Minor

- Chemistry (p. 235)

Chemistry B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
CHEM 1145 Principles of Chemistry I &CHEM 1146 and Principles of Chemistry II (Recommended) ¹	7
Select 1 lecture/lab course from Area D2 Environmental Science of the Core Curriculum	4
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
MATH 1441 Calculus I	4
MATH 2242 Calculus II	4
PHYS 2211 Principles of Physics I &PHYS 1113 and Physics Lab I	4
PHYS 2212 Principles of Physics II &PHYS 1114 and Physics Lab II	4
Math, Computer Science, Science Course approved by advisor - may include carryover from Area A2 (1) and/or Area D (1)	2
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements (7 Credit Hours)	
CHEM 2030 Principles of Chemistry Research	3
CHEM 2242 Analytical Chemistry	4
Major Requirements (28 Credit Hours)	

CHEM 3140	Advanced Inorganic Chemistry	4
CHEM 3341	Organic Chemistry I	4
CHEM 3342	Organic Chemistry II	4
CHEM 3441	Chemical Kinetics & Thermodynamics	4
CHEM 5541	Biochemistry I	4
Students must complete 8 additional hours of upper-level chemistry coursework* (3000-level and above, not to include CHEM 3530 Principles of Biochemistry) ²		8
Foreign Language Requirements (2002 Level)		
Select 0-6 credit hours of Foreign Language (2002 Level)		0-6
Minor (Required) (15 Credit Hours)		
Select 15 credit hours of Minor		15
Electives (10 Credit Hours)		
Select 4-10 credit hours of Electives (At least 3 credit hours must be outside Chemistry)		4-10
Total Credit Hours		126

¹ The listed courses are recommended in Area D as prerequisites for major courses.

² a maximum of 4 cr hrs of CHEM 4890 Chemical Research Experience and/or CHEM 4790 Chemistry Internship, and only 1 cr hr of CHEM 3790 Teaching Internship in Chemistry, may be counted toward the upper-level chemistry coursework.

Program Admission Criteria

- Students who wish to change their major to Chemistry must have a total institution GPA of 2.0 or better in all course work completed at Georgia Southern.
- Transfer students from other institutions who wish to major in Chemistry must have a GPA of 2.0 or better on all credit hours attempted at other institutions as well as those credit hours attempted at Georgia Southern.

Other Program Requirements

- Chemistry majors must maintain a "C" average in all major coursework which applies toward graduation.

Honors in Chemistry

To graduate with Honors in Chemistry, a student must:

- be admitted to the University Honors Program
- complete a capstone project equivalent to three credit hours with a measurable outcome approved by the Department of Chemistry
- maintain a 3.3 overall GPA, including a minimum GPA of 3.5 in all major courses applied toward graduation

This degree is certified by the American Chemical Society (ACS).

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649

Chemistry B.A. (Concentration in Biochemistry)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	

Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
CHEM 1145 Principles of Chemistry I & CHEM 1146 and Principles of Chemistry II (Recommended) ¹	7
Select 1 lecture/lab course from Area D2 Environmental Science of the Core Curriculum	4
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
BIOL 2107L Principles of Biology I Laboratory	1
MATH 1441 Calculus I	4
MATH 2242 Calculus II	4
PHYS 2211 Principles of Physics I & PHYS 1113 and Physics Lab I	4
PHYS 2212 Principles of Physics II & PHYS 1114 and Physics Lab II	4
Carryover from Area A2 (1) or Area D (1)	1
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements (10 Credit Hours)	
BIOL 2107 Principles of Biology I	3
CHEM 2030 Principles of Chemistry Research	3
CHEM 2242 Analytical Chemistry	4
Major Requirements (29 Credit Hours)	
CHEM 3140 Advanced Inorganic Chemistry	4
CHEM 3341 Organic Chemistry I	4
CHEM 3342 Organic Chemistry II	4
CHEM 3441 Chemical Kinetics & Thermodynamics	4
CHEM 5541 Biochemistry I	4
CHEM 5542 Biochemistry II	4
Students must complete 5 additional hours of upper-level chemistry coursework (3000-level and above, not to include CHEM 3530 Principles of Biochemistry) ²	5
Foreign Language Requirements (2002 Level)	
Select 0-6 credit hours of Foreign Language (2002 Level)	0-6
Minor (BIOLOGY) (15 Credit Hours)	
A Minor in Biology is required for the B.A. Chemistry with Concentration in Biochemistry	15
Electives (6 Credit Hours)	
Select 0-6 credit hours of Electives	0-6
Total Credit Hours	126

¹ The listed courses are recommended in Area D as prerequisites for major courses.

² a maximum of 4 cr hrs of CHEM 4890 and/or CHEM 4790, and only 1 cr hr of CHEM 3790, may be counted toward the upper-level chemistry coursework.

Program Admission Criteria

- Students who wish to change their major to Chemistry must have a total institution GPA of 2.0 or better in all course work completed at Georgia Southern.
- Transfer students from other institutions who wish to major in Chemistry must have a GPA of 2.0 or better on all credit hours attempted at other institutions as well as those hours attempted at Georgia Southern.

Other Program Requirements

- Chemistry majors must maintain a "C" average in all major coursework which applies toward graduation.

Honors in Chemistry

To graduate with Honors in Chemistry, a student must:

- be admitted to the University Honors Program
- complete a capstone project equivalent to three credit hours with a measurable outcome approved by the Department of Chemistry
- maintain a 3.3 overall GPA, including a minimum GPA of 3.5 in all major courses applied toward graduation

This degree is certified by the American Chemical Society (ACS).

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649

Chemistry B.S.CHEM

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
CHEM 1145 Principles of Chemistry I & CHEM 1146 and Principles of Chemistry II (Recommended) ¹	7
Select 1 lecture/lab course from Area D2 Environmental Science of the Core Curriculum	4
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
MATH 1441 Calculus I	4
MATH 2242 Calculus II	4

PHYS 2211 Principles of Physics I & PHYS 1113 and Physics Lab I	4
PHYS 2212 Principles of Physics II & PHYS 1114 and Physics Lab II	4
Math, Computer Science, Science Course approved by advisor - may include carryover from Area A2 (1) and/or Area D (1)	2

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520 Healthful Living	2
Physical Education Activities	2

Orientation (2 Credit Hours)

FYE 1220 First-Year Seminar	2
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Specific Requirements (7 Credit Hours)

CHEM 2030 Principles of Chemistry Research	3
CHEM 2242 Analytical Chemistry	4

Major Requirements (37 Credit Hours)

CHEM 3140 Advanced Inorganic Chemistry	4
CHEM 3341 Organic Chemistry I	4
CHEM 3342 Organic Chemistry II	4
CHEM 3441 Chemical Kinetics & Thermodynamics	4
CHEM 3442 Introduction to Quantum Chemistry	4
CHEM 4241 Instrumental Analysis	4
CHEM 5541 Biochemistry I	4

Students must complete 9 additional hours of upper level chemistry coursework* (3000-level and above, not to include CHEM 3530 Principles of Biochemistry) ²

Electives (16 Credit Hours)

Select 16 credit hours of Electives (At least 3 credit hours must be outside Chemistry) 16

Total Credit Hours 126

¹ The listed courses are recommended in Area D as prerequisites for major courses.

² a maximum of 4 cr hrs of CHEM 4890 Chemical Research Experience and/or CHEM 4790 Chemistry Internship, and only 1 cr hr of CHEM 3790 Teaching Internship in Chemistry, may be counted toward the upper-level chemistry coursework.

Program Admission Criteria

- Students who wish to change their major to Chemistry must have a total institution GPA of 2.0 or better in all course work completed at Georgia Southern.
- Transfer students from other institutions who wish to major in Chemistry must have a GPA of 2.0 or better on all credit hours attempted at other institutions as well as those hours attempted at Georgia Southern.

Other Program Requirements

- Chemistry majors must maintain a "C" average in all major coursework which applies toward graduation.

Honors in Chemistry

To graduate with Honors in Chemistry, a student must:

- be admitted to the University Honors Program
- complete a capstone project equivalent to three credit hours with a measurable outcome approved by the Department of Chemistry
- maintain a 3.3 overall GPA, including a minimum GPA of 3.5 in all major courses applied toward graduation

This degree is certified by the American Chemical Society (ACS).

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649

Chemistry B.S.CHEM (Concentration in Biochemistry)

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
Select 3 credit hours from Area A2 of the Core Curriculum	3
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
CHEM 1145 Principles of Chemistry I &CHEM 1146 and Principles of Chemistry II (Recommended) ¹	7
Select 1 lecture/lab course from Area D2 Environmental Science of the Core Curriculum	4
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
MATH 1441 Calculus I	4
MATH 2242 Calculus II	4
PHYS 2211 Principles of Physics I &PHYS 1113 and Physics Lab I	4
PHYS 2212 Principles of Physics II &PHYS 1114 and Physics Lab II	4
Math, Computer Science, Science Course approved by advisor - may include carryover from Area A2 (1) and/or Area D (1)	2
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements (15 Credit Hours)	
BIOL 2107 Principles of Biology I	3
BIOL 2107L Principles of Biology I Laboratory	1
BIOL 2108 Principles of Biology II	3
BIOL 2108L Principles of Biology II Laboratory	1
CHEM 2030 Principles of Chemistry Research	3
CHEM 2242 Analytical Chemistry	4
Major Requirements (38 Credit Hours)	
CHEM 3140 Advanced Inorganic Chemistry	4
CHEM 3341 Organic Chemistry I	4

CHEM 3342	Organic Chemistry II	4
CHEM 3441	Chemical Kinetics & Thermodynamics	4
CHEM 3442	Introduction to Quantum Chemistry	4
CHEM 5541	Biochemistry I	4
CHEM 5542	Biochemistry II	4

Students must complete 4 additional hours of upper-level chemistry coursework* (3000-level and above, not to include CHEM 3530 Principles of Biochemistry) ²

Students must also take 6 credit hours selected from the list below: 6

BIOL 3130	Principles of Genetics
BIOL 4230	Introduction to Immunology
BIOL 4240	Biology of Microorganisms
BIOL 4890	Undergraduate Research
BIOL 5142	Molecular Biotechniques
BIOL 5240	Histology
BIOL 5241	Comparative Vertebrate Anatomy
BIOL 5246	Human Pathophysiology
BIOL 5248	Immunology
BIOL 5341	Parasitology
BIOL 5431	Virology
CHEM 5531	Bioinorganic Chemistry

Electives (7 Credit Hours)

Select 7 credit hours of Electives (At least 3 credit hours must be outside Chemistry) 7

Total Credit Hours **126**

¹ The listed courses are recommended in Area D as prerequisites for major courses.

² a maximum of 4 cr hrs of CHEM 4890 Chemical Research Experience and/or CHEM 4790 Chemistry Internship, and only 1 cr hr of CHEM 3790 Teaching Internship in Chemistry, may be counted toward the upper-level chemistry coursework.

Program Admission Criteria

- Students who wish to change their major to Chemistry must have a total institution GPA of 2.0 or better in all course work completed at Georgia Southern.
- Transfer students from other institutions who wish to major in Chemistry must have a GPA of 2.0 or better on all credit hours attempted at other institutions as well as those hours attempted at Georgia Southern.

Other Program Requirements

- Chemistry majors must maintain a "C" average in all major coursework which applies toward graduation.

Honors in Chemistry

To graduate with Honors in Chemistry, a student must:

- be admitted to the University Honors Program
- complete a capstone project equivalent to three credit hours with a measurable outcome approved by the Department of Chemistry
- maintain a 3.3 overall GPA, including a minimum GPA of 3.5 in all major courses applied toward graduation

This degree is certified by the American Chemical Society (ACS).

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649

Chemistry Minor

Contact

Chair, Department of Chemistry
Nursing/Chemistry Building, Room 2003C
(912) 478-5681

Prerequisite(s)

		Credit Hours
CHEM 1145	Principles of Chemistry I	4
CHEM 1146	Principles of Chemistry II	4
Total Credit Hours		8

Minor Program

The Chemistry Minor requires 15 credit hours above the 2100 level of which 9 credit hours must be upper division courses. The following courses may **NOT** be counted in the 15 credit hours for the minor:

		Credit Hours
CHEM 3530	Principles of Biochemistry	3
CHEM 3790	Teaching Internship in Chemistry	1-3
CHEM 4790	Chemistry Internship	1-4

For individuals seeking teacher certification through MAT, the following list of courses is strongly recommended as part of the 15 credit hours requirement.

		Credit Hours
CHEM 2242	Analytical Chemistry	4
CHEM 3341	Organic Chemistry I	4

For further information regarding Certification, please refer to the College of Education (p. 119) section.

Department of Geology and Geography

The Department of Geology and Geography offers a balance of teaching, research, and service to the region served by the University, and beyond. Areas of focus among geology faculty include igneous and metamorphic petrology, paleontology, sedimentology, structural geology, hydrogeology, coastal geology, environmental geology, geoscience education, and natural history of the Coastal Plain. Geography faculty interests include climatology, geomorphology, geospatial analysis, economic geography, health geography, cultural geography, ecohydrology, hazards, and biogeography. Both programs emphasize the application of Geographic Information Science.

Geology and Geography Majors

- Geography B.A. (p. 235)
- Geography B.S. (p. 236)
- Geology B.A. (p. 237)
- Geology B.S. (p. 237)

Geology and Geography Minors

- Geographic Information Science (p. 239)
- Geography (p. 239)
- Geology (p. 239)

Geology and Geography Concentration

- Geographic Information Second Discipline Concentration (p. 239)

Geography B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1101 Introduction to Mathematical Modeling	3
or MATH 1111 College Algebra	
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Foreign Language 2002 - Intermediate II	3
STAT 2231 Introduction to Statistics I	3
Select 12 credit hours of the following:	12
Foreign Language through 2001	
ANTH 1102 Introduction to Anthropology	
HIST 1111 World History I: Development of World Civilization	
INTS 2130 Introduction to International Studies	
PHIL 2020 Critical Thinking	
SOCI 1101 Introduction to Sociology	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements (28 Credit Hours)	
Geography Requirements	
GEOG 1101 Introduction to Human Geography	3
GEOG 1111 Climate and the Landscape	3
Select one of the following:	4
GEOG 3440 Introduction to GIS and Cartography	
GEOG 3741 Remote Sensing	
Select one of the following:	3
AAST 3230 Introduction to Africa and Its Diaspora	
ANTH 3331 Cultural Anthropology	

INTS 3230	Global Issues	
Major Electives:		15
Select 15 hours of Upper Division Geography courses (GEOG 3000-level and above). May include no more than 2 hours of GEOG 3790 - Teaching Internship in Geography and 6 hours of GEOG 5890 - Directed Study.		
Electives (17 Credit Hours)		
Select 17 credit hours of Electives		17
Minor: Approved by advisor. (15 Credit Hours)		
Select 15 credit hours of Minor (Strongly recommend minor in GIS)		15
Total Credit Hours		126

Program Requirements

- Geography majors must maintain an overall 2.0 GPA across all Geography coursework (any course with GEOG prefix).

Honors in Geography

Students majoring in Geography (BS or BA) may pursue an Honors in Geography program. Students are required to have a minimum GPA of 3.2 after 45 credit hours of coursework and approval of Geology and Geography faculty to commence the Honors program.

To graduate with Honors in Geography, a student must:

- Maintain a minimum GPA of 3.5 in the major and a 3.2 in a minor.
- Complete a senior thesis (BA or BS degree) with a minimum grade of "B" in GEOG 4610 Senior Thesis Seminar. The thesis will be supervised by a Geology/Geography faculty member.
- Complete Introduction to Research (GEOG 4120), Senior Thesis Research I (GEOG 4830), and Senior Thesis Research II (GEOG 4831) (senior thesis research sequence) for a total of 8 credit hours.
- Present a departmental seminar on the thesis research.

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649

Geography B.S.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1112 Trigonometry	3
or MATH 1113 Pre-Calculus	
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12

Area F - Courses Appropriate to Major (18 Credit Hours)		
GEOG 1111	Climate and the Landscape	3
MATH 1441	Calculus I	4
STAT 2231	Introduction to Statistics I	3
Select two of the following electives:		8
BIOL 1130	General Biology	
&BIOL 1110	and General Biology Laboratory (if not taken in Area D)	
CHEM 1145	Principles of Chemistry I (if not taken in Area D)	
GEOL 1121	Introduction to the Earth (if not taken in Area D)	
GEOL 1340	Environmental Geology	
PHYS 1111	Introduction to Physics I	
&PHYS 1113	and Physics Lab I (if not taken in Area D)	

Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements (41 Credit Hours)		
Required Courses:		17
GEOG 1101	Introduction to Human Geography	
GEOG 3440	Introduction to GIS and Cartography	
GEOG 4120	Introduction to Research	
GEOG 4542	Intermediate GIS	
GEOG 3741	Remote Sensing	
Major Electives:		24
Select 24 hours of Upper Division Geography courses (GEOG 3000-level and above) ¹		
May include no more than 2 hours of GEOG 3790 - Teaching Internship in Geography and 6 hours of GEOG 5890 - Directed Study		
Electives (19 Credit Hours)		
Select 16-19 credit hours of Electives		16-19
Foreign Language (2001 Level)		
Carryover from the Core, if applicable		0-3
Total Credit Hours		126

¹ Students pursuing Senior Thesis Research must earn a minimum grade of B in Introduction to Research (GEOG 4120), have a minimum overall GPA of 3.0 upon completion of Introduction to Research (GEOG 4120), and complete Senior Thesis Research I (GEOG 4830) and Senior Thesis Research II (GEOG 4831).

Program Requirements

- Geography majors must maintain an overall 2.0 GPA across all Geography coursework (any course with GEOG prefix).

Honors in Geography

Students majoring in Geography (BS or BA) may pursue an Honors in Geography program. Students are required to have a minimum GPA of 3.2 after 45 credit hours of coursework and approval of Geology and Geography faculty to commence the Honors program.

To graduate with Honors in Geography, a student must:

- Maintain a minimum GPA of 3.5 in the major and a 3.2 in a minor.
- Complete a senior thesis (BA or BS degree) with a minimum grade of "B" in GEOG 4831. The thesis will be supervised by a Geology/Geography faculty member.
- Complete GEOG 4120, GEOG 4830, and GEOG 4831 (senior thesis research sequence) for a total of 8 credit hours.
- Present a departmental seminar on the thesis research.

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649. Senior thesis research is advised by Geography Faculty in the Department of Geology and Geography, Herty Building, Phone: (912) 478-5361.

Geology B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1112 Trigonometry	3
or MATH 1113 Pre-Calculus	
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Students must complete CHEM 1145, CHEM 1146, GEOL 1121, and GEOL 1122 if not taken in Area D	
CHEM 1145 Principles of Chemistry I	4
CHEM 1146 Principles of Chemistry II	4
GEOL 1121 Introduction to the Earth	4
GEOL 1122 General Historical Geology	4
Carryover from Area D	1
Electives	
Select from the following:	1
BIOL 1130 General Biology	
& BIOL 1110 and General Biology Laboratory	
MATH 1441 Calculus I	
MATH 2242 Calculus II	
PHYS 1111 Introduction to Physics I	
& PHYS 1113 and Physics Lab I	
PHYS 1112 Introduction to Physics II	
& PHYS 1114 and Physics Lab II	
STAT 2231 Introduction to Statistics I	
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2

Orientation (2 Credit Hours)

FYE 1220	First-Year Seminar	2
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Specific Requirements (25 Credit Hours)

Geology Requirements		
GEOL 3541	Mineralogy	4
GEOL 3542	Petrology and Petrography	4
GEOL 5142	Stratigraphy and Sedimentation	4
GEOL 5440	Structural Geology	4
Geology Electives - (3000 level and above)		9

Electives (20 Credit Hours)

Select 14-20 credit hours of Electives	14-20
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Foreign Language (2002 Level)

Select 0-6 credit hours of Foreign Language	0-6
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Minor: Must be approved by advisor (15 Credit Hours)

Select 15 credit hours of Minor	15
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Total Credit Hours	126
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Program Requirements

- Geology majors must maintain an overall 2.0 GPA across all Geology coursework (any course with GEOL prefix).

Honors in Geology

Students majoring in Geology (BS or BA) may pursue an Honors in Geology program. Students are required to have a minimum GPA of 3.2 after 45 credit hours of coursework and approval of Geology and Geography faculty to commence the Honors program.

To graduate with Honors in Geology, a student must:

- Maintain a minimum GPA of 3.5 in the major and a 3.2 in a minor.
- Complete a senior thesis (BA or BS degree) with a minimum grade of "B" in Senior Seminar (GEOL 4610). The thesis will be supervised by a Geology/Geography faculty member.
- Complete a Introduction to Research (GEOL 4120), Senior Thesis Research I (GEOL 4830), and Senior Thesis Research II (GEOL 4831) (3 semester research sequence) for a total of 8 credit hours. A minimum grade of "B" is required in Introduction to Research (GEOL 4120) to continue the research sequence.
- Present a departmental seminar on the thesis research.

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649

Geology B.S.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1112 Trigonometry	3
or MATH 1113 Pre-Calculus	
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	

Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
GEOL 1121 Introduction to the Earth	7
&GEOL 1122 and General Historical Geology ^{1,2}	
Select 4 additional credit hours from Area D2 of the Core Curriculum	4
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
CHEM 1145 Principles of Chemistry I	4
CHEM 1146 Principles of Chemistry II	4
MATH 1441 Calculus I ³	3
MATH 2242 Calculus II ⁴	3
orSTAT 2231 Introduction to Statistics I	
BIOL 1130 General Biology	3
BIOL 1110 General Biology Laboratory	1
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements (9 Credit Hours)	
Carry over from Area D (1)	1
Carry over from Area F (1 -2)	1-2
PHYS 1111 Introduction to Physics I	3
orPHYS 2211 Principles of Physics I	
PHYS 1112 Introduction to Physics II	3
orPHYS 2212 Principles of Physics II	
PHYS 1113 Physics Lab I	1
PHYS 1114 Physics Lab II	1
Major Requirements (32 Credit Hours)	
GEOL 3520 Field Methods	2
GEOL 3541 Mineralogy	4
GEOL 3542 Petrology and Petrography	4
GEOL 4120 Introduction to Research	2
GEOL 5142 Stratigraphy and Sedimentation	4
GEOL 5440 Structural Geology	4
Guided Elective ⁵	6
Select Option 1 or Option 2 below:	6
Option 1 ⁶	
GEOL 4830 Senior Thesis Research I	
GEOL 4831 Senior Thesis Research II	
Option 2	
6 credit hours of 3000-level or above Geology electives (May include no more than 2 credit hours of GEOL 3790 - Teaching Internship in Geology. GEOL 5230 - Earth Science and GEOL 5231 - Oceanography may not be used to fulfill upper-level course requirements in the major.)	
All B.S. Geology students must complete:	
BIOL 1130 General Biology	
BIOL 1110 General Biology Laboratory	
CHEM 1145 Principles of Chemistry I	
CHEM 1146 Principles of Chemistry II	

GEOL 1121 Introduction to the Earth	
GEOL 1122 General Historical Geology	
MATH 1441 Calculus I	
MATH 2242 Calculus II	
orSTAT 2231 Introduction to Statistics I	
PHYS 1111 Introduction to Physics I	
PHYS 1112 Introduction to Physics II	
PHYS 1113 Physics Lab I	
PHYS 1114 Physics Lab II	
Electives (16 Credit Hours)	
Select 14-15 credit hours of Electives	14-15
Foreign Language (2001 Level) (3 Credit Hours)	
Select 3 credit hours of Foreign Language	3
Total Credit Hours	126

¹ *The listed courses are recommended in Area D*

² While Introduction to the Earth (GEOL 1121) and General Historical Geology (GEOL 1122) together are 8 credit hours, only 7 credit hours will count toward fulfilling Area D. The remaining credit hour will be applied toward Specific Requirements.

³ While Calculus I (MATH 1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area F. The remaining credit hour will be applied toward Specific Requirements.

³ While Calculus II (MATH 2242) is 4 credit hours, only 3 credit hours will count toward fulfilling Area F. The remaining credit hour will be applied toward Specific Requirements.

⁵ *NOTE: Guided elective must be a 6 credit hour Geology field course - permission of advisor required*

⁶ *Students pursuing Option 1 must have a minimum grade of B in Introduction to Research (GEOL 4120) and an overall GPA of 3.0 or higher upon completion of Introduction to Research (GEOL 4120), or permission of the Department Chair.*

Program Requirements

- Geology majors must maintain an overall 2.0 GPA across all Geology coursework (any course with GEOL prefix).

Honors in Geology

Students majoring in Geology (BS or BA) may pursue Honors in Geology. Students are required to have a minimum GPA of 3.2 after 45 credit hours of coursework and approval of Geology and Geography faculty to commence the Honors program.

To graduate with Honors in Geology, a student must:

- Maintain a minimum GPA of 3.5 in the major and a 3.2 in a minor.
- Complete a senior thesis (BA or BS degree) with a minimum grade of "B" in Senior Seminar (GEOL 4610). The thesis will be supervised by a Geology/Geography faculty member.
- Complete Introduction to Research (GEOL 4120), Senior Thesis Research I (GEOL 4830), and Senior Thesis Research II (GEOL 4831) (senior thesis research sequence) for a total of 8 credit hours. A minimum grade of "B" is required in Introduction to Research (GEOL 4120) to continue the research sequence.
- Present a departmental seminar on the thesis research.

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649. Senior thesis research is advised by Geology Faculty in the Department of Geology and Geography, College of Science and Mathematics, Herty Building, Phone: (912) 478-5361.

Geographic Information Science Minor

Contact

Chair, Department of Geology and Geography
Herty Building, Room 1110B
(912) 478-0667

Minor Program

(Upper Division)

	Credit Hours
GEOG 3440 Introduction to GIS and Cartography	4
GEOG 4542 Intermediate GIS	4
GEOG 4543 Advanced GIS: Spatial Analysis and Modeling	4
GEOG 3741 Remote Sensing	4
or GEOG 5091 Applied GIS	4
Total Credit Hours	16

Geography Minor

Contact

Chair, Department of Geology and Geography
Herty Building, Room 1110B
(912) 478-0667

Prerequisite(s)

	Credit Hours
Select one of the following:	3-4
GEOG 1101 Introduction to Human Geography	
GEOG 1111 Climate and the Landscape & GEOG 1110 and Climate and the Landscape Lab	
GEOG 1130 World Regional Geography	
Total Credit Hours	0

Minor Program

	Credit Hours
GEOG - Upper Division courses (3000-level and above)	15
Total Credit Hours	15

For individuals seeking teacher certification through MAT, the following list of courses is recommended.

	Credit Hours
Highly Recommended (6 Credit Hours)	
GEOG 3330 Weather and Climate	3
GEOG 3530 Cultural Geography	3
Recommended (9 Credit Hours)	
Select 9 credit hours of the following:	9
GEOG 3130 Conservation	
GEOG 3230 Economic Geography	
GEOG 4130 Biogeography	
GEOG 4232 Geography of Latin America	
GEOG 4233 Geography of Asia	
GEOG 4430 Geography of Europe	

GEOG 5230	Urban Geography	
GEOG 5330	Population Geography	
GEOG 5430	Political Geography	
GEOG 5590	Field Studies in Geography	
Total Credit Hours		15

For further information regarding Certification, please refer to the College of Education (p. 119) section.

Geology Minor

Contact

Chair, Department of Geology and Geography
Herty Building, Room 1110B
(912) 478-0667

Prerequisite(s)

	Credit Hours
GEOL 1121 Introduction to the Earth	4
Total Credit Hours	4

Minor Program

	Credit Hours
Select 8 credit hours from the following Upper Division courses:	8
GEOL 3541 Mineralogy & GEOL 3542 and Petrology and Petrography	
GEOL 5141 Paleontology & GEOL 5142 and Stratigraphy and Sedimentation	
GEOL - Any combination of upper level courses (excluding GEOL 5230 and GEOL 5231) that will total at least 7 credit hours	7
Total Credit Hours	15

Additional Minor Requirements/ Recommendations

Students are encouraged to take one of two basic course tracks, either the "hard rock" sequence or the "soft rock" sequence in order to develop strength in at least one area of the science.

For individuals seeking teacher certification through MAT, the following list of courses is recommended.

	Credit Hours
GEOL 3541 Mineralogy	4
GEOL 3542 Petrology and Petrography	4
GEOL 5142 Stratigraphy and Sedimentation	4
GEOL 5440 Structural Geology	4
Total Credit Hours	16

For further information regarding Certification, please refer to the College of Education (p. 119) section.

Geographic Information Science Second Discipline Concentration

Contact

Chair, Geology and Geography Department

Herty Building, Room 1110B
(912) 478-0667

	Credit Hours
Area F	
STAT 2232 Introduction to Statistics II	4

Minor Program

	Credit Hours
GEOG 3440 Introduction to GIS and Cartography	4
GEOG 3741 Remote Sensing	4
GEOG 4542 Intermediate GIS	4
GEOG 4543 Advanced GIS: Spatial Analysis and Modeling	4

Total Credit Hours **16**

Department of Mathematical Sciences

The Department of Mathematical Sciences offers programs of study for students interested in mathematics, mathematics education or statistics. The department is dedicated to providing students with excellent instruction that incorporates innovative instructional techniques and technologies. In their roles as teacher-scholars, the faculty maintains consistent and significant productivity, recognized at regional, national, and international levels, in basic research, applications, and pedagogy. The department is strengthened by the extensive service activities of the faculty on campus and in the community as well as through high-profile service to the profession. In addition, the department provides many areas for student involvement, including an active student organization and student competition teams.

Mathematical Sciences Majors

- Mathematics B.S. (p. 240)
- Mathematics B.S.Mat. (p. 241)

Mathematical Sciences Minor

- Mathematics (p. 242)

Mathematics B.S.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1112 Trigonometry ¹	3
orMATH 1113 Pre-Calculus	
orMATH 1441 Calculus I	
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
MATH 1441 Calculus I ²	3

orMATH 2242 Calculus II	
Select 8 additional credit hours from Area D of the Core Curriculum	8

Area E - Social Sciences (12 Credit Hours)

Select 12 credit hours from Area E of the Core Curriculum 12

Area F - Courses Appropriate to Major (18 Credit Hours)

Carryover from Area A2 or Area D (1) 3 of the 4 credit hours of MATH 1441 are taken in either Area A2 or Area D 1

MATH 2242 Calculus II (1 credit hour carryover from Area D if 3 of the 4 credit hours of MATH 2242 are taken in Area D) 1-4

MATH 2243 Calculus III 4

MATH 2331 Elementary Linear Algebra 3

MATH 2332 Mathematical Structures 3

Select one of the following Computer Science Courses or a course approved by Mathematics Advisor: 3-4

CSCI 1232 Introduction to FORTRAN Programming

CSCI 1236 Introduction to Java Programming

CSCI 1301 Programming Principles I

CSCI 1302 Programming Principles II

INTS 2130 Introduction to International Studies (OR Foreign Language up to 2001) 3

Health and Physical Education Activities (4 Credit Hours)

HLTH 1520 Healthful Living 2

Physical Education Activities 2

Orientation (2 Credit Hours)

FYE 1220 First-Year Seminar 2

Specific Requirements (4-10 Credit Hours) (10 Credit Hours)

Lab Science Course in addition to those taken in Area D 4

Foreign Language course(s) through 2001 (3-6) OR 3-6

INTS 2130 - Introduction to International Studies (3) if not completed above

Major Requirements (32 Credit Hours)

Required courses

MATH 3230 Ordinary Differential Equations 3

MATH 3337 Probability 3

MATH 4920 Undergraduate Seminar 2

MATH 5331 Analysis I 3

MATH 5333 Modern Algebra I 3

Select six of the following elective courses:³ 18

MATH 3130 College Geometry

MATH 4630 Game Theory

MATH 4890 Directed Study in Mathematics

MATH 4930 Senior Research Project

MATH 5090 Selected Topics in Mathematics

MATH 5136 History of Mathematics

MATH 5230 Advanced Geometry

MATH 5234 Number Theory

MATH 5330 Operations Research

MATH 5332 Analysis II

MATH 5334 Modern Algebra II

MATH 5335 Intermediate Linear Algebra

MATH 5336 Applied Numerical Methods

MATH 5337 Difference Equations

MATH 5338 Methods of Applied Mathematics

MATH 5339	Partial Differential Equations
MATH 5430	Introduction to Mathematical Biology
MATH 5431	Combinatorics and Graph Theory
MATH 5433	Differential Geometry of Curves and Surfaces
MATH 5434	Functions of a Complex Variable
MATH 5435	Introduction to Topology
MATH 5436	Introduction to Fractals
MATH 5437	Mathematics and Computation of Curves and Surfaces
MATH 5539	Mathematical Models
STAT 4090	Selected Topics in Statistics
STAT 4890	Directed Study in Statistics
STAT 5130	Sampling and Survey Methods
STAT 5330	Introduction to Mathematical Statistics
STAT 5531	Statistical Methods I
STAT 5532	Statistical Methods II

Concentration in Mathematics Education:

Students who choose the option of a Concentration in Mathematics Education are required to take MATH 3130, MATH 5136, MATH 5234 and STAT 5531 as four of their six mathematics electives. These four courses are also a requirement for admission to the M.A.T. (Master of Arts in Teaching) program with a concentration in Mathematics.

Electives (18 Credit Hours)

Select 18-24 credit hours of Electives 18

Carryover from Area A2 (1) if MATH 1113 is taken in Area A2

For the Concentration in Mathematics Education, the courses that are listed in the Pre-Professional Block (PPB) are recommended for the M.A.T.

Total Credit Hours **126**

- 1 While Pre-Calculus (MATH 1113) and Calculus I (MATH 1441) are 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Area F.
- 2 Calculus I (MATH 1441) if not taken in Area A2, otherwise recommend Calculus II (MATH 2242)
- 3 *(must include at least Analysis II (MATH 5332), Modern Algebra II (MATH 5334), or Intermediate Linear Algebra (MATH 5335))*

Other Program Requirements

A minimum grade of "C" is required for each CSCI, MATH, and STAT course taken in the major. This applies to all courses (lower and upper division). The mathematics major may not subsequently take for credit toward graduation a lower level MATH or STAT course after earning credit hour for a course that has the lower level course as a prerequisite (except by advisor's permission).

Honors in Mathematics

To graduate with Honors in Mathematics, a student must:

- be admitted to the University Honors Program at least three semesters prior to graduation;
- successfully complete Honors Research (MATH 4825H) for two semesters and Honors Thesis (MATH 4929H) for a total of six credit hours;
- be in good standing in the University Honors Program at the time of graduation.

Note: Students earning the B.S. with a major in Mathematics and "Honors in Mathematics" may use the six credit hours earned through Honors Research (MATH 4825H) and Honors Thesis (MATH 4929H) as part of the Mathematics Electives. Therefore, these students will select four courses instead of six courses from the Mathematics Electives.

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649

Mathematics B.S.Mat.**Degree Requirements: 126 Credit Hours**

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1112 Trigonometry ¹	3
or MATH 1113 Pre-Calculus	
or MATH 1441 Calculus I	
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
MATH 1441 Calculus I ²	4
or MATH 2242 Calculus II	
Select 7 additional credit hours from Area D of the Core Curriculum	7
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours)	
Carryover from Area A2 or Area D (1) 3 of the 4 credit hours of MATH 1441 are taken in either Area A2 or Area D	1
MATH 2242 Calculus II (1 credit hour carryover from Area D if 3 of the 4 credit hours of MATH 2242 are taken in Area D)	1-4
MATH 2243 Calculus III	4
MATH 2331 Elementary Linear Algebra	3
MATH 2332 Mathematical Structures	3
Select one of the following Computer Science Courses or a course approved by Mathematics Advisor:	3-4
CSCI 1232 Introduction to FORTRAN Programming	
CSCI 1236 Introduction to Java Programming	
CSCI 1301 Programming Principles I	
CSCI 1302 Programming Principles II	
INTS 2130 Introduction to International Studies (OR Foreign Language up to 2001)	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2

Specific Requirements (0-6 Credit Hours)

Foreign Language course(s) through 2001 (3-6) OR INTS 2130 - Introduction to International Studies (3) if not completed above 0-6

Major Requirements (44 Credit Hours)

Required courses

MATH 3230	Ordinary Differential Equations	3
MATH 3337	Probability	3
MATH 4920	Undergraduate Seminar	2
MATH 5331	Analysis I	3
MATH 5333	Modern Algebra I	3
MATH 5335	Intermediate Linear Algebra	3
MATH 5336	Applied Numerical Methods	3
STAT 5531	Statistical Methods I	3

Select seven of the following elective courses:³ 21

MATH 3130	College Geometry	
MATH 4630	Game Theory	
MATH 4890	Directed Study in Mathematics	
MATH 4930	Senior Research Project	
MATH 5090	Selected Topics in Mathematics	
MATH 5136	History of Mathematics	
MATH 5230	Advanced Geometry	
MATH 5234	Number Theory	
MATH 5330	Operations Research	
MATH 5332	Analysis II	
MATH 5334	Modern Algebra II	
MATH 5337	Difference Equations	
MATH 5338	Methods of Applied Mathematics	
MATH 5339	Partial Differential Equations	
MATH 5430	Introduction to Mathematical Biology	
MATH 5431	Combinatorics and Graph Theory	
MATH 5433	Differential Geometry of Curves and Surfaces	
MATH 5434	Functions of a Complex Variable	
MATH 5435	Introduction to Topology	
MATH 5436	Introduction to Fractals	
MATH 5437	Mathematics and Computation of Curves and Surfaces	
MATH 5539	Mathematical Models	
STAT 4090	Selected Topics in Statistics	
STAT 4890	Directed Study in Statistics	
STAT 5130	Sampling and Survey Methods	
STAT 5330	Introduction to Mathematical Statistics	
STAT 5532	Statistical Methods II	

Electives (16 Credit Hours)

Select 10-16 credit hours of Electives 10-16

Carryover from Area A2 (1) if MATH 1113 is taken in Area A2

Total Credit Hours 126

- While Pre-Calculus (MATH 1113) and Calculus I (MATH 1441) are 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Area F.
- Calculus I (MATH 1441) (4) if not taken in Area A2, otherwise recommend Calculus II (MATH 2242)
- must include at least Analysis II (MATH 5332) or Modern Algebra II (MATH 5334)

Other Program Requirements

A minimum grade of "C" is required for each CSCI, MATH, and STAT course taken in the major. This applies to all courses (lower and upper division). The mathematics major may not subsequently take for credit hour toward graduation a lower level MATH or STAT course after earning credit hour for a course that has the lower level course as a prerequisite (except by advisor's permission).

Honors in Mathematics

To graduate with Honors in Mathematics, a student must:

- be admitted to the University Honors Program at least three semesters prior to graduation;
- successfully complete Honors Research (MATH 4825H) (2) for two semesters and Honors Thesis (MATH 4929H) (2) for a total of six credit hours;
- be in good standing in the University Honors Program at the time of graduation.

Note: Students earning the B.S. in Mathematics and "Honors in Mathematics" may use the six credit hours earned through Honors Research (MATH 4825H) and Honors Thesis (MATH 4929H) as part of the Mathematics Electives. Therefore, these students will select five courses instead of seven courses from the Mathematics Electives.

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649

Mathematics Minor**Contact**

Chair, Department of Mathematical Sciences
Math Physics Building, Room 3008
(912) 478-5132

Prerequisite(s)

		Credit Hours
MATH 1441	Calculus I	4
MATH 2242	Calculus II	4
Total Credit Hours		8

Minor Program

		Credit Hours
MATH 2331	Elementary Linear Algebra	3
Select one of the following:		3-4
MATH 2243	Calculus III	
MATH 2332	Mathematical Structures	
MATH - Any 3000-level or above MATH/STAT courses approved for the B.S. with a Major in Mathematics or the B.S. in Mathematics degree programs		9
Total Credit Hours		12

Department of Military Science

The Georgia Southern University Military Science Department is charged with managing the Army's Reserve Officer Training Corps (ROTC) program on campus. Army ROTC provides college-trained officers for the U.S. Army, the Army National Guard, and the U.S. Army Reserve. It does this through a combination of college courses in military science and

summer training sessions. The Professor of Military Science at Georgia Southern also administers the programs at Armstrong Atlantic State University, Savannah State University and Savannah College of Art and Design.

Military Science Major

- Military Science Non-Degree (p. 243)

Military Science Minor

- Military Science (p. 245)

Military Science Non-Degree

Non-Degree Requirements: 15-32 Credit Hours

U. S. Army Reserve Officer Training Program Overview

The Department of Military Science is a Senior Division Reserve Officer Training Corps (ROTC) Instructor Group staffed by Army personnel. The department provides a curriculum that qualifies the college graduate for a commission as an officer in the U. S. Army, U. S. Army Reserve or the Army National Guard. Enrollment is open to all students. The ROTC program is designed to provide students with the knowledge and practical experience in leadership and management that will be useful in any facet of society. Additionally, each student is provided a working knowledge of the organization and function of the Department of Defense and the role of the U. S. Army in national security and world affairs. The ROTC program is divided into two main phases: the Basic Course, which is normally pursued during the freshman and sophomore years, and the Advanced Course, which is taken during the junior, senior or graduate years.

Basic Course Description

The Military Science Basic Course teaches the organization and roles of the U. S. Army and introduces essential background knowledge of customs and traditions, leadership, map reading, small unit organization, and marksmanship. These courses have the objective of developing the student's leadership, confidence, self-discipline, integrity, and sense of responsibility. There is no obligation to continue in ROTC as a result of taking any Basic Course classes. Additionally, all students in the Basic Course are required to participate in physical training. Physical training is conducted Monday, Wednesday and Fridays from 0600 - 0700 hours.

	Credit Hours
Basic Course	
Students may take four 2-credit hour courses (8 Credit Hours) or MSCI 2731 - Basic Military Skills Practicum (3) or a combination of the two in order to receive Basic Course credit hour.	3-8
Basic Course Requirements (8 Credit Hours)	
MSCI/KINS 1510 Mountaineering	1
MSCI 1111 Introduction to Military Science	1
MSCI 1122 Basic Military Leadership	2
MSCI 2121 Basic Military Skills	2
MSCI 2122 Basic Military Tactics	2
Basic Military Skills Practicum (3 Credit Hours)	
MSCI 2731 Basic Military Skills Practicum (Basic Camp) (registration optional)	3

The Leadership Training Course is offered for those students who have not met the Basic Course requirements and desire to enroll in the Advance Course program. This course is currently conducted at Fort Knox, Kentucky during the summer. Students may earn three credit hours for attending this course through registration at the Registrar's Office upon completion of the course and coordination through the Military Science Department. Students attending this camp are paid and given travel allowance from their home to camp and back.

Advanced Course Description

The Military Science Advanced Course is taken during the junior/senior or graduate years. Students learn land navigation, communications, small unit tactics, patrolling, military management, staff operations, logistics, army administration, military law, ethics, and the Army system and culture. Additionally, students must satisfy Professional Military Education (PME) requirements with courses in the following areas: communications skills, computer literacy, and military history. Students must meet eligibility requirements and sign a contract for commissioning with the U.S. Army. The general objective of these courses is to produce junior officers who will be the future officer leadership of the U.S. Army, U.S. Army Reserve, or the Army National Guard. Contracted Advanced Course students are required to attend the Leadership Development and Assessment Course (LDAC), normally between their junior and senior academic years. **This course is mandatory for all students seeking a commission in the U.S. Army but registration for university credit hour is optional.** Students attending this camp are paid and given travel allowance from their home to camp and back. Students may earn three credit hours for attending this course through registration at the Registrar's office upon completion of the course and coordination through the Military Science Department.

	Credit Hours
Advanced Course (12 Credit Hours)	
MSCI 3131 Advanced Tactics and Applied Leadership I	3
MSCI 3132 Advanced Tactics and Applied Leadership II	3
MSCI 4131 Military Leadership and Management Seminar	3
MSCI 4132 Transition to Lieutenant	3
Advanced Military Skills Practicum (3 Credit Hours)	
MSCI 3731 Advanced Military Skills Practicum (Advanced Camp) (registration optional - This course is mandatory for all students seeking a commission in the U.S. Army but registration for university credit hour is optional.)	3

The ROTC Leader Development and Assessment Course (LDAC) or operation WARRIOR FORGE is the most important training event for an Army ROTC Cadet. The 32-day training event incorporates a wide range of subjects designed to develop and evaluate leadership ability. The challenges are rigorous and demanding, both mentally and physically. WARRIOR FORGE tests intelligence, common sense, ingenuity and stamina. These challenges provide a new perspective on an individual's ability to perform exacting tasks and to make difficult decisions in demanding situations. This course is mandatory for all students wishing to seek a commission in the U.S. Army but registration is not required. Students may earn three credit hours for attending this course through registration at the Registrar's Office upon completion of the course and coordination through the Military Science Department. Students attending this camp are paid and given travel allowance from their home to camp and back.

CISM 1110	Computer Applications
CISM 1120	Computer Concepts

Participating Students Requirements (CC Pam 145-4/AR 145-1)

- Participating students are those who choose not to or are ineligible to sign the **CC Form 139-R**, Cadet Enrollment Record, and therefore are not enrolled cadets. They are divided into the categories below. All categories of participating students who meet the requirements set by the school authorities may take Army ROTC classes for all 4 years. Participation in other than classroom instruction is not authorized. Specific grades and grade point averages (GPA) are awarded to these students for classroom work only and the policies set by the school authorities.
- ROTC participating students are students who participate in military science courses but are not fully enrolled in ROTC. They are divided into three categories: auditing students, conditional students, and alien students. Students who are ineligible or become ineligible for enrollment as an ROTC cadet may, if desired by school authorities and approved by the PMS, participate in the ROTC program in one of the above categories provided:

- They are not authorized access to classified instructional material.
 - They are in good standing and attending school full time.
 - There is no loss in effectiveness of military instruction.
 - Such participation is not otherwise prohibited by law, DOD Directive or Army Regulation.
- ROTC participating students are ineligible for:
 - Subsistence allowance. (See para 3-30b in CC Pam 145-4/AR 145-1.)
 - Participation in the ROTC Scholarship Program.
 - Commissioning credit hour, except immigrant alien students. Conditional students will be given credit hour for that part of the course successfully completed upon change to enrolled status. (See para 3-30b in CC Pam 145-4/AR 145-1.)
 - Participation in any physical training, labs, field training exercises or any events outside the classroom. These students are also not authorized to wear the Army uniform or receive any issue of such from the ROTC Department.
 - ROTC students completing the course of instruction in a non-enrolled status are ineligible for appointment as commissioned officers. Although immigrant aliens may be authorized to participate in the SROTC Program, if properly qualified, they must be advised that:
 - Current DOD Policy requires U.S. citizenship to be eligible for a security clearance.
 - Effective 1 January 1988, HQDA policy requires the possession of a SECRET security clearance, based on a National Agency Check (NAC) to be eligible for appointment.
 - These two requirements must be met by graduation.
 - Participants who do not meet these requirements by graduation will not be retained as a participating member of the ROTC program. (No waiver of these requirements will be granted.) Immigrant alien graduates who have otherwise fulfilled commissioning requirements may apply for direct commissioning once DOD requirements are met. Only conditional students and participating immigrant alien students may be presented a DA Form 134 (Military Training Certificate Reserve Officers' Training Corps) after successfully completing all or part of the SROTC Program. When the student is issued the certificate it will be annotated to reflect that the certificate does not entitle the student to a commission.
 - No student, except those in the alien student category, will be authorized to wear the ROTC uniform if denied enrollment into the ROTC because of failure to sign the loyalty oath.

Program Admission Criteria

All students entering the GSU Military Science courses must have a statement from a physician attesting that the student is capable of participating in physical activities. This statement must be no more than one-year old from time of entry. Students in the Basic Course can obtain this medical statement from Health Services on campus. Students interested in earning a commission in the U.S. Army and enrolling in the Advanced Course require a Department of Defense Medical Evaluation Review Board physical, must be an academic junior or higher, have a GPA of 2.0 or better, have an SAT score of 920 or higher or an ACT score 19, be a U.S. citizen, have no moral obligations or personal conviction preventing service, satisfactorily explain any record of arrest and/or civil conviction, be a high school graduate or possess an equivalent certificate, pass the Army Physical Fitness Test and must demonstrate a potential for further leadership development. Additionally, Veterans, JROTC graduates (with at least four years of high school JROTC), and students who have completed military science courses in the military preparatory schools and junior colleges are eligible for advanced placement and are not required to participate in the Basic Course.

Other Program Requirements

(9 credit hours)

Professional Military Education (PME) requirements are for students seeking a commission in the U.S. Army. Students must take 3 credit hours in each area with a preference in American Military History (HIST 3230) for a Minor. The following is a list of PME classes:

	Credit Hours
Communication Skills (written and oral)	3
ENGL 1101 Composition I (Core Curriculum - Area A1)	
ENGL 1102 Composition II (Core Curriculum - Area A1)	
WRIT 3230 Writing in the Workplace	
WRIT 4130 Creative Non-fiction	
Military History	3
HIST 3136 U.S. as a Global Power	
HIST 3230 American Military History (preferred)	
HIST 4531 World War I	
HIST 5335 World War II	
Computer Literacy	3

- Applicability of academic credit hour and other school policies concerning participation in the ROTC program for these categories will be determined by school authorities.
- An immigrant alien who is also a member of the Reserve Components is not eligible to enroll in the advanced course or to participate in the program with this status.

Minor In Military Science Requirements

(15 Credit Hours)

The following courses are required for a Minor in Military Science. In order for a participating student to receive a Minor in Military Science, he or she must register and complete the following courses:

		Credit Hours
MSCI 3131	Advanced Tactics and Applied Leadership I	3
MSCI 3132	Advanced Tactics and Applied Leadership II	3
MSCI 4131	Military Leadership and Management Seminar	3
MSCI 4132	Transition to Lieutenant	3
Military History (3 Credit Hours)		
Select one of the following:		3
HIST 3136	U.S. as a Global Power	
HIST 3230	American Military History (preferred)	
orMSCI 4890	Military Science Independent Study	
HIST 4531	World War I	
HIST 5335	World War II	

Additional Minor requirement

All students participating in the minor program for Military Science must participate in all weekly physical fitness activities, successfully pass the Army Physical Fitness Test (APFT) in accordance with FM 21-20 standards, meet all height and weight requirements in accordance with AR 600-9, participate fully in weekly labs, and successfully complete two weekend field training exercises each semester.

Program Options, Obligation, Financial Assistance, Scholarships and Books, Uniforms and Supplies

Two Year Program Versus The Four Year Program

The ROTC program is designed as a 4-year course of study. However, students who are not eligible for advanced placement and who have not completed the Basic Course program may still become qualified for the advanced program. They must satisfactorily complete a Leader Training Course, four weeks duration, during the summer between their sophomore and junior years. Students attending this Leader Training Course at a regular army post are paid and given a travel allowance from their home to camp and return. Leader Training Course can count for 3 general credit hours. Students who have participated in four years of JROTC or are an Eagle Scout meet the requirements of the Basic Course.

- **Obligation:** Once a student is contracted, he or she will incur an eight year Military Service Obligation (MSO). The cadet may elect to serve his/her MSO either on Active Duty, the National Guard or the Army Reserves. Active duty requires a minimum of four years active duty and four years Inactive Ready Reserve (IRR). The National Guard and Reserves requires eight years drill status (one weekend a month/ two weeks a year) for the entire MSO. All cadets will incur an eight-year military service obligation whether they elect to go active duty, Reserve duty or National Guard.

- **Financial Assistance:** All contracted cadets are paid a subsistence allowance (Stipend) of \$300- \$500 per month based on college standing for up to 10 months per year. This is subject to change yearly.
- **Scholarship Program:** Each year the U.S. Army awards two, three, and four year scholarships to outstanding young men and women contracted in the ROTC program. In most cases, the Army pays the tuition or room and board and required fees incurred by the scholarship student. The scholarship will cover up to \$20,000 per year. Scholarship winners also receive an allowance for books of \$1200 per year. Individuals desiring to compete for two and three year scholarships should apply to the Army Military Science Department at Georgia Southern University. Some students who are enrolled in highly technical academic discipline programs and who qualify for Reserve Officers Training Corps scholarship benefits may be required to take an academic course load that will necessitate more than four academic years of study prior to graduation. It is possible to extend the Army Scholarships benefit to cover this additional period. ROTC students successfully completing the Leadership Development and Assessment Course (LDAC) may compete for civilian sponsored Scholarships awarded during their senior year. National winners receive \$1500 and regional winners receive \$1000. Contact the Georgia Southern University Department of Military Science at (912) 478-0040 for further information.
- **Army Reserve Officer Training Corps Uniform, Books, And Supplies:** Students enrolling in the Army ROTC program will be issued U.S. Army uniforms, most ROTC required books, and supplies by the Military Science Department. Uniforms and equipment must be returned before commissioning or upon disenrollment from the Reserve Officers Training Corps program.

Advisement

Department of Military Science, Military Science Building, (912) 478-5320. Students will complete a CC 104R that will map out their college courses until graduation.

Military Science Minor

Contact

Chair, Department of Military Science
Building 804, Room 1016
(912) 478-5320

Minor Program

		Credit Hours
MSCI 3131	Advanced Tactics and Applied Leadership I	3
MSCI 3132	Advanced Tactics and Applied Leadership II	3
MSCI 4131	Military Leadership and Management Seminar	3
MSCI 4132	Transition to Lieutenant	3
Military History. Select one of the following:		3
HIST 3136	U.S. as a Global Power	
MSCI 4890	Military Science Independent Study (preferred)	
orHIST 3230	American Military History	
HIST 4531	World War I	
HIST 5335	World War II	

Total Credit Hours

15

Additional Minor Requirement

All students participating in the minor program for Military Science must participate in all weekly physical fitness activities, successfully pass the Army Physical Fitness Test (APFT) in accordance with FM 21-20 standards, meet all height and weight requirements in accordance with AR 600-9, participate fully in weekly labs, and successfully complete two weekend field training exercises each semester.

Department of Physics

The mission of the Department of Physics at Georgia Southern University is four-fold. First, to provide its majors with a strong, basic undergraduate physics/astronomy education that will serve them whether they pursue an advanced degree in physics, a professional career in medicine or dentistry, a career in industry or in science education. Second, to provide excellent instruction in introductory physics and astronomy to non-majors. Third, to conduct original research in physics and astronomy that is recognized at regional, national, and international levels. Fourth, to foster an interest in science in the community and the region.

Physics Majors

- Physics B.S.P. (p. 246)
- Physics and Astronomy B.A. (p. 246)

Physics Minor

- Physics (p. 247)

Physics B.S.P.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1113 Pre-Calculus ¹	3
or MATH 1441 Calculus I	
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours) ²	
Carryover from Area A2 (1), if either MATH 1113 OR MATH 1441 taken in Area A2	1
MATH 1441 Calculus I	1-4
MATH 2242 Calculus II	4
MATH 2243 Calculus III	4
PHYS 1113 Physics Lab I	1
PHYS 1114 Physics Lab II	1
PHYS 2211 Principles of Physics I	3
PHYS 2212 Principles of Physics II	3

Additional hours in physics, math, computer science or chemistry

Health and Physical Education Activities (4 Credit Hours)		
HLTH 1520	Healthful Living	2
Physical Education Activities		2
Orientation (2 Credit Hours)		
FYE 1220	First-Year Seminar	2
Specific Requirements (3 Credit Hours)		
MATH 3230	Ordinary Differential Equations	3
Required Physics Courses (33 Credit Hours)		
PHYS 3536	Modern Physics I	3
PHYS 3537	Modern Physics II	3
PHYS 4421	Advanced Physics Lab I	2
PHYS 4422	Advanced Physics Lab II	2
PHYS 5151	Classical Mechanics	5
PHYS 5152	Classical E and M Theory	5
PHYS 5530	Thermal Physics	3
PHYS 5557	Quantum Mechanics	5
Select 5 credit hours from the following Physics Electives:		5
ASTR 3538	Physical Astronomy	
PHYS 3130	Sound Waves and Acoustics	
PHYS 3131	Optics	
PHYS 3149	Methods of Theoretical Physics	
PHYS 3520	Problem Solving in Physics	
PHYS 3558	Introduction to General Relativity	
PHYS 3539	Introduction to Biophysics	
PHYS 3542	Analog Electronics	
PHYS 3543	Digital Electronics	
PHYS 4131	Quantum Optics	
PHYS 4232	Properties of Materials	
PHYS 4332	Principles of Lasers	
Electives (24 Credit Hours)		
Select 24 credit hours of Electives		24
Carry over from Area F, if applicable (3)		
Carryover from Physics Electives, if applicable (3)		
Total Credit Hours		126

¹ While Pre-Calculus (MATH 1113) and Calculus I (MATH 1441) are 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Area F.

² Students must complete Calculus I (MATH 1441), Calculus II (MATH 2242), and Calculus III (MATH 2243)

Other Program Requirements

- No more than 40 credit hours of upper division course work in Physics may count toward the 126 credit hour minimum for graduation.

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649

Physics and Astronomy B.A.

Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

This B.A. degree is designed to prepare students who are seeking Teacher Certification through the Masters of Arts in Teaching program.

This program will be desirable for future teachers interested in broad field science and/or physics certification.

	Credit Hours
Area A1 - Communication Skills (6 Credit Hours)	
Select 6 credit hours from Area A1 of the Core Curriculum	6
Area A2 - Quantitative Skills (3 Credit Hours)	
MATH 1113 Pre-Calculus ¹	3
or MATH 1441 Calculus I	
Area B - Global Engagement (4 Credit Hours)	
Select 4 credit hours from Area B of the Core Curriculum	4
Area C - Humanities, Fine Arts, and Ethics (6 Credit Hours)	
Select 6 credit hours from Area C of the Core Curriculum	6
Area D - Natural Sciences, Mathematics, and Technology (11 Credit Hours)	
Select 11 credit hours from Area D of the Core Curriculum	11
Area E - Social Sciences (12 Credit Hours)	
Select 12 credit hours from Area E of the Core Curriculum	12
Area F - Courses Appropriate to Major (18 Credit Hours) ²	
ASTR 1010 Astronomy of the Solar System	3
ASTR 1020 Stellar and Galactic Astronomy	3
MATH 2242 Calculus II	4
PHYS 1113 Physics Lab I	1
PHYS 1114 Physics Lab II	1
PHYS 2211 Principles of Physics I	3
PHYS 2212 Principles of Physics II	3
Health and Physical Education Activities (4 Credit Hours)	
HLTH 1520 Healthful Living	2
Physical Education Activities	2
Orientation (2 Credit Hours)	
FYE 1220 First-Year Seminar	2
Specific Requirements (10 Credit Hours)	
EDUC 2090 PPB Practicum	1
EDUC 2110 Investigating Critical and Contemporary Issues in Education	3
EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts	3
EDUC 2130 Exploring Learning and Teaching	3
Major Requirements (24 Credit Hours)	
ASTR 4330 Observational Techniques in Astronomy	3
PHYS 3536 Modern Physics I	3
PHYS 3537 Modern Physics II	3
PHYS 4421 Advanced Physics Lab I	2
Select one of the following Teaching Internship Courses:	1
ASTR 3790 Teaching Internship in Astronomy	
PHYS 3790 Teaching Internship in Physics	
Select 12 credit hours from the following Physics Electives:	12
ASTR 3137 The Search for Life in the Universe	
ASTR 4130 Astrophysics	
ASTR 4138 Galactic Astronomy	
PHYS 3130 Sound Waves and Acoustics	
PHYS 3131 Optics	
PHYS 3520 Problem Solving in Physics	
PHYS 3558 Introduction to General Relativity	
PHYS 3542 Analog Electronics	

PHYS 3543 Digital Electronics	
PHYS 5530 Thermal Physics	
Foreign Language (2002 Level)	
Select 0-6 credit hours of Foreign Language	0-6
Minor (15 Credit Hours)	
Select 15 credit hours of Minor	15
Electives (11 Credit Hours)	
Select 5-11 credit hours of Electives	5-11
Carry over from Area A2, if applicable (1)	
Total Credit Hours	126

¹ While Pre-Calculus (MATH 1113) and Calculus I (MATH 1441) are 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Electives.

² Students must complete Calculus I (MATH 1441) and Calculus II (MATH 2242)

Other Program Requirements

- No more than 30 credit hours of upper division course work in Physics may count toward the 126 credit hour minimum for graduation.

Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649

Physics Minor

Contact

Chair, Department of Physics
Math Physics Building, Room 2005
(912) 478-5292

Prerequisite(s)

	Credit Hours
PHYS 1113 Physics Lab I	1
PHYS 1114 Physics Lab II	1
Select one 6-credit hour sequence from the following:	6
PHYS 1111 Introduction to Physics I &PHYS 1112 and Introduction to Physics II	
PHYS 2211 Principles of Physics I &PHYS 2212 and Principles of Physics II	
Total Credit Hours	8

Minor Program

	Credit Hours
Select 15 credit hours from the following Upper Division courses: (must have approval of the physics advisor)	15
ASTR 3137 The Search for Life in the Universe	
ASTR 3538 Physical Astronomy	
ASTR 4130 Astrophysics	
ASTR 4138 Galactic Astronomy	
ASTR 4330 Observational Techniques in Astronomy	
PHYS 3130 Sound Waves and Acoustics	
PHYS 3131 Optics	
PHYS 3149 Methods of Theoretical Physics	
PHYS 3520 Problem Solving in Physics	
PHYS 3536 Modern Physics I &PHYS 3537 and Modern Physics II	

PHYS 3539	Introduction to Biophysics
PHYS 3542	Analog Electronics
PHYS 3543	Digital Electronics
PHYS 3558	Introduction to General Relativity
PHYS 4131	Quantum Optics
PHYS 4232	Properties of Materials
PHYS 4332	Principles of Lasers
PHYS 4421	Advanced Physics Lab I
PHYS 5151	Classical Mechanics
PHYS 5152	Classical E and M Theory
PHYS 5530	Thermal Physics
PHYS 5557	Quantum Mechanics
Total Credit Hours	15

For individuals seeking teacher certification through MAT, the following list of courses is strongly recommended as part of the 15 credit hours requirement.

	Credit Hours	
PHYS 3536	Modern Physics I	3
PHYS 3537	Modern Physics II	3
Total Credit Hours	6	

For further information regarding Certification, please refer to the College of Education (p. 119) section.

Pre-Health Professional Programs

Pre-Medicine, Pre-Dentistry, Pre-Optometry, Pre-Pharmacy, Pre-Physician Assistant and Pre-Veterinary Medicine

Students intending to prepare for admission into a pre-health professional program must select a course of study leading to a Bachelor's Degree in an academic area. Any major may be selected as long as the student is careful to complete courses required by both the professional schools as well as those required for completion of the student's Bachelor Degree program. Students interested in a pre-health professional program must be advised by an academic advisor in their major area, and should also contact the COSM Advising Center (912) 478-0649 for advising on pre-health professional requirements.

Pre-Medical/Pre-Dental Program

There is no major in "Pre-Medicine" or "Pre-Dentistry." Students desiring to go to medical or dental school should pursue courses of study leading to a Bachelor Degree in academic areas chosen according to their interests and aptitudes. Freshman and sophomore pre-med/pre-dent students are advised regarding their pre-med/pre-dent studies by the advisors at the COSM Advisement Center. Students with majors other than Biology, Chemistry, Physics, or Psychology should be advised the COSM Advisement Center as freshman and sophomores and then by Prof. Jim Braselton as juniors in addition to the academic advisor in the chosen major. Students must be careful to complete courses required for acceptance into medical school as well as those courses required for their degrees. The most complete, up-to-date information on the Pre-Medical/Pre-Dental program is available on the web <http://cosm.georgiasouthern.edu/advisement/pre-health-professional-programs/>

Requirement for the Pre-Medical/Pre-Dental Program

Only students with a GPA greater than or equal to 3.0 may transfer in as a Pre-Med/Pre-Dent student. Students at the end of their second regular

semester (not including summer) must have a GPA greater than or equal to 3.0 to remain as a Pre-Med/Pre-Dent student. Students falling below a 3.0 average at the end of their second regular semester or any semester thereafter will revert to their declared major, will be removed from the Pre-Med/Pre-Dent program, and will no longer have access to additional advisement.

Freshman Pre-Medical/Pre-Dental Students

During their first two semesters, in addition to one course appropriate for the chosen major, beginning freshmen should take:

	Credit Hours	
BIOL 2107	Principles of Biology I	3
BIOL 2108	Principles of Biology II	3
CHEM 1145	Principles of Chemistry I	4
CHEM 1146	Principles of Chemistry II	4
	the appropriate math course(s)	

While earning their degree students should take math courses through Calculus I (MATH 1441) or Calculus II (MATH 2242) (preferred). The Pre-Health Professions Review Board also encourages students to take Introduction to Statistics I (STAT 2231) or Applied Statistics (STAT 3130), especially if they are planning to apply to the Georgia Regents University/ Medical College of Georgia.

Medical College Admissions Test (MCAT)

Scores on the MCAT are required by almost all medical schools. Currently, the test is given periodically from January to September. It is recommended that the test be taken in April prior to the time the application is submitted and approximately a year and a half before matriculation at the medical school. In order to be prepared to study for the exam, students planning to take the MCAT in April should complete two years of Chemistry, one year of Physics and at least one year of Biology by that April. Students planning to take the MCAT in August should complete two years of Chemistry, one year of Physics and at least one year of Biology by the end of spring semester preceding that August. These dates normally fall in year three. Students who do not complete the above courses on time should be prepared to have their time of entrance into medical school delayed accordingly. Students are typically better prepared for the MCAT if they elect to take calculus-based Physics rather than the other series of Physics courses. At least one semester of biochemistry (Biochemistry I (CHEM 5541)) and one semester of genetics (Principles of Genetics (BIOL 3130)) is strongly recommended to be better prepared for the MCAT. The attainment of competitive scores on the MCAT requires an extended period of intensive study. Students are advised to obtain appropriate study materials and to study seriously and diligently over a period of several months. They are also advised to take advantage of preparatory courses designed to tutor the student for the MCAT. Depending upon demand, Georgia Southern offers an institutional course of this type through the Division of Continuing Education.

Dental Admissions Test (DAT)

Scores on the DAT are required by almost all dental schools. The test is administered by testing centers and is a computer-based test. It is recommended that the test be taken in May/June to the time the application is submitted and approximately a year and a half before matriculation at the dental school. In order to be prepared to study for the exam, students planning to take the DAT should complete two years of Chemistry and at least one year of Biology by the spring of year three of their college careers. Students who do not complete the above courses on time should be prepared to have their time of entrance into dental school delayed accordingly. At least one semester of biochemistry (Biochemistry I (CHEM 5541)) and one semester of genetics (Principles of Genetics (BIOL 3130)) is strongly recommended to be better prepared for the DAT. The attainment of competitive scores on the DAT requires an extended

period of intensive study. Students are advised to obtain appropriate study materials and to study seriously and diligently over a period of several months. They are also advised to take advantage of preparatory courses designed to tutor the student for the DAT. Depending upon demand, Georgia Southern offers an institutional course of this type through the Division of Continuing Education.

Application Procedures for Medical and Dental Schools

For most schools, deadlines for application are during the fall preceding the year of entry into the school. Early application is recommended. It is the responsibility of the student to secure the proper application materials and to meet all deadlines. Requests for college transcripts to be sent as part of the application should be made sufficiently early in order for official transcripts to arrive before the deadline(s).

The Pre-Health Professional Review Board

Letters of recommendation for Pre-Dental and Pre-Medical students are prepared by the Pre-Health Professional Review Board, as required by most medical/dental schools as part of the primary application. Letters will be written only for those students who have been interviewed by the Board and additional letters of reference will not be written for students by individual members of the Board unless approved by the Chair of the Board. Students desiring letters should contact Prof. Jim Braselton (jbraselton@georgiasouthern.edu) in the Department of Mathematical Sciences, to arrange for an interview with the Board at least 12 weeks in advance during the regular academic calendar year. Interviews normally are held during Spring semester of the calendar year in which the first application is submitted. Competition for admission to the schools is such that favorable letters can be written only for those students who have achieved adequate GPAs and test scores. Pre-Dental students requesting an interview must have at least a 3.2 cumulative GPA and an average score of 17 on each section of the DAT. Pre-Medical students requesting interviews must have at least a 3.4 cumulative GPA and a total of at least 22 points on the MCAT. Because interviews are usually conducted before MCAT or DAT scores are obtained, the Board will interview students who they reasonably believe will perform satisfactorily on the MCAT or DAT. Students who do not meet these requirements and who think that there are extenuating circumstances should make this known, in writing, to Prof. Braselton. Subsequently, the Board will make a decision regarding the eligibility of the student for an interview. Only form letters of reference will be sent from the board for any student who was not interviewed, but who has requested a letter. The above are minimum criteria for consideration for recommendation by the board and do not ensure acceptance into the respective schools.

Our standard Pre-Medicine and Pre-Dentistry curriculum consists of the following courses:

	Credit Hours
BIOL 2107 & 2107L	4
BIOL 2108 & 2108L	4
BIOL 3130	3
Select 12 credit hours of BIOL Electives at 3000 Level or above	12
CHEM 1145	4
CHEM 1146	4
CHEM 3341	4
CHEM 3342	4
CHEM 5541	4
MATH 1112	3
MATH 1441	4

MATH 2242	Calculus II (Recommended)	
Select one of the following:		8
PHYS 2211 & PHYS 1113 & PHYS 2212 & PHYS 1114	Principles of Physics I and Physics Lab I and Principles of Physics II and Physics Lab II (Calculus - based Physics Strongly Recommended)	
PHYS 1111 & PHYS 1113 & PHYS 1112 & PHYS 1114	Introduction to Physics I and Physics Lab I and Introduction to Physics II and Physics Lab II	

Because there will be a very limited number of Biology courses, students not majoring in Biology should consult with their advisor to choose the most appropriate Biology courses.

Pre-Veterinary Medicine

Students interested in pursuing studies leading to the Doctor of Veterinary Medicine (DVM) must select a course of study leading to a Bachelor's Degree in an academic area. This curriculum is designed to qualify students for admission into a College of Veterinary Medicine. An essential component of a student's preparation for veterinary college is practical experience working with animals, preferably gained by working with a practicing veterinarian.

	Credit Hours
Required Pre-Vet Courses (44 Credit Hours)	
BIOL 2107 & 2107L	4
BIOL 2108 & 2108L	4
Select 4 credit hours of BIOL Elective at 3000 Level or above	4
CHEM 1145	4
CHEM 1146	4
CHEM 3341	4
CHEM 3342	4
CHEM 5541	4
MATH 1113	4
Select one of the following:	
PHYS 1111 & PHYS 1113 & PHYS 1112 & PHYS 1114	8
PHYS 2211 & PHYS 1113 & PHYS 2212 & PHYS 1114	8

Highly Recommended Electives (18 Credit Hours)	
BIOL 4240	4
BIOL 5131	3
BIOL 5132	3
BIOL 5241	4
MATH 1441	4
Recommended Electives (23 Credit Hours)	
BIOL 5210	1
BIOL 5230	3
BIOL 5240	4
BIOL 5248	4
BIOL 5341	4

BIOL 5343	Medical-Veterinary Entomology	4
BIOL 5431	Virology	3

Pre-Pharmacy (Two-year / Three-year Transfer Program)

Students interested in Pre-Pharmacy typically do not complete a Bachelor's Degree program at Georgia Southern University, but instead take the prerequisite courses required for admission and then transfer to one of the professional Pharmacy Schools. Georgia Southern University offers a two-year Pre-Pharmacy program designed to complete the entrance requirements of most Pharmacy Schools in two years (although a few schools now mandate 90 credit hours of prerequisite coursework and will require an additional year at Georgia Southern University before becoming eligible to transfer).

Students wanting to complete a degree in pharmacy in the minimum period of time should plan on transferring to a school of pharmacy no later than summer following their sophomore year and should begin the transfer application process after the first year of undergraduate study. Some students, however, apply for admission to pharmacy programs at a later stage, such as following the completion of an undergraduate degree, provided they have met the admission requirements. In either case, an additional four years in pharmacy school results in completion of the Professional Pharm. D. Degree (Note: South University School of Pharmacy offers a year-round program that is completed in three years).

The prerequisite courses commonly required to apply to different Pharmacy program vary, so students should check the website of their desired schools for the most recent admission requirements. However, schools in our region have some consistent science requirements as outlined below:

Common science courses required by regional Pharmacy Schools

		Credit Hours
BIOL 2107 & 2107L	Principles of Biology I and Principles of Biology I Laboratory	4
BIOL 2108 & 2108L	Principles of Biology II and Principles of Biology II Laboratory	4
CHEM 1145 & CHEM 1146	Principles of Chemistry I and Principles of Chemistry II	8
CHEM 3341 & CHEM 3342	Organic Chemistry I and Organic Chemistry II	8
MATH 1112	Trigonometry	3
MATH 1441	Calculus I	4
STAT 2231	Introduction to Statistics I	3

Registration in the Pre-Pharmacy program does not guarantee admission to the professional phases of a school of pharmacy. Enrollment in the professional phase is limited, and the student will be accepted in accord with academic standing, aptitude for career in pharmacy, and PCAT (pharmacy college admission test) scores. The PCAT should be taken at least one year prior to enrollment in pharmacy school. Because enrollment in pharmacy school is competitive, a GPA of 2.5 is required to enter or stay in the Pre-Pharmacy program.

Advising for the Pre-Pharmacy Program will be handled in the COSM Advising Center (CAC). The CAC advising staff will answer questions related to the pre-pharmacy process and also help with choosing a major should the student decide to earn a degree at Georgia Southern University while completing the Pre-Pharmacy requirements.

Pre-Optometry

The requirements for admission into the various optometry schools and colleges are not identical. Contact the Pre-Optometry advisors, Benjamin

Phillips and Lisa Vance in the COSM Advisement Center for the specific requirements of each school. Typically, the requirements include courses in Biology, Calculus, Chemistry, English, Physics, Psychology, and the Social Sciences. The Pre-Optometry course requirements represent a minimum of three academic years of study. However, students are encouraged to obtain a four year degree prior to application for optometry school.

Direct individual inquiries are invited by

The American Optometric Association
Department of Public Affairs
243 N. Lindbergh Blvd.
St. Louis, Missouri 63141
Telephone (314) 991-4100.
Also see website <http://www.opted.org>.

Pre-Physician Assistant

The COSM Advisement Center provides a central point of contact for any student interested in attending PA school. The requirements for admission into the various physician assistant (PA) programs are not identical. Typically, the requirements include courses in Biology, Chemistry, Human Anatomy and Physiology, Psychology, Statistics, and Public Speaking. In addition, most PA programs require a minimum amount of direct patient care experience for admission. Check with a COSM advisor for more information.

Secondary or P-12 Education Certification

For Those Interested in Secondary Education (Grades 6-12) Certification with a BIOLOGY Degree

Students who plan to seek teacher certification after completion of the B.A. or B.S. Biology program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.A. or B.S. Biology requirements are met, no other biology content courses are required. However, students are strongly encouraged to pursue "broad fields" Science certification which includes the areas of biology, chemistry, earth science, and physics. To meet broad fields content requirements, in addition to the biology degree, 15 credit hours in each of TWO additional content areas (Chemistry, Physics, or Earth-Space Science) are required.

	Credit Hours
CHEM - advisor recommended	
PHYS - advisor recommended:	
PHYS 2211	Principles of Physics I
PHYS 2212	Principles of Physics II
PHYS 3536	Modern Physics I
Earth-Space Science - advisor recommended	

The following education courses may also be taken as *electives* while enrolled in your bachelor's program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

	Credit Hours	
ITEC 3430	Instructional Technology for P-12 Teaching Fields	3

READ 3330	Content Literacy	3
SPED 3333	Introduction to Special Education	3

Education Area F “Preprofessional Block” (PPB) courses may also be taken; however the PPB courses will not count toward meeting certification requirements or MAT degree requirements. These courses can provide undergraduate students information and experiences in school settings that will help them make more informed decisions about becoming a teacher. Since the three PPB courses have USG-mandated field requirements, the following guidance should be followed:

- BA/BS/BBA majors can take the complete 9 credit hour PPB block of courses with the required 50 credit hour field experience; **OR**
- BA/BS/BBA majors can take Exploring Learning and Teaching (EDUC 2130) concurrently with PPB Practicum (EDUC 2090) (50 contact credit hours in a school) – total of 3 credit hours. After taking Exploring Learning and Teaching (EDUC 2130), those students can take one or both of the other PPB courses with approximately 10 credit hours of field experience with each course. These courses are:
 - Investigating Critical and Contemporary Issues in Education (EDUC 2110) (3)
 - Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (EDUC 2120) (3)

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.

For Those Interested in Secondary Education (Grades 6-12) Certification with a CHEMISTRY Degree

Students who plan to seek teacher certification after completion of the B.A. or B.S. Chemistry program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.A. or B.S. Chemistry requirements are met, no other chemistry content courses are required. However, students are strongly encouraged to pursue “broad fields” Science certification which includes the areas of biology, chemistry, earth science, and physics. To meet broad fields content requirements, in addition to the chemistry degree, 15 credit hours in each of TWO additional content areas (Biology, Physics, or Earth-Space Science) are required.

	Credit Hours
BIOL - advisor recommended	
PHYS - advisor recommended:	
PHYS 2211 Principles of Physics I	
PHYS 2212 Principles of Physics II	
PHYS 3536 Modern Physics I	
Earth-Space Science - advisor recommended	

The following education courses may also be taken as *electives* while enrolled in your bachelor’s program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

	Credit Hours
ITEC 3430 Instructional Technology for P-12 Teaching Fields	3
READ 3330 Content Literacy	3
SPED 3333 Introduction to Special Education	3

Education Area F “Preprofessional Block” (PPB) courses may also be taken; however the PPB courses will not count toward meeting certification requirements or MAT degree requirements. These courses can provide undergraduate students information and experiences in school settings that will help them make more informed decisions about becoming a teacher. Since the three PPB courses have USG-mandated field requirements, the following guidance should be followed:

- BA/BS/BBA majors can take the complete 9 credit hour PPB block of courses with the required 50 credit hour field experience; **OR**
- BA/BS/BBA majors can take Exploring Learning and Teaching (EDUC 2130) concurrently with PPB Practicum (EDUC 2090) (50 contact credit hours in a school) – total of 3 credit hours. After taking Exploring Learning and Teaching (EDUC 2130), those students can take one or both of the other PPB courses with approximately 10 credit hours of field experience with each course. These courses are:
 - Investigating Critical and Contemporary Issues in Education (EDUC 2110) (3)
 - Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (EDUC 2120) (3)

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.

For Those Interested in Secondary Education (Grades 6-12) Certification with a GEOGRAPHY Degree:

Students who plan to seek teacher certification after completion of the B.A. or B.S. Geography program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.A. or B.S. Geography requirements are met, no other geography content courses are required. However, students are strongly encouraged to pursue certification in more than one social science field to enhance employment opportunity. Plan to complete at least 12 credit hours in one or more of the following fields: Economics, History, and/or Political Science, with advisor guidance in selection. These courses should be completed as part of the minor or electives.

The following education courses may also be taken as *electives* while enrolled in your bachelor’s program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

	Credit Hours
ITEC 3430 Instructional Technology for P-12 Teaching Fields	3
READ 3330 Content Literacy	3
SPED 3333 Introduction to Special Education	3

Education Area F “Preprofessional Block” (PPB) courses may also be taken; however the PPB courses will not count toward meeting certification requirements or MAT degree requirements. These courses can provide undergraduate students information and experiences in school settings that will help them make more informed decisions about becoming a teacher. Since the three PPB courses have USG-mandated field requirements, the following guidance should be followed:

- BA/BS/BBA majors can take the complete 9 credit hour PPB block of courses with the required 50 credit hour field experience; **OR**
- BA/BS/BBA majors can take Exploring Learning and Teaching (EDUC 2130) concurrently with PPB Practicum (EDUC 2090) (50 contact credit hours in a school) – total of 3 credit hours. After taking Exploring

Learning and Teaching (EDUC 2130), those students can take one or both of the other PPB courses with approximately 10 credit hours of field experience with each course. These courses are:

- Investigating Critical and Contemporary Issues in Education (EDUC 2110) (3)
- Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (EDUC 2120) (3)

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.

For Those Interested in Secondary Education (Grades 6-12) Certification with a GEOLOGY Degree

Students who plan to seek teacher certification after completion of the B.A. or B.S. Geology program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. This may be achieved as part of “broad fields” Science certification which includes the areas of biology, chemistry, earth science, or physics. To meet broad fields content requirements, in addition to the geology degree, 15 credit hours in each of TWO additional content areas (Biology, Chemistry, or Physics) are required.

	Credit Hours
BIOL - advisor recommended	
CHEM - advisor recommended	
PHYS - advisor recommended	
PHYS 2211 Principles of Physics I	
PHYS 2212 Principles of Physics II	
PHYS 3536 Modern Physics I	

The following education courses may also be taken as *electives* while enrolled in your bachelor’s program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

		Credit Hours
ITEC 3430	Instructional Technology for P-12 Teaching Fields	3
READ 3330	Content Literacy	3
SPED 3333	Introduction to Special Education	3

Education Area F “Preprofessional Block” (PPB) courses may also be taken; however the PPB courses will not count toward meeting certification requirements or MAT degree requirements. These courses can provide undergraduate students information and experiences in school settings that will help them make more informed decisions about becoming a teacher. Since the three PPB courses have USG-mandated field requirements, the following guidance should be followed:

- BA/BS/BBA majors can take the complete 9 credit hour PPB block of courses with the required 50 credit hour field experience; **OR**
- BA/BS/BBA majors can take Exploring Learning and Teaching (EDUC 2130) concurrently with PPB Practicum (EDUC 2090) (50 contact credit hours in a school) – total of 3 credit hours. After taking Exploring Learning and Teaching (EDUC 2130), those students can take one or both of the other PPB courses with approximately 10 credit hours of field experience with each course. These courses are:
 - Investigating Critical and Contemporary Issues in Education (EDUC 2110) (3)

- Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (EDUC 2120) (3)

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.

For Those Interested in Secondary Education (Grades 6-12) Certification with a MATHEMATICS Degree:

Students who plan to seek teacher certification after completion of the B.S. or B.S.Mat. Mathematics program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. To meet content requirements, the following courses must be completed as part of or in addition to your current program of study.

		Credit Hours
MATH 3130	College Geometry	3
MATH 5136	History of Mathematics	3
MATH 5234	Number Theory	3
STAT 5531	Statistical Methods I	3

The following education courses may also be taken as *electives* while enrolled in your bachelor’s program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

		Credit Hours
ITEC 3430	Instructional Technology for P-12 Teaching Fields	3
READ 3330	Content Literacy	3
SPED 3333	Introduction to Special Education	3

Education Area F “Preprofessional Block” (PPB) courses may also be taken; however the PPB courses will not count toward meeting certification requirements or MAT degree requirements. These courses can provide undergraduate students information and experiences in school settings that will help them make more informed decisions about becoming a teacher. Since the three PPB courses have USG-mandated field requirements, the following guidance should be followed:

- BA/BS/BBA majors can take the complete 9 credit hour PPB block of courses with the required 50 credit hour field experience; **OR**
- BA/BS/BBA majors can take Exploring Learning and Teaching (EDUC 2130) concurrently with PPB Practicum (EDUC 2090) (50 contact credit hours in a school) – total of 3 credit hours. After taking Exploring Learning and Teaching (EDUC 2130), those students can take one or both of the other PPB courses with approximately 10 credit hours of field experience with each course. These courses are:
 - Investigating Critical and Contemporary Issues in Education (EDUC 2110) (3)
 - Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (EDUC 2120) (3)

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.

For Those Interested in Secondary Education (Grades 6-12) Certification with a PHYSICS Degree

Students who plan to seek teacher certification after completion of the B.A. or B.S.P. program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.A. or B.S. Physics requirements are met, no other physics content courses are required. However, students are strongly encouraged to pursue "broad fields" Science certification which includes the areas of biology, chemistry, earth science, and physics. To meet broad fields content requirements, in addition to the physics degree, 15 credit hours in each of TWO additional content areas (Biology, Chemistry, or Earth-Space Science) are required.

	Credit Hours
BIOL - advisor recommended	
CHEM - advisor recommended	
Earth-Space Science - advisor recommended	

The following education courses may also be taken as *electives* while enrolled in your bachelor's program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

		Credit Hours
ITEC 3430	Instructional Technology for P-12 Teaching Fields	3
READ 3330	Content Literacy	3
SPED 3333	Introduction to Special Education	3

Education Area F "Preprofessional Block" (PPB) courses may also be taken; however the PPB courses will not count toward meeting certification requirements or MAT degree requirements. These courses can provide undergraduate students information and experiences in school settings that will help them make more informed decisions about becoming a teacher. Since the three PPB courses have USG-mandated field requirements, the following guidance should be followed:

- BA/BS/BBA majors can take the complete 9 credit hour PPB block of courses with the required 50 credit hour field experience; **OR**
- BA/BS/BBA majors can take Exploring Learning and Teaching (EDUC 2130) concurrently with PPB Practicum (EDUC 2090)(50 contact credit hours in a school) – total of 3 credit hours. After taking Exploring Learning and Teaching (EDUC 2130), those students can take one or both of the other PPB courses with approximately 10 credit hours of field experience with each course. These courses are:
 - Investigating Critical and Contemporary Issues in Education (EDUC 2110) (3)
 - Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (EDUC 2120) (3)

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor's program.

Structure

Department of Biology

In today's world, studies in Biology are becoming increasingly important. Georgia Southern University's Biology program prepares students for careers as professional biologists in a wide variety of fields. Southeast Georgia is a biologically rich and ecologically diverse area that

encompasses coastline, wetlands, woodlands, and cities. Consistent with the mission of the University, the Biology Department seeks to expand horizons through outreach, preserve distinctive cultural and natural legacies, and maintain the integrity of South Georgia's environment.

Department of Chemistry

The Department of Chemistry offers a well-balanced program for the education of its students. To prepare them for their professional careers, the Department is committed to providing quality teaching and research experiences emphasizing critical and independent thought. The curriculum provides strong innovative instruction in the theory and practice of the chemical sciences. It is designed to introduce students to modern laboratory methods and technology using state-of-the-art scientific equipment. The faculty is committed to providing an environment that addresses the individual needs of each student and encourages them to develop their potential through life-long learning and to be responsible members of their profession and community.

Department of Geology and Geography

The Department of Geology and Geography offers a balance of teaching, research, and service to the region served by the University, and beyond. Areas of focus among geology faculty include igneous and metamorphic petrology, paleontology, sedimentology, structural geology, hydrogeology, coastal geology, environmental geology, geoscience education, and natural history of the Coastal Plain. Geography faculty interests include climatology, geomorphology, geospatial analysis, economic geography, health geography, cultural geography, ecohydrology, hazards, and biogeography. Both programs emphasize the application of Geographic Information Science.

James H. Oliver, Jr., Institute for Coastal Plain Science

The Institute for Coastal Plain Science (ICPS) is an interdepartmental organization that provides an identity to an area of exceptional research and teaching strength on campus. Members of the ICPS include faculty and students from several departments including biology, chemistry, geology and geography, civil engineering, and environmental health sciences. It also has three full-time scientists and two support personnel. The mission of the ICPS is to promote, in coordination with public and private partnerships, interdisciplinary research and education directed toward understanding the physical and biological resources occurring below the Fall Line and their sustainable use and management. Membership in the ICPS is open to any researchers with a focus on this geographic region. The ICPS also assists with management of the several natural history collections on campus and is the primary home of the U.S. National Tick Collection.

Department of Mathematical Sciences

The Department of Mathematical Sciences offers programs of study for students interested in mathematics, mathematics education or statistics. The department is dedicated to providing students with excellent instruction that incorporates innovative instructional techniques and technologies. In their roles as teacher-scholars, the faculty maintains consistent and significant productivity, recognized at regional, national, and international levels, in basic research, applications, and pedagogy. The department is strengthened by the extensive service activities of the faculty on campus and in the community as well as through high-profile service to the profession. In addition, the department provides many areas for student involvement, including an active student organization and student competition teams.

Department of Military Science

The Georgia Southern University Military Science Department is charged with managing the Army's Reserve Officer Training Corps (ROTC) program on campus. Army ROTC provides college-trained officers for the U.S. Army, the Army National Guard, and the U.S. Army Reserve. It does this through a combination of college courses in military science and summer training sessions. The Professor of Military Science at Georgia Southern also administers the programs at Armstrong Atlantic State University, Savannah State University and Savannah College of Art and Design.

Department of Physics

The mission of the Department of Physics at Georgia Southern University is four-fold. First, to provide its majors with a strong, basic undergraduate physics/astronomy education that will serve them whether they pursue an advanced degree in physics, a professional career in medicine or dentistry, a career in industry or in science education. Second, to provide excellent instruction in introductory physics and astronomy to non-majors. Third, to conduct original research in physics and astronomy that is recognized at regional, national, and international levels. Fourth, to foster an interest in science in the community and the region.

The University System of Georgia

The University System of Georgia's Board of Regents was created in 1931 as part of a reorganization of Georgia's state government. With this act, public higher education in Georgia was unified for the first time under a single governing and management authority. The Board oversees 30 institutions including: 4 research universities, 4 comprehensive universities, 9 state universities, and 13 state colleges. The University System of Georgia also has oversight of the Georgia Archives and the Georgia Public Library System.

The governor appoints members to the Board, who each serves seven years. Today the Board of Regents is composed of 19 members, five of whom are appointed from the state-at-large, and one from each of the 14 congressional districts. The Board elects a chancellor who serves as its chief executive officer and the chief administrative officer of the University System, but is not a member of the Board. The Chair, the Vice Chair, and other officers of the Board are elected by the members of the Board. The System's programs and services are offered through three major components: Instruction, Public Service/Continuing Education, and Research.

INSTRUCTION consists of programs of study leading toward degrees, ranging from the associate (two-year) level to the doctoral level, and certificates. Instruction is conducted by all institutions. Requirements for admission of students to instructional programs at each institution are determined, pursuant to policies of the Board of Regents, by the institution. The Board establishes minimum academic standards and leaves to each institution the prerogative to establish higher standards. Applications for admission should be addressed in all cases to the institutions.

A core curriculum, consisting of freshman and sophomore years of study for students whose educational goal is a degree beyond the associate level, is in effect at the universities and two-year colleges. This curriculum requires 60 credit hours, including 42 in general education--humanities and fine arts, mathematics and natural sciences, and social sciences--and 18 in the student's chosen major area of study. It facilitates the transfer of freshman and sophomore degree credit hours within the University System.

PUBLIC SERVICE/CONTINUING EDUCATION consists primarily of non-degree activities and special types of college-degree-credit hour courses. Non-degree activities may include short courses, seminars, conferences, lectures, consultative, and advisory services in many areas of interest. Non-degree public service/continuing education is conducted by all institutions. Typical college-degree-credit hour public service/continuing education courses are those offered through extension center programs and teacher education consortia.

RESEARCH encompasses investigations conducted primarily for discovery and application of knowledge. These investigations include clearly-defined projects in some cases, non-programmatic activities in other cases. Research is conducted both on and off campus and explores a variety of matters related to the educational objectives of the institutions and to general societal needs.

The policies of the Board of Regents for the government, management, and control of the University System and the administrative actions of the Chancellor provide autonomy for each institution. The executive head of each institution is the President, whose election is recommended by the Chancellor and approved by the Board.

System Institutions

Research Universities

- Augusta University, Augusta
- Georgia Institute of Technology, Atlanta
- Georgia State University, Atlanta
- University of Georgia, Athens

Comprehensive Universities

- Georgia Southern University, Statesboro
- Kennesaw State University, Kennesaw
- University of West Georgia, Carrollton
- Valdosta State University, Valdosta

State Universities

- Albany State University, Albany
- Armstrong State University, Savannah
- Clayton State University, Morrow
- Columbus State University, Columbus
- Fort Valley State University, Fort Valley
- Georgia College and State University, Milledgeville
- Georgia Southwestern State University, Americus
- Middle Georgia State University, Macon
- Savannah State University, Savannah
- University of North Georgia, Dahlonega

State Colleges

- Abraham Baldwin Agricultural College, Tifton
- Atlanta Metropolitan State College, Atlanta
- Bainbridge State College, Bainbridge
- College of Coastal Georgia, Brunswick
- Dalton State College, Dalton
- Darton State College, Albany
- East Georgia State College, Swainsboro
- Georgia Gwinnett College, Lawrenceville
- Georgia Highlands College, Rome
- Georgia Perimeter College, Decatur
- Gordon State College, Barnesville
- South Georgia State College, Douglas

System Administration

Members of the Board of Regents¹

	District	Term Ends
W. Paul Bowers, Atlanta	(State-at-Large)	2020
James M. Hull, Augusta	(State-at-Large)	2016
Donald M. Leebern, Jr., McDonough	(State-at-Large)	2019
Rogers Wade, Atlanta	(State-at-Large)	2016
Larry Walker, Perry	(State-at-Large)	2016
Don L. Waters, Savannah	(1st District)	2018
Doreen Stiles Poitevint, Bainbridge	(2nd District)	2018
C. Thomas Hopkins, Jr., Griffin	(3rd District)	2017

C. Dean Alford, Conyers	(4th District)	2019
Larry R. Ellis, Atlanta	(5th District)	2017
Kessel Stelling, Jr., Columbus	(6th District)	2022
Richard L. Tucker, Duluth	(7th District)	2019
Rutledge A. Griffin, Jr., Valdosta	(8th District)	2018
Philip A. Wilheit, Sr., Gainesville	(9th District)	2022
Benjamin J. Tarbutton III, Sandersville	(10th District)	2020
Neil L. Pruitt, Jr., Norcross	(11th District)	2017
Lori Durden, Statesboro	(12th District)	2020
Sachin Shailendra, Atlanta	(13th District)	2021
Scott Smith, Ringgold	(14th District)	2020

Officers and Staff Members of the Board of Regents

- Neil L. Pruitt, Jr., Chairman
- Kessel Stelling, Jr., Vice Chairman
- Hank M. Huckaby, Chancellor
- Nels Peterson, Secretary to the Board

¹ For the most recent information, refer to <http://www.usg.edu/regents/members/>.

Course Descriptions

Introduction

This section of the catalog offers an alphabetical listing of undergraduate courses offered at Georgia Southern University, along with the college in which that course is taught. Prerequisites, co-requisites and cross listings are noted at the end of each description.

Core Curriculum

Course titles preceded by a bullet are part of the Core Curriculum -- Areas A1 - E -- of the University System of Georgia. They are transferable within the University System and to most private institutions. Course titles not preceded by a bullet are designed for students who seek a major, minor, or emphasis in a specific program, and may or may not transfer to other institutions. Students should work closely with their advisors in selecting courses each semester, especially if a student is considering transferring or changing majors.

Course Numbering System

In general, the first digit of the course corresponds to the level of the class. (1- Freshman, 2 - Sophomore, 3 - Junior, 4 - Senior, 5 - dual Undergraduate/Graduate.)

The second digit in the course number indicates the course type. (1-5 - Traditional course format/Example: Lecture and Lab, 6 - Seminar, 7 - Internships and Practica, 8 - Independent Study, 9 - Research, 0 - Topics courses)

The third digit indicates the credit hours. (0-4 - Actual number of credit hours, 5-8 - Other 3 credit hour courses, 9 - variable)

The fourth digit indicates the sequence of the course.

A course number followed by a "G" indicates a Graduate course.

A course number followed by an "H" indicates an Honors course.

A course number followed by an "S" indicates a Studies Abroad course.

An ASTR (Astronomy) course followed by an "F" indicates that the course was taken during the Fall semester.

An ASTR (Astronomy) course followed by an "S" indicates that the course was taken during the Spring semester.

College Abbreviations

CHHS	College of Health and Human Sciences
CEIT	Allen E. Paulson College of Engineering and Information Technology
CLASS	College of Liberal Arts and Social Sciences
COBA	College of Business Administration
COE	College of Education
COPH	Giann-Ping Hsu College of Public Health
COSM	College of Science and Mathematics
VPAA	Office of Vice President for Academic Affairs
Interdisciplinary	Courses offered by more than one department and/or college

Course Prefixes

AAST	Africana Studies
ACCT	Accounting
AMST	American Studies
ANTH	Anthropology
ARAB	Arabic
ART	Art
ARTH	Art History
ASTR	Astronomy
BIOL	Biology
BUSA	Business Administration
CENG	Civil Engineering
CHEM	Chemistry
CHFD	Child and Family Development
CHIN	Chinese
CISM	Computer Information Systems
CLAS	College of Liberal Arts and Social Sciences
COED	College of Education
COML	Comparative Literature
COMM	Communication Arts
COMS	Communication Studies
COOP	Cooperative Education
CRJU	Criminal Justice
CSCI	Computer Science
ECED	Early Childhood Education
ECON	Economics
EDSC	Education Science
EDUC	Curriculum
EDUF	Educational Foundations
EENG	Electrical Engineering
ENGL	English
ENGR	Engineering
ESED	Early Childhood-Secondary Education
ESL	English Second Language
EURO	European Union
FACS	Family and Consumer Science
FILM	Film
FINC	Finance
FMAD	Fashion Merchandising/Apparel Design
FORL	Foreign Language
FREN	French
FYE	First-Year Experience
GCM	Graphic Communications Management
GEOG	Geography
GEOL	Geology
GRMN	German
GSU	Georgia Southern University
HIST	History
HLTH	Health
HNRM	Hotel and Restaurant Management
HUMN	Humanities
IDS	Interdisciplinary Studies

INDS	Interior Design
INTS	International Studies
IRSH	Irish Studies
ISCI	Science, Teaching and Learning
IT	Information Technology
ITEC	Instructional Technology Education
JAPN	Japanese
KINS	Kinesiology
LAST	Latin American Studies
LATN	Latin
LEAD	Leadership
LING	Linguistics
LOGT	Logistics/Intermodal Transportation
LSTD	Legal Studies
MATH	Mathematics
MENG	Mechanical Engineering
MGED	Middle Grades Education
MGNT	Management
MKTG	Marketing
MMFP	Multimedia Film & Production
MMJ	Multimedia Journalism
MSCI	Military Science
MSED	Middle Grades and Secondary Education
MUSA	Applied Music
MUSC	Music
MUSE	Music Ensemble
NTFS	Nutrition and Food Science
NURS	Nursing
PHIL	Philosophy
PHYS	Physics
POLS	Political Science
PRCA	Public Relations
PSYC	Psychology
PUBH	Public Health
READ	Reading
RECR	Recreation
REDV	Regional Economic Development
RELS	Religious Studies
SCED	Secondary Education
SMGT	Sport Management
SOCI	Sociology
SPAN	Spanish
SPED	Special Education
STAT	Statistics
SUST	Sustainability
TCET	Civil Engineering Technology
TCGT	General Technology
TCM	Construction
TEET	Electrical Engineering Technology
TENS	Engineering Science
THEA	Theatre
TMAE	Applied Engineering
TMET	Mechanical Engineering Technology
TMFG	Manufacturing Technology
TSEC	Safety and Environmental Technology

UHON	University Honors
WBIT	Web Information Technology
WGST	Women's and Gender Studies
WRIT	Writing
YORU	Yoruba

Course Description Index

AAST Africana Studies

AAST 3030 Selected Topics in Africana Studies

1-4 Credit Hours. 1-4 Lecture Hours. 0 Lab Hours.

Designed to promote interdisciplinary engagement and, or, in individualized specialization so that the student can deepen his or her knowledge of Africa and the African Diaspora.

Cross Listing(s): AAST 3030S, YORU 3030.

AAST 3030S Selected Topics in Africana Studies

1-6 Credit Hours. 1-6 Lecture Hours. 0 Lab Hours.

Designed to promote interdisciplinary engagement and, or, in individualized specialization so that the student can deepen his or her knowledge of Africa and the African Diaspora.

Cross Listing(s): AAST 3030, YORU 3030.

AAST 3130 African American History to 1877

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

African American history from African beginnings to Reconstruction. This is a study of the thought and actions of people of African ancestry from their origins in precolonial Africa to the conclusion of the Civil War and its aftermath.

Cross Listing(s): HIST 3130, YORU 3130.

AAST 3131 African American History Since 1877

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

African American history from Reconstruction to the present.

Cross Listing(s): HIST 3131.

AAST 3230 Introduction to Africa and Its Diaspora

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A general examination of the history, cultures, and societies of peoples of African descent throughout the world, with emphasis on those who live in Africa, the United States, the Caribbean, and Latin America.

AAST 3235 Race and Ethnicity

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is a survey of the major concepts and theories in the study of racial and ethnic relations in the United States. The situations and experiences of various racial and ethnic groups are considered.

Prerequisite(s): A minimum grade of "C" in SOCI 1101.

Cross Listing(s): SOCI 3235.

AAST 3330 Yoruba Culture and Civilization

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduction to Yoruba culture in Nigeria and other west African societies as well as the Diaspora.

Cross Listing(s): YORU 3330.

AAST 3332 African American Theatre

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Investigates the contributions of black playwrights, actors, and directors to American theatre.

Cross Listing(s): THEA 3332.

AAST 3336 Francophone Cultures of Africa and the Caribbean**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five competencies (listening, speaking, reading, writing, and culture) with a focus on an introduction to Africa and the Caribbean. Texts include fables, poems, newspaper articles, and film. Course work includes oral, reading, writing, and grammar activities. Conducted in French.

Prerequisite(s): FREN 2002.**Cross Listing(s):** FREN 3336.**AAST 3435 African Art History****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Surveys the major themes, cultural groups, and art traditions of Africa. Focuses on materials, functions, meaning and the distinctive aesthetic values of cultural objects and their ritual significance in African societies.

Prerequisite(s): A minimum grade of "C" in ARTH 2531 or ARTH 2532.**AAST 3436 African American Art History****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The study of African American art and design from the period of pre-colonial Africa to the contemporary United States. The course investigates the creativity and cultural identity of African Americans and their contributions to the visual culture in America.

Prerequisite(s): A minimum grade of "C" in ARTH 2531 or ARTH 2532.**AAST 3530 History of Africa to 1800****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Traces the development of significant social, economic and political institutions within precolonial Africa.

Cross Listing(s): HIST 3530, INTS 3530.**AAST 3531 History of Africa since 1800****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Traces significant developments in precolonial, colonial and post-colonial African history. These include trade and the origins of the colonial state as well as African encounters with colonialism.

Cross Listing(s): HIST 3531, INTS 3531.**AAST 4133 Gullah and Geechee Language and Culture****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces students to the culture, language, folklore, traditional stories, and creative output of the Gullah and Geechee people in Georgia and South Carolina through readings, lectures, films, and hands-on experiences.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** ANTH 4133, LING 4133.**AAST 4134 The Civil Rights Movement****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course explores the origins, ideologies, strategies and legacy of the modern civil rights movement in the North and the South with special focus on the impact of race, class and gender on civil rights from 1946-1968.

Cross Listing(s): HIST 4134.**AAST 4330 Geography of Africa South of the Sahara****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the physical, cultural, political and economic geography of Africa south of the Sahara Desert. Selected problems or situations of contemporary interest will be incorporated.

Cross Listing(s): GEOG 4330.**AAST 4337 Rhetoric of Social Movements****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the rhetorical significance of selected movements, including labor reform, civil rights and environment protection, emphasizing the analysis of persuasive social movement discourse.

Cross Listing(s): COMS 4337.**AAST 4530 Revelation and Revolution****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores issues of gender, spirituality, and power within the context of African history.

Cross Listing(s): HIST 4530, WGST 4530.**AAST 4532 Destruction of Slavery****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on the end of plantation slavery in the nineteenth century Atlantic World. The geographic concentration and topics covered will vary according to the focus of the instructor.

Cross Listing(s): HIST 4532.**AAST 4630 Seminar in Africana Studies****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The Seminar in Africana Studies must be taken within the 15-hours block required for the minor in Africana Studies. It is a capstone course in which students apply knowledge gained in the classes they have taken in the Africana Studies program through discussion of selected texts, a major research paper, and an oral presentation required of all Africana Studies minors.

Prerequisite(s): AAST 3230 or YORU 3330.**Cross Listing(s):** AAST 4630S.**AAST 4630S Seminar in Africana Studies****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The Seminar in Africana Studies must be taken within the 15-hours block required for the minor in Africana Studies. It is a capstone course in which students apply knowledge gained in the classes they have taken in the Africana Studies program through discussion of selected texts, a major research paper, and an oral presentation required of all Africana Studies minors.

Prerequisite(s): AAST 3230 or YORU 3330.**Cross Listing(s):** AAST 4630.**AAST 4890 Directed Individual Study in Yoruba****1-15 Credit Hours. 1-15 Lecture Hours. 0 Lab Hours.**

Concentrated study of a topic in Yoruba literature, culture, society, thought or language. May be repeated for credit provided a new topic is studied.

Prerequisite(s): YORU 3000.**Cross Listing(s):** YORU 4890.**AAST 5233 The American City****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of American urban development from the colonial period to the present with particular attention paid to migration, architecture, technology, politics, transportation, and urban culture in the late nineteenth and twentieth centuries. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5233, AAST 5233G, HIST 5233G.

ACCT Accounting

ACCT 2030 Survey of Accounting**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the theory and application of accounting concepts used to gather and report economic information to users within and outside of the organization. The course stresses the use of accounting information for decision making within the framework of a free economy. Open to non-BBA students.

Cross Listing(s): ACCT 2030H, ACCT 2030S.**ACCT 2030H Survey of Accounting (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the theory and application of accounting concepts used to gather and report economic information to users within and outside of the organization. The course stresses the use of accounting information for decision making within the framework of a free economy. Open to non-BA students.

Cross Listing(s): ACCT 2030, ACCT 2030S.

ACCT 2030S Survey of Accounting**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the theory and application of accounting concepts used to gather and report economic information to users within and outside of the organization. The course stresses the use of accounting information for decision making within the framework of a free economy. Open to non-BA students.

Cross Listing(s): ACCT 2030, ACCT 2030H.**ACCT 2101 Financial Accounting****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The theory and application of accounting concepts for reporting financial information to outside users. The course stresses the relationship between the rules by which financial statements are prepared and the use of financial statement information for decision making.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 1101, ENGL 1102, BUSA 1105, CISM 2530, MATH 1441 or MATH 1232.**Cross Listing(s):** ACCT 2101H, ACCT 2101S.**ACCT 2101H Financial Accounting****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The theory and application of accounting concepts for reporting financial information to outside users. The course stresses the relationship between the rules by which financial statements are prepared and the use of financial statement information for decision making.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 1101, ENGL 1102, BUSA 1105, CISM 2530, MATH 1441 or MATH 1232.**Cross Listing(s):** ACCT 2101, ACCT 2101S.**ACCT 2101S Financial Accounting****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The theory and application of accounting concepts for reporting financial information to outside users. The course stresses the relationship between the rules by which financial statements are prepared and the use of financial statement information for decision making.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 1101, ENGL 1102, BUSA 1105, CISM 2530, MATH 1441 or MATH 1232.**Cross Listing(s):** ACCT 2101H, ACCT 2101.**ACCT 2102 Managerial Accounting****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The theory and application of managerial accounting concepts. The course stresses the use of accounting information for decision making and the role of managerial accounting in a business environment.

Prerequisite(s): A minimum grade of "C" in all of the following: ACCT 2101, CISM 2530, ENGL 1102, MATH 1232 or MATH 1441, ENGL 1101 or WRIT 1101.**Cross Listing(s):** ACCT 2102H.**ACCT 2102H Managerial Accounting****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The theory and application of managerial accounting concepts. The course stresses the use of accounting information for decision making and the role of managerial accounting in a business environment.

Prerequisite(s): A minimum grade of "C" in all of the following: ACCT 2101, CISM 2530, ENGL 1102, MATH 1232 or MATH 1441, ENGL 1101 or WRIT 1101.**Cross Listing(s):** ACCT 2102.**ACCT 3131 Intermediate Accounting I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The conceptual framework behind financial accounting, reporting and current practice in the preparation of financial statements including the income statement and balance sheet is the focus of this course. This includes accounting for changes and errors in financial reporting, income recognition, financial accounting disclosure, and analysis of financial statements through percentage and ratio analysis. Recent developments at the FASB, SEC and IASB are reviewed as an essential part of this course and students should be prepared to critically examine prospective financial accounting standards. The course stresses problem solving, critical thinking and research skills.

Prerequisite(s): A minimum grade of "C" in all of the following: ACCT 2101, ACCT 2102, CISM 2530, MATH 1232 or MATH 1441, ENGL 1101 or WRIT 1101 and ENGL 1102.**Cross Listing(s):** ACCT 3131H.**ACCT 3131H Intermediate Accounting I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The conceptual framework behind financial accounting, reporting and current practice in the preparation of financial statements including the income statement and balance sheet is the focus of this course. This includes accounting for changes and errors in financial reporting, income recognition, financial accounting disclosure, and analysis of financial statements through percentage and ratio analysis. Recent developments at the FASB, SEC and IASB are reviewed as an essential part of this course and students should be prepared to critically examine prospective financial accounting standards. The course stresses problem solving, critical thinking and research skills.

Prerequisite(s): A minimum grade of "C" in all of the following: ACCT 2101, ACCT 2102, CISM 2530, MATH 1232 or MATH 1441, ENGL 1101 or WRIT 1101 and ENGL 1102.**Cross Listing(s):** ACCT 3131.**ACCT 3132 Intermediate Accounting II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is a continuation of ACCT 3131. This course focuses on the accounting treatment for assets and liabilities including cash; current receivables; inventories; property, plant and equipment; intangible assets; current liabilities and contingencies; and long-term liabilities and receivables. The financial statements of several public companies are reviewed and a detailed analysis of these statements is an essential part of this course.

Prerequisite(s): A minimum grade of "C" in ACCT 3131.**ACCT 3231 Managerial Accounting II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Preparation and analysis of information to assist management in decision making, learning, planning, and controlling business activities. The use of management accounting information for costing products and services, budgeting, pricing and product mix decisions, and evaluating operating performance are emphasized.

Prerequisite(s): A minimum grade of "C" in ACCT 2102, CISM 2530, ENGL 1102, MATH 1232 or MATH 1441, ENGL 1101 or WRIT 1101.**ACCT 3330 Income Tax****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the basic concepts of federal income tax with a focus on taxation of individuals.

Prerequisite(s): A minimum grade of "C" in ACCT 3131.**ACCT 3530 Tax Aspects of Business Decisions****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to basic tax, business, and legal concepts instrumental in decreasing federal taxes. The course stresses problem solving, critical thinking, and application of skills necessary to reduce taxes. Open to either non-accounting BBA or Non-BBA students. Will not substitute for ACCT 3330.

Prerequisite(s): A minimum grade of "C" in ACCT 2101, ACCT 2102 or ACCT 2030.

ACCT 4030 Special Topics in Accounting**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that allows students to pursue further study in a specific accounting topic at the frontier of an area of research or a contemporary topic related to current real-world events.

Cross Listing(s): ACCT 4030S.**ACCT 4030S Special Topics in Accounting****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that allows students to pursue further study in a specific accounting topic at the frontier of an area of research or a contemporary topic related to current real-world events.

Cross Listing(s): ACCT 4030.**ACCT 4120 International Accounting****2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Develops the background to understand international accounting issues and business operations in a global environment. The topics relate to accounting personnel and executives in multinational corporations and to individuals involved in exports, services, or capital transactions at an international level.

Prerequisite(s): ACCT 3132.**ACCT 4130 Accounting Information Systems****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to how accounting activities are implemented and integrated in manual and computer-based accounting information systems. Topics include AIS components, transaction cycles, system development, internal control, the relationship between AIS design and the audit process, and the effects of technology. The course stresses problem solving, critical thinking, and computer application skills.

Prerequisite(s): A minimum grade of "C" in ACCT 3131.**ACCT 4131 International Accounting****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examination of accounting issues and business operations in a global environment. Topics include foreign market currency systems, inflation and currency translation methodology, and international auditing and taxation issues impacting multinational corporations and individuals involved in exports, services, or capital transactions at an international level.

Prerequisite(s): A minimum grade of "C" in ACCT 3132.**ACCT 4133 Intermediate Accounting III****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The capstone of the intermediate accounting sequence, this course is a continuation of ACCT 3132. Advanced accounting topics including investments, stockholders, equity, accounting for income taxes, accounting for pensions and other post-retirement benefits, accounting for leases, and the statement of cash flows are the basis for this course.

Prerequisite(s): A minimum grade of "C" in ACCT 3132.**ACCT 4430 Auditing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Develops the background to understand the auditing process and judgments made by auditors. Topics include external, internal and governmental auditing.

Prerequisite(s): A minimum grade of "C" in ACCT 3132 and prior or concurrent enrollment in ACCT 4130 with a minimum grade of "C".**Cross Listing(s):** ACCT 4430H.**ACCT 4430H Auditing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Develops the background to understand the auditing process and judgments made by auditors. Topics include external, internal and governmental auditing.

Prerequisite(s): A minimum grade of "C" in ACCT 3132 and prior or concurrent enrollment in ACCT 4130 with a minimum grade of "C".**Cross Listing(s):** ACCT 4430.**ACCT 4530 Governmental and Institutional Accounting****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to accounting and financial reporting for state and local governments and not-for-profit entities. Financial management and accountability considerations particular to government and not-for-profit organizations are emphasized.

Prerequisite(s): A minimum grade of "C" in ACCT 3131.**ACCT 4631 Macro Fraud Examination****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course takes a macro look at fraud by examining the pervasiveness of and the causes of fraud and white-collar crime in our society. Other topics to be explored include financial crime statutes, evidence gathering and admissibility, types and elements of fraud, general investigative methods, and report writing.

Prerequisite(s): A minimum grade of "C" in ACCT 2102 or ACCT 2030.**ACCT 4632 Micro Fraud Examination****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course takes a micro look at fraud by examining about 40 of the most common fraud schemes including how they work and how they can be effectively detected, investigated, and prevented.

Prerequisite(s): A minimum grade of "C" in ACCT 4631.**ACCT 4633 Forensic Interviews and Interrogation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the distinctions between interviews and interrogations and how each can be used in resolving criminal or civil allegations. Other topics to be explored include the verbal and nonverbal cues indicating truth or deception, preparation of interview memoranda, and obtaining and preparing legally-admissible admission statements.

Prerequisite(s): 45 semester hours of credit at registration.**Cross Listing(s):** LSTD 4633.**ACCT 4790 Internship in Accounting****3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A supervised work-study program in selected business and accounting firms throughout the southeast. Any student enrolled in the internship program will be required to work for one full semester.

ACCT 4830 Special Problems in Accounting**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A customized course that is under the direction of a faculty sponsor. The course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with faculty sponsor.

Cross Listing(s): ACCT 4830S.**ACCT 4830S Special Problems in Accounting****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A customized course that is under the direction of a faculty sponsor. The course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with faculty sponsor.

Cross Listing(s): ACCT 4830.**ACCT 4890 Directed Study in Accounting****0-3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.**

Designed for independent study and research in selected areas of accounting under faculty supervision.

Cross Listing(s): ACCT 4890S.**ACCT 4890S Directed Study in Accounting****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Designed for independent study and research in selected areas of accounting under faculty supervision.

Cross Listing(s): ACCT 4890.

ACCT 5232 Managerial Accounting III
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Continues the study of management accounting by focusing on current topics in the areas of 1) controllership, 2) applications and implications of modern costing and management accounting techniques, including advanced costing techniques, performance measurement, and process analysis, and 3) the legal, corporate and professional responsibilities of accounting departments. Specific topics may vary from year to year. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in ACCT 3231.

Cross Listing(s): ACCT 5232G.

ACCT 5330 Taxation of Corporations and Partnerships
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of the laws involving the formation, operation, and liquidation of corporations, S corporations, and partnerships.

Prerequisite(s): A minimum grade of "C" in ACCT 3330.

AMST American Studies

AMST 4890 Seminar in American Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**AMST 5232 Work, Family and Community**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

ANTH Anthropology

ANTH 1102 Introduction to Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The comparative study of humankind draws materials from the widest possible range of peoples, cultures, and time periods to determine and explain similarities and differences among peoples of the world. This course brings the perspectives of all of the sub-fields of anthropology to the study of humanity: cultural anthropology, archeology, linguistics, and biological anthropology.

Cross Listing(s): ANTH 1102H, ANTH 1102S.

ANTH 1102H Introduction to Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The comparative study of humankind draws materials from the widest possible range of peoples, cultures, and time periods to determine and explain similarities and differences among peoples of the world. This course brings the perspectives of all of the sub-fields of anthropology to the study of humanity: cultural anthropology, archeology, linguistics, and biological anthropology.

Cross Listing(s): ANTH 1102, ANTH 1102S.

ANTH 1102S Introduction to Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The comparative study of humankind draws materials from the widest possible range of peoples, cultures, and time periods to determine and explain similarities and differences among peoples of the world. This course brings the perspectives of all of the sub-fields of anthropology to the study of humanity: cultural anthropology, archeology, linguistics, and biological anthropology.

Cross Listing(s): ANTH 1102H, ANTH 1102.

ANTH 2130 Anthropological Inquiry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed to give students an introduction to the profession of anthropology. Students will focus on questions, such as: How do anthropologists investigate culture? How do we know what we know? How do students become an anthropologist and what is involved?

Prerequisite(s): Minimum grade of "C" in ANTH 1102.

ANTH 2131 Biological Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Examines social life and physical diversity in the context of hominid evolution. Key areas of study include the fossil record, basic genetics, primatology, human variation, and the evolution of communication.

Prerequisite(s): A minimum grade of "C" in ANTH 1102.

Cross Listing(s): ANTH 3531.

ANTH 3091 Selected Topics Anthropology
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Various topics. May be dual numbered.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

ANTH 3091S Selected Topics Anthropology
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Various topics. May be dual numbered.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

ANTH 3131 World Archeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to the archeology of the Old and New Worlds. This course will examine significant cultural developments from an archeological perspective. A particular focus will be on the development of farming and complex societies.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

ANTH 3132 North American Archeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is an introductory course on the archeology of North America. The course concentrates on the prehistory and protohistory of Native Americans as well as introducing students to the history of North American archeology.

Prerequisite(s): A minimum grade of "C" in ANTH 1102 or permission of instructor.

ANTH 3133 Southeastern Archeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

In this course, students will learn about the prehistoric cultures of the Southeastern U.S., including their patterns of subsistence, economy, social and political organization, art and architecture. The relationship between culture and environment in producing culture change is emphasized.

Prerequisite(s): A minimum grade of "C" in ANTH 1102 or permission of instructor.

ANTH 3135 Georgia Archeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course provides students with a basic background in archeology specifically centered on the state of Georgia. It examines the archeological record from earliest times through the antebellum period in an attempt to place Georgia in the larger archeological setting of the southeastern United States.

Prerequisite(s): A minimum grade of "C" in ANTH 1102 or permission of instructor.

ANTH 3136 Historical Archeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an introduction to the field designed to provide a background in basic research methods in historical archeology and ethnohistory. Emphasis will be placed on regional studies of the southeastern United States.

Prerequisite(s): A minimum grade of "C" in ANTH 1102.

ANTH 3331 Cultural Anthropology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An exploration of the nature, structure, and dynamics of human culture systems through the examination of a variety of cultures, including our own, from around the world. It will provide the student with a better understanding and tolerance of cultural differences and of how and why people, including ourselves, live and act as they do.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

ANTH 3332 European Cultures**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the differences and similarities among European peoples and the effects of social, political, and economic changes on their cultures from an anthropological perspective. It also examines the principal anthropological methods and theories used in the study of European culture systems.

Prerequisite(s): A minimum grade of "C" in ANTH 1102 or permission of instructor.

ANTH 3333 North American Indians**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course emphasizes the study of the lifeways of the Native North Americans from the time of European contact through the present. It focuses on understanding the nature and variety of traditional Native American cultures, and on the changes they have undergone.

Prerequisite(s): A minimum grade of "C" in ANTH 1102 or permission of instructor.

ANTH 3334 Southeastern Indians**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the study of the lifeways of the native peoples of the Southeastern United States from the late prehistoric period to the present. Their patterns of family life, economy, politics, religion, and ceremony are examined to understand their cultures, appreciate their accomplishments, and obtain insights into the nature of human cultural behavior.

Prerequisite(s): A minimum grade of "C" in ANTH 1102 or permission of instructor.

ANTH 3337 Language, Power, Politics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An in-depth investigation of the role of language in national and international power structures. Comparative evaluation of language in social organization of politics, economic policy and law as aggregated by race, culture, ethnicity, class, group ideology, and gender. Emphasis on social policy management and minority/linguistic rights.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): LING 3337, POLS 3337.

ANTH 3431 Linguistic Anthropology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces students to the anthropological study of language including the structural and cultural aspects of language. Students will learn to analyze the intersections between language, culture and world view as well as the basic methods used by anthropologists for collecting linguistic data in unwritten languages.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

ANTH 3531H Biol Anthropology (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the interaction of biological and cultural forces in shaping human behavior and physical diversity. Key areas of study include human evolution, primatology and the physical diversity of modern populations.

ANTH 4133 Gullah and Geechee Language and Culture**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces students to the culture, language, folklore, traditional stories, and creative output of the Gullah and Geechee people in Georgia and South Carolina through readings, lectures, films, and hands-on experiences.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): AAST 4133, LING 4133.

ANTH 4231 Methods and Theory in Archeology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examination and application of current topics in archeology relating to excavation strategy and interpretation. Analysis of various theoretical approaches as well as field techniques.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

Cross Listing(s): 4231S.

ANTH 4231S Methods and Theory in Archeology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examination and application of current topics in archeology relating to excavation strategy and interpretation. Analysis of various theoretical approaches as well as field techniques.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

Cross Listing(s): ANTH 4231.

ANTH 4232 Archeology Field Session**3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

On-site participation in the excavation of an archeological site including training in the field and laboratory techniques involved in excavation. Experience in excavation, analysis, recording, and interpretation of archeological materials is provided.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

Cross Listing(s): ANTH 4232S.

ANTH 4232S Archeology Field Session**3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

On-site participation in the excavation of an archeological site including training in the field and laboratory techniques involved in excavation. Experience in excavation, analysis, recording, and interpretation of archeological materials is provided.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

Cross Listing(s): ANTH 4232.

ANTH 4234 Cherokee Archaeology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

In this course, students will study the long trajectory of Cherokees in the southeastern United States, well before Europeans arrived in the region. The course examines many different aspects of Cherokee culture, with a focus on archaeology and material culture. Students will study the history of the forced removal to Oklahoma, and finish with Cherokee life in the 20th century. The course also incorporates primary and secondary documents, as well as films, artwork, and fiction.

ANTH 4235 Advanced Archeological Analysis**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An advanced course in the analysis of archeological sites and materials. In-depth examination of certain types of archeological materials. Students also learn about the conservation of archeological materials.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

ANTH 4262 Archeology Field Session**6 Credit Hours. 0 Lecture Hours. 12 Lab Hours.**

On-site participation in the excavation of an archeological site including training in the field and laboratory techniques involved in excavation. Experience in excavation, analysis, recording, and interpretation of archeological materials is provided. No more than 9 total hours are allowed in any combination of ANTH 4232, ANTH 4262, ANTH 4292.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

ANTH 4292 Archeology Field Session**9 Credit Hours. 0 Lecture Hours. 18 Lab Hours.**

On-site participation in the excavation of an archeological site including training in the field and laboratory techniques involved in excavation. Experience in excavation, analysis, recording, and interpretation of archeological materials is provided. No more than 9 total hours are allowed in any combination of ANTH 4232, ANTH 4262, ANTH 4292.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

ANTH 4331 Anthropology and Human Problems**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the applications of anthropology in coping with a variety of problems among diverse peoples of the world. Issues include intercultural health care, rural to urban migration, and international development. The history, methods, and ethics of practical or applied anthropology are examined, as well as career opportunities.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

ANTH 4332 Gender and Anthropology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the biocultural and multi-cultural perspectives of gender provided by anthropology. Theories and case examples of gender studies from selected cultures will be examined using insights from physical anthropology, archeology, cultural anthropology, and linguistics.

Prerequisite(s): A minimum grade of "C" in ANTH 1102 or permission of instructor.

ANTH 4334 Ethnographic Methods**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the study of the research methods used by cultural anthropologists to gather and analyze data in order to describe and explain how people live and why they live that way. It emphasizes qualitative techniques such as interviewing and participant observation.

Prerequisite(s): A minimum grade of "C" in ANTH 1102 or permission of instructor.

ANTH 4432 Language and Culture**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

In this advanced anthropology course, students will learn the theories and methods related to linguistic anthropology. Topics covered include the Sapir-Whorf Hypothesis, ethnoscience, language socialization, the ethnography of speaking, ethnolinguistic methods, linguistic and cultural discourse analysis and other methods for conducting language and culture research.

Prerequisite(s): Minimum grade of "C" and prior or concurrent enrollment in ANTH 1102.

ANTH 4433 Anthropology of Language and Gender**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the cross-cultural use of language as a central aspect in the construction, negotiation and performance of gender, and will provide students with an understanding of the complexities of language and gender from an anthropological perspective.

Prerequisite(s): A minimum grade of "C" in all of the following: ANTH 1102 and prior or concurrent enrollment in ANTH 3431 or permission of instructor.

ANTH 4630 Capstone Seminar in Anthropology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will review and synthesize the concepts, theories, methods and ethics of archeology, linguistic anthropology, cultural anthropology, and biological anthropology. Applications of anthropological knowledge and skills, and career options, will be examined.

Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in ANTH 3331, ANTH 3131, ANTH 2131, ANTH 3531, and ANTH 3431.

ANTH 4790 Internship in Anthropology**3-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

In this course, students complete a supervised internship in a professional setting relevant to anthropology. They are guided by a faculty mentor in applying anthropological knowledge, theory, methods and ethics in the work setting. Students learn and practice skills needed in the specific setting as well as the professional norms of the organization. They acquire experience and information to better assess career and/or educational opportunities grounded in anthropology.

Prerequisite(s): Minimum grade of "B" in ANTH 2130 and ANTH 3331.

ANTH 4890 Directed Individual Study**1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Independent study under faculty supervision.

Prerequisite(s): Departmental approval required.

ANTH 4890S Directed Individual Study**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Independent study under faculty supervision.

Prerequisite(s): Departmental approval required.

ANTH 5091 Selected Topics in Anthropology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Various topics. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102.

Cross Listing(s): ANTH 5091G, ANTH 5091S.

ANTH 5091S Selected Topics in Anthropology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Various topics.

Cross Listing(s): ANTH 5091, ANTH 5091G.

ANTH 5135 Cultural Resource Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Cultural Resource Management (CRM) deals with the research, conservation, and management of cultural resources within a regulatory framework. Most archaeologists will spend some or all of their careers working on CRM projects in the private sector or for a government agency. This course will provide an overview of the scope and practice of CRM work by archaeologists. Graduate students will be given extra assignments to be determined by the instructor which undergraduates are not required to do.

Prerequisite(s): A minimum grade of "C" in ANTH 1102.

Cross Listing(s): ANTH 5135.

ANTH 5330 History of English Language**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the English language from linguistic, social, and historical perspectives. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): ANTH 5330G, LING 5330, LING 5330G, WRIT 5330, WRIT 5330G.

ANTH 5530 Sociolinguistics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The principles and methods used to study language as a sociocultural phenomenon. These are examined both from the linguistic viewpoint and the social scientific viewpoint. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): Anthropology majors must have a minimum grade of "C" in ANTH 1102 or SOCI 1101.

Cross Listing(s): ANTH 5530G, LING 5530, LING 5530G, WRIT 5530, WRIT 5530G.

ARAB Arabic

ARAB 1001 Elementary Arabic I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

For students who have never studied Arabic. Focus on basic communication skills (understanding, speaking, reading, and writing Arabic) and cultural understanding. Includes laboratory program.

Cross Listing(s): ARAB 1001S.

ARAB 1001S Elementary Arabic I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

For students who have never studied Arabic. Focus on basic communication skills (understanding, speaking, reading, and writing Arabic) and cultural understanding. Includes laboratory program.

Cross Listing(s): ARAB 1001.

ARAB 1002 Elementary Arabic II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued focus on basic communication skills (understanding, speaking, reading, and writing Arabic) and cultural understanding, with increased emphasis on active use of the language. Includes laboratory program.

Prerequisite(s): A minimum grade of "C" in ARAB 1001.

Cross Listing(s): ARAB 1002S.

ARAB 1002S Elementary Arabic II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued focus on basic communication skills (understanding, speaking, reading, and writing Arabic) and cultural understanding, with increased emphasis on active use of the language. Includes laboratory program.

Prerequisite(s): A minimum grade of "C" in ARAB 1001.

Cross Listing(s): ARAB 1002.

ARAB 2001 Intermediate Arabic I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Building upon communication skills (understanding, speaking, reading, and writing Arabic) and cultural understanding, developed at the elementary level.

Prerequisite(s): A minimum grade of "C" in ARAB 1002.

Cross Listing(s): ARAB 2001S.

ARAB 2001S Intermediate Arabic I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Building upon communication skills (understanding, speaking, reading, and writing Arabic) and cultural understanding, developed at the elementary level.

Prerequisite(s): A minimum grade of "C" in ARAB 1002.

Cross Listing(s): ARAB 2001.

ARAB 2002 Intermediate Arabic II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued focus on communication skills and cultural understanding.

Prerequisite(s): A minimum grade of "C" in ARAB 2001.

Cross Listing(s): ARAB 2002S.

ARAB 2002S Intermediate Arabic II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued focus on communication skills and cultural understanding.

Prerequisite(s): A minimum grade of "C" in ARAB 2001.

Cross Listing(s): ARAB 2002.

ARAB 3030 Selected Topics in Arabic**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Study of a topic in Arabic literature, culture, society, thought or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in ARAB 2002.

Cross Listing(s): ARAB 3030S.

ARAB 3030S Selected Topics in Arabic**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Study of a topic in Arabic literature, culture, society, thought or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in ARAB 2002.

Cross Listing(s): ARAB 3030.

ARAB 3185S Studies Abroad: Speaking I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is a course in oral communications in Arabic using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in ARAB 2002.

ARAB 3385S Studies Abroad: Writing I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is a course in written communications in Arabic using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in ARAB 2002.

ARAB 4185S Studies Abroad: Speaking II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is a course in oral communications in Arabic using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in ARAB 2002.

ARAB 4385S Studies Abroad: Writing II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is a course in written communications in Arabic language using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in ARAB 2002.

ART

ART 1000 Art in Life**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A general introduction to art and aesthetics and their role in human life and culture. Includes discussion and analysis of architecture, sculpture, painting, ceramics, drawing, printmaking, photography, design, and other art forms from various historical periods and world cultures.

Cross Listing(s): ART 1000S.

ART 1000S Art in Life**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A general introduction to art and aesthetics and their role in human life and culture. Includes discussion and analysis of architecture, sculpture, painting, ceramics, drawing, printmaking, photography, design, and other art forms from various historical periods and world cultures.

Cross Listing(s): ART 1000.

ART 1010 Drawing I**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

An introduction to the basic materials and methods of drawing. Students will develop skills in direct observations, composition, and techniques using still-life and natural forms.

Cross Listing(s): ART 1010S.

ART 1010S Drawing I**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

An introduction to the basic materials and methods of drawing. Students will develop skills in direct observations, composition, and techniques using still-life and natural forms.

Cross Listing(s): ART 1010.**ART 1011 Drawing II****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Through direct observation and experimentation the student is led to develop a personal approach to expression. The figure, landscape and still-life are examined in a variety of materials.

Prerequisite(s): ART 1010.**Cross Listing(s):** ART 1011S.**ART 1011S Drawing II****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Through direct observation and experimentation the student is led to develop a personal approach to expression. The figure, landscape and still-life are examined in a variety of materials.

Cross Listing(s): ART 1011.**ART 1020 Two Dimensional Design****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Emphasizes two-dimensional design through analysis of line, texture, color, size, shape, and mass. Individual experiences with a variety of media.

ART 1030 Three Dimensional Design**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Uses lectures, demonstrations, discussions, and hands on experiences to introduce students to a variety of basic materials, techniques, and general concepts related to design within the contexts of 3-D form and space.

ART 1536 Animation I**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course is an introduction to animation. Students will cover concepts in 2D, stop motion, and sound. Course projects explore character development, storytelling and dialogue.

ART 2000 Advanced Placement Studio**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course is designed to award Advance Placement credits to High School students' portfolio scoring 4 and above in drawing 2D-Design and 3D Design. Credits will be given upon the completion of a portfolio review. Requires departmental permission.

ART 2135 Painting: Introduction**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course is an introduction to painting through a variety of studio experiences. This course is designed to familiarize students with skills necessary for creating a painting. Emphasis is placed on technical competence using paint media, mixing color, mixing color values, and composition. Also stressed are concepts such as symbolic use of color, marks and form to increase expressionistic content within a work of art. Direct observation is utilized.

Cross Listing(s): ART 2135S.**ART 2135S Painting: Introduction****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course is an introduction to painting through a variety of studio experiences. This course is designed to familiarize students with skills necessary for creating a painting. Emphasis is placed on technical competence using paint media, mixing color, mixing color values, and composition. Also stressed are concepts such as symbolic use of color, marks and form to increase expressionistic content within a work of art. Direct observation is utilized.

Cross Listing(s): ART 2135.**ART 2230 Ceramics: Introduction****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

In this course, students are introduced to clay and the various forming techniques, including pinching, coil construction, slab building, architectural relief, wheel throwing, and firing. Students will learn technical, conceptual, research and design skills, as well as professional skills.

ART 2233 Computer Graphics**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This is an introductory overview of computer-based imaging. Students will create and manipulate digital images.

Prerequisite(s): A minimum grade of "C" in ART 1010, ART 1020.**ART 2235 Digital Dimensions****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course involves focused study of using computers and computer-controlled devices to create visualizations, patterns, and 3-Dimensional forms. 3-Dimensional modeling software will be used to design and produce actual objects through peripheral machines such as laser scanners, CNC routers, CNC plasma cutting, and powder-based rapid prototyping. Additionally, the course introduces a broad range of software and creation techniques currently used in the advertisement and motion picture industries, and the fields of industrial, automobile, architecture, furniture, and graphic design.

ART 2236 Small Metals Design: Fundamentals**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course introduces students to tools, materials, and techniques of small metal design. Students will learn technical, conceptual, research, design, and professional skills.

ART 2330 Typography I**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Introduction to the basic foundations of typographic design. Creative solutions to typographical design program will be explored, through the application of the practical and technical aspects of typography.

Prerequisite(s): A minimum grade of "C" in ART 1020, ART 1010, ART 1011, ART 1030, ARTH 2531, ARTH 2532.**Cross Listing(s):** ART 2331.**ART 2331 Visual Thinking in Graphic Design****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

A general introduction to graphic design. The focus of this course will be on students' development of their creativity and skills at effective visual communications, while also learning about general concepts and issues that apply to the field of graphic design.

Prerequisite(s): A minimum grade of "C" in ART 1020, ART 1010, ART 1011, ART 1030, ARTH 2531, ARTH 2532, GCM 1321, GCM 1411.**Cross Listing(s):** ART 2330.**ART 2331H Visual Thinking in Graphic Design****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

A general introduction to graphic design. The focus of this course will be on students' development of their creativity and skills at effective visual communications, while also learning about general concepts and issues that apply to the field of graphic design.

Prerequisite(s): A minimum grade of "C" in ART 1010, ART 1020, ART 1011, ART 1030, ARTH 2531, ARTH 2532.**Cross Listing(s):** ART 2331.**ART 2335 Photography/Digital Imaging: Introduction****3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

This is a studio course that explores fundamental techniques and applications of the photographic medium within the context of art. Students learn to use the digital camera and develop basic Photoshop skills for image enhancement. The course emphasizes the development of critical thinking skills and personal creative self-expression. Students are critiqued on the basis of technical proficiency, aesthetic accomplishment, and conceptual development.

ART 2430 Print, Paper, Book Arts: Introduction
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.

This course is an overview of all printing processes including relief, intaglio, serigraphy, and lithography, as well as, an introduction to eastern and western papermaking and bookbinding structures. Conceptual emphasis encourages growth of student's personal content and development as an artist within parameters of assigned concept.

Prerequisite(s): Prior or concurrent enrollment and a minimum grade of "C" in all of the following: ART 1010, ART 1011, ART 1020, ART 1030, ARTH 2531, ARTH 2532.

ART 2536 Animation II**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This is an intermediate course in animation, covering concepts in 2D, stop motion, and sound. Course projects will explore character development, storytelling and dialogue. Students will create a pilot episode.

Prerequisite(s): A minimum grade of "C" in ART 1536.

ART 3030 Selected Topics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****ART 3131 Drawing III****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Involves students in drawings of an advanced technical and conceptual nature. Students are encouraged to experiment with traditional and contemporary approaches to personal image making in a variety of drawing materials.

Prerequisite(s): ART 1010, ART 1011, ART 1020, ART 1030, ARTH 2531, ARTH 2532.

Cross Listing(s): ART 3131S.

ART 3131S Drawing III**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Involves students in drawings of an advanced technical and conceptual nature. Students are encouraged to experiment with traditional and contemporary approaches to personal image making in a variety of drawing materials.

Prerequisite(s): ART 1010, ART 1011, ART 1020, ART 1030, ARTH 2531, ARTH 2532.

Cross Listing(s): ART 3131.

ART 3132 Figure Drawing**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

The historical, structural, anatomical, and compositional study of the human figure as an expressive subject.

Prerequisite(s): ART 1010, ART 1011, ART 1020, ART 1030, ARTH 2531, ARTH 2532.

ART 3137 Painting: Visual Language**3 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

This course is intended to provide students with an advanced exploration of paint as an expressive medium and a visual language. Emphasis is on the cultivation of content and creative exploration as informed by technical competence handling traditional formal elements such as composition, color mixing, mediums, and paint surface. Students are urged to develop a personal iconography and to deepen the expressionistic content of their work with an awareness of traditional and contemporary art.

Prerequisite(s): A minimum grade of "C" in ART 2135.

ART 3230 Ceramics: Intermediate**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course is an intermediate exploration in selected technical areas of ceramics and firing. Students will explore glaze problems, firing techniques and aesthetics. Emphasis will be on historical and aesthetic concerns dealing with the form.

Prerequisite(s): ART 2230.

Cross Listing(s): ART 3230H, ART 3230S.

ART 3230H Ceramics: Intermediate**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course is an intermediate exploration in selected technical areas of ceramics and firing. Students will explore glaze problems, firing techniques and aesthetics. Emphasis will be on historical and aesthetic concerns dealing with the form.

Prerequisite(s): ART 2230.

Cross Listing(s): ART 3230, ART 3230S.

ART 3230S Ceramics: Intermediate**3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

This course is an intermediate exploration in selected technical areas of ceramics and firing. Students will explore glaze problems, firing techniques and aesthetics. Emphasis will be on historical and aesthetic concerns dealing with the form.

Prerequisite(s): ART 2230.

Cross Listing(s): ART 3230, ART 3230H.

ART 3235 Materials and Making**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course is an introductory overview of sculptural processes, material properties and dimensional thinking. The course introduces additive/subtractive modeling and basic fabrication techniques for concrete, wood and metal forms. Various projects introduce abstract thinking, working with found objects, and trompe l'oeil (fool the eye) techniques.

Prerequisite(s): ART 2235.

ART 3236 Small Metals Design: Intermediate I**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course is an intermediate level exploration of tools, materials, and techniques of small metal design. Students will learn technical, conceptual, research, design, and professional skills.

Prerequisite(s): A minimum grade of "C" in ART 2236.

ART 3330 New Media Design**3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

A study of the various aspects of new media design, specifically how formal aesthetic and concept is integrated with motion, sequence, duration, time and sound. Visual solutions will take shape in a non-print format that investigates how a user experiences new media differently than traditional media.

Prerequisite(s): A minimum grade of "C" in ART 2331, ART 2330.

ART 3331 Graphic Design Methods**3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

An intermediate level course which teaches page design and layout of various types, focusing on books, magazines, catalogs, and newspapers. Special emphasis will be on developing students' abilities to find creative yet functional solutions to a diverse range of paper design problems.

Prerequisite(s): A minimum grade of "C" in ART 2331, ART 2330.

Cross Listing(s): ART 3331H.

ART 3331H Graphic Design Methods- Honors**3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

An intermediate level course which teaches page design and layout of various types, focusing on books, magazines, catalogs, and newspapers. Special emphasis will be on developing students' abilities to find creative yet functional solutions to a diverse range of paper design problems.

Prerequisite(s): A minimum grade of "C" in ART 2331, ART 2330.

Cross Listing(s): ART 3331.

ART 3333 Design Systems**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

A study of how to design a visual identity system which includes logos, trademarks, letterheads, business cards, signage, brochures, catalogs, electronic web designs, and other forms of communication appropriate to the business.

Prerequisite(s): A minimum grade of "C" in ART 3331, ART 3330.

ART 3334 Professional Practices**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This advanced level course will cover the practical issues that confront professional graphic designers today. Topics include job searching, freelancing, contract negotiation, ownership of intellectual property, client dynamics, presenting design solutions and other relevant issues. Students will learn to prepare files for printing and apply professional standards within the graphic design industry.

Prerequisite(s): ART 3331.**ART 3335 Photography/Digital Imaging: Intermediate****3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

This is a studio course in which the student explores the use of the digital camera and elements of Photoshop to use as tools for personal creative expression and development of the artist's vision. Students will question and evaluate the role of photography in contemporary society and discuss our role and responsibilities as image-makers.

Prerequisite(s): A minimum grade of "C" in ART 2335.**ART 3338 Typography II****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course provides an advanced study of typographic systems, principles, and usage with emphasis on refining student's understanding of type aesthetics, and its informative, expressive, and experimental potential in solving complex communication problems. Students will use type as a visual form and visible language.

Prerequisite(s): ART 2330.**Cross Listing(s):** ART 3338H.**ART 3338H Typography II (Honors)****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course provides an advanced study of typographic systems, principles, and usage with emphasis on refining student's understanding of type aesthetics, and its informative, expressive, and experimental potential in solving complex communication problems. Students will use type as a visual form and visible language.

Prerequisite(s): ART 2330.**Cross Listing(s):** ART 3338.**ART 3430 Print, Paper, Book Arts: Intermediate****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

In this course, multiple color, reduction, digital integration, and mixed-media technical applications for all printing processes will expand students' ability to further their personal conceptual direction, as will resolving problems of delivery intention, to include both the fine art print and printed public commodity. Students will examine the presence of their print imagery and delivery, within the historical and critical context of printmaking and the powerful democratic ability of the printed image. Bookbinding and papermaking techniques will employ advanced historical/global forms/skills that will foster the intimate experience and powerful self-reflection when viewing imagery and content via the artist's book.

Prerequisite(s): A minimum grade of "C" in ART 2430.**Cross Listing(s):** ART 3430S, ART 3430H.**ART 3430H Print, Paper, Book Arts III****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Continued exploration of print/paper/book arts processes, student artists will develop a body of work advancing their portfolio, including furthering individual style, concept development, and print, paper, book arts skills.

Prerequisite(s): A minimum grade of "C" in ART 2430.**Cross Listing(s):** ART 3430, ART 3430S.**ART 3430S Print, Paper, Book Arts: Intermediate****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Multiple color, reduction, digital integration, and mixed-media technical applications for all printing processes will expand students' ability to further their personal conceptual direction, as will resolving problems of delivery intention, to include both the fine art print and printed public commodity. Students will examine the presence of their print imagery and delivery, within the historical and critical context of printmaking and the powerful democratic ability of the printed image. Bookbinding and papermaking techniques will employ advanced historical/global forms/skills that will foster the intimate experience and powerful self-reflection when viewing imagery and content via the artist's book.

Prerequisite(s): A minimum grade of "C" in ART 2430.**Cross Listing(s):** ART 3430.**ART 3536 Video & Motion Graphics****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course is an introduction to video, motion graphics, editing, and audio techniques. Student projects will cover expressive techniques in video editing, kinetic type, special effects, motion tracking and web streaming.

Prerequisite(s): A minimum grade of "C" in ART 2536.**ART 3537 Installation & Interactivity****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

In this course, students are introduced to interactivity and programming with motors, sensors, video mapping, and the Arduino. Students will create an independent body of work in interactive media with games, 3D printing, constructed environments and sound installation.

Prerequisite(s): A minimum grade of "C" in ART 2536.**ART 3731 Graphic Design Internship****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Students will apply their skills and learn practices of the profession through a professional experience in graphic design.

Prerequisite(s): ART 3331 and a minimum grade of "C" in ART 3338.**Cross Listing(s):** ART 3731S.**ART 3731S Graphic Design Internship****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Students will apply their skills and learn practices of the profession through a professional experience in graphic design.

Prerequisite(s): ART 3331 and a minimum grade of "C" in ART 3338.**Cross Listing(s):** ART 3731.**ART 4135 Painting: Studio Practice****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course is intended to provide students advanced opportunities to explore the process of personal image making through painting media. Students will work to refine their ability to create strong and "finished" imagery by focusing on edges, actively choosing placement of hard and soft edges to move the viewer's eye through the image and actively mixing colors at edges that interact to strengthen and enhance colors used next to each other. Students will also focus on using paint mediums and on mark making to actively create a painterly surface.

Prerequisite(s): A minimum grade of "C" in ART 3135.**ART 4190 Problems in Drawing****1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

An intensive exploration of drawing media with special focus on advanced levels of personal expression. Thematic content, style, and expressive interpretation are to be determined by the student in consultation with the instructor. Department approval required.

Cross Listing(s): ART 4190S.**ART 4190H Problems in Drawing (Honors)****1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

An intensive exploration of drawing media with special focus on advanced levels of personal expression. Thematic content, style, and expressive interpretation are to be determined by the student in consultation with the instructor. Department approval required.

Cross Listing(s): ART 4190S.

ART 4190S Problems in Drawing**1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

An intensive exploration of drawing media with special focus on advanced levels of personal expression. Thematic content, style, and expressive interpretation are to be determined by the student in consultation with the instructor. Department approval required.

Cross Listing(s): ART 4190.**ART 4232 Ceramics: Advanced****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course is intended to provide students expanded opportunities to explore and employ advanced ceramics materials, processes and techniques, glaze calculation and firing techniques leading up to a sophisticated professional portfolio of work that includes an artist statement, resume, and website presence. Students will learn technical, conceptual, research and design skills, as well as professional skills at an advanced level.

Prerequisite(s): A minimum grade of "C" in ART 3230.**ART 4235 Hot and Cold Casting****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course emphasizes artistic expression using hot and cold casting techniques. Contemporary issues will be explored through a variety of topics that may include figurative studies, body-casting, combinations of 2- and 3-dimensional media, explorations of scale relationships, and art as a vehicle for social change. Emphasis is placed upon visual communication and personal expression.

Prerequisite(s): A minimum grade of "C" in ART 2235.**ART 4236 Small Metals Design: Advanced I****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course is an advanced level exploration of tools, materials, and techniques of small metal design. Students will learn technical, conceptual, research, design, and professional skills.

Prerequisite(s): A minimum grade of "C" in ART 3236.**ART 4330 Print, Paper, Book Arts: Advanced****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course continues the exploration of print/paper/book arts processes. Student artists will develop a body of work advancing their portfolio, including furthering individual style, concept development, and print, paper, book arts skills.

Prerequisite(s): A minimum grade of "C" in ART 3430.**ART 4333 Publication Design****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This class investigates publication design as a vehicle for consolidating all graphic design skills. Informed by tradition, as well as trend and its commercial viability in publications, students develop visual expressions as they pertain to journalistic philosophies, typography, photography, illustration, technology, time and sequencing. Integrated style or identity will be examined and related to various publications and view audiences, such as corporate reports and books, museum exhibit catalogs and magazines.

Prerequisite(s): ART 3331, ART 3338.**ART 4334 Photography/Digital Imaging: Advanced****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This is a studio course in which the student explores the use of the digital camera and elements of Photoshop to use as tools for personal creative expression and development of the artist's vision. Students will question and evaluate the role of photography in contemporary society and discuss the roles and responsibilities of image-makers.

Prerequisite(s): A minimum grade of "C" in ART 3335.**ART 4335 Web Page Design****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

The student will develop effective graphic design interfaces for website construction. Course content will address software and technical information with an emphasis on items such as site construction and site management, as well as current and future developments in online services, search engines, and how they affect the online community. Students will incorporate workflow and organizational skills into an active online website for a variety of topics.

Prerequisite(s): ART 3331, ART 3338.**ART 4381 Graphic Design Theories****3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

An advanced level course that investigates in-depth theoretical and practical issues concerning the design profession, meaningful communication, ethics, and user-experience through the synthesis of visual and verbal solutions.

Prerequisite(s): A minimum grade of "C" in ART 3331, ART 3330.**ART 4381H Graphic Design Theories****3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

An advanced level course that investigates in-depth theoretical and practical issues concerning the design profession, meaningful communication, ethics, and user-experience through the synthesis of visual and verbal solutions.

Prerequisite(s): A minimum grade of "C" in ART 3331, ART 3330.**ART 4536 3D Animation****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This course introduces students to 3D animation, covering concepts in 3D, sound, and web. Student projects will explore character development, storytelling, and dialogue.

Prerequisite(s): A minimum grade of "C" in ART 2536.**ART 4590 Selected Topics in Art****1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Studio experiences to further students' artistic development in varied, unique processes and approaches.

Prerequisite(s): A minimum grade of "C" in ART 1010, ART 1011, ART 1020, ART 1030, ARTH 2531, ARTH 2532.**Cross Listing(s):** ART 4590H, ART 4590S.**ART 4590H Selected Topics in Art- Honors****1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Studio experiences to further students' artistic development in varied, unique processes and approaches.

Prerequisite(s): A minimum grade of "C" in ART 1010, ART 1011, ART 1020, ART 1030, ARTH 2531, ARTH 2532.**Cross Listing(s):** ART 4590, ART 4590S.**ART 4590S Selected Topics in Art****1-3 Credit Hours. 1-3 Lecture Hours. 2-6 Lab Hours.**

Individual research in a specific area of art.

Cross Listing(s): ART 4590, ART 4590H.**ART 4630 Senior Seminar****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****ART 4889 Graphic Design Portfolio****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

The student will compile a professional portfolio and exhibit creative work to the public.

Prerequisite(s): A minimum grade of "C" in ART 4381, ART 3334.

ART 4988 Capstone in Studio Art**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

This is a professional application and practice course that provides an opportunity for students to identify and apply transferable skills acquired in their studio and non-studio classes in the B.A. Studio Art degree.

The course is structured to allow each student to conceptualize and implement an individual semester-long capstone project which will be defined by the creative skills and interests gained during the program of study. Students will publicly present capstone projects at the end of the course. Students will also prepare professional materials needed for career opportunities post-graduation. Students must attain senior status and have the permission of the instructor to enroll.

Prerequisite(s): A minimum grade of "C" in ART 1010, ART 1011, ART 1020, ART 1030, ARTH 2531, ARTH 2532.

ART 4999 BFA Portfolio and Exhibition**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Portfolio development and exhibition experience for senior BFA studio students.

Prerequisite(s): Must take this class last semester in degree program.

ARTH Art History

ARTH 2531 Art History I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course surveys the arts of the western and non-western world from the prehistoric eras through the 14th century. The emphasis is twofold:

1) recognizing the visual characteristics of period and individual styles through a study of major monuments and, 2) utilizing works of art to better understand the social, cultural and economic realities of the historical eras. The format for the course is lecture with discussion.

Cross Listing(s): ARTH 2531S.

ARTH 2531S Art History I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course surveys the arts of the western and non-western world from the prehistoric eras through the 14th century. The emphasis is twofold: 1) recognizing the visual characteristics of period and individual styles through a study of major monuments and, 2) utilizing works of art to better understand the social, cultural and economic realities of the historical eras. The format for the course is lecture with discussion.

Cross Listing(s): ARTH 2531.

ARTH 2532 Art History II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course surveys the arts of the western and non-western world from the 15th century to the present. The emphasis is twofold: 1) recognizing the visual characteristics of period and individual styles through a study of major monuments and, 2) utilizing works of art to better understand the social, cultural and economic realities of the historical eras. The format for the course is lecture with discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2531.

Cross Listing(s): ARTH 2532S.

ARTH 2532S Art History II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course surveys the arts of the western and non-western world from the 15th century to the present. The emphasis is twofold: 1) recognizing the visual characteristics of period and individual styles through a study of major monuments and, 2) utilizing works of art to better understand the social, cultural and economic realities of the historical eras. The format for the course is lecture with discussion.

Cross Listing(s): ARTH 2532.

ARTH 3231 Modern Art History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the radical changes that occurred in Western painting, sculpture, photography, architecture and design from the beginning of Modernism in the 19th century through the early and late twentieth century. The approach will be lively and broad, utilizing ideas from diverse disciplines including theology, philosophy, literature, music, fashion design, politics, economic, sociology, psychology, the history of technology, and physics. Some of the most culturally significant artists, movements, and masterpieces of modern art will be addressed in readings, lectures, videos and discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

ARTH 3251 Dada and Surrealism Art History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will examine the profound and lasting contributions made by Dada & Surrealist artists as well as other revolutionary modernists of the early 20th century who sought to escape the traditional and rational in art and thought. An analysis of topics (dada and performance; neo-dada; dada and surrealist women; surrealism and photography; dada, surrealism and ethnography; collage; and the impact of surrealism in the United States) will be analyzed to define regressive ideas, which led to the dismantling of previous standards and the rise of an anti-art spirit, which continues today in various guises. Primary documents will be consulted regularly in order to provide a wider appreciation of the variety of Dada and Surrealist media (e.g. literature, film, theater, typography). The format for this course is lecture with discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

ARTH 3261 Italian Mannerism Art History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will address the visual arts of Italy created during the late Renaissance, typically known as the Mannerist period. The class will primarily cover painting, and sculpture, with the inclusion of some architectural works. The course will begin by establishing the artistic traditions of the High Renaissance era to examine Mannerist innovations and shifts in style and aesthetics as well as the maintenance, in some instances, of High Renaissance ideals. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

ARTH 3272 Northern Renaissance Art History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will address the visual arts of northern Europe during the Renaissance, the 14th through the 16th century. The class will primarily cover the painting, printmaking, and sculpture of Germany, Flanders, France, and the Netherlands. The class will begin by establishing the artistic traditions of the medieval era and exhibit how the early Northern Renaissance artists both operated within these traditions and made marked innovations to the visual vocabulary, and will conclude with the 16th-century North's responses to the Protestant Reformation and to the influence of works of the Italian Renaissance. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

ARTH 3282 Pre-Colombian Art History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This survey introduces students to the art produced by the cultures of Mesoamerica up to the time of contact with European cultures; from the earliest traditions of Olmec ceramic sculpture to the spectacular Mayan architecture and awe-inspiring stone carvings of the Aztecs. Sacred architecture, precious stone and metal sculpture, basalt carving traditions, mural paintings and works of art on paper are examined with a consideration to both form and context. The format for this course is lecture with discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2531 and ARTH 2532.

ARTH 3377 Graphic Design Art History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is a survey of the history of graphic design communications from prehistory to the present, and will evaluate the impact of culture and technology on the development of graphic design in different historical contexts. Content includes the relation of art and graphic design, techniques of graphic representation, current trends, and the importance of graphic communication in contemporary society.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

ARTH 3435 African Art History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Surveys the major themes, cultural groups, and art traditions of Africa. Focuses on materials, functions, meaning and the distinctive aesthetic values of cultural objects and their ritual significance in African societies.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): AAST 3435.

ARTH 3436 African American Art History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The study of African American art and design from the period of pre-colonial Africa to the contemporary United States. The course investigates the creativity and cultural identity of African Americans and their contributions to the visual culture in America.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): AAST 3436.

ARTH 3437 American Art History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the history of American Art from the Colonial Period through the present. Works of art and other forms of material culture will be explored and discussed within the context of philosophical, historical, social, and cultural developments. Attention will be given to the writings of artists and critics, as well as texts by contemporary art historians, historians, and other scholars which illustrate the variety of methodologies and interpretations that are currently being brought to bear on American art, architecture, and material culture. The format for this course is lecture with discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

ARTH 3530 Art and Architecture of the Ancient World**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will encompass a study of the visual arts, primarily sculpture, painting, and metalwork, and architecture, both secular and religious, of the ancient world from Prehistoric times through circa 350 CE, with an emphasis on the art of Greece and Rome. A historical and cultural background will be provided to lay a contextual groundwork for the more specific information of the works of art and architecture. The material will begin with the examination of the earliest artistic creations by humankind in the Paleolithic era, proceed with the works of the ancient Egyptian, Greek, Etruscan, and ancient Roman cultures, and conclude with the conversion of the Roman Empire to Christianity and to the era known as Early Christian. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): ARTH 3530S.

ARTH 3530S Art and Architecture of the Ancient World**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will encompass a study of the visual arts, primarily sculpture, painting, and metalwork, and architecture, both secular and religious, of the ancient world from Prehistoric times through circa 350 CE, with an emphasis on the art of Greece and Rome. A historical and cultural background will be provided to lay a contextual groundwork for the more specific information of the works of art and architecture. The material will begin with the examination of the earliest artistic creations by humankind in the Paleolithic era, proceed with the works of the ancient Egyptian, Greek, Etruscan, and ancient Roman cultures, and conclude with the conversion of the Roman Empire to Christianity and to the era known as Early Christian. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): ARTH 3530.

ARTH 3531 Medieval Art History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will encompass a study of the visual arts in Europe, primarily sculpture, painting, and architecture from the fall of the Roman Empire to the thirteenth century. While some secular works will be covered, primarily the course will address Christian art because of the Church's strong sway in the Medieval world. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): ARTH 3531S.

ARTH 3531S Medieval Art History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will encompass a study of the visual arts in Europe, primarily sculpture, painting, and architecture from the fall of the Roman Empire to the thirteenth century. While some secular works will be covered, primarily the course will address Christian art because of the Church's strong sway in the Medieval world. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): ARTH 3531.

ARTH 3532 Italian Renaissance Art History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will encompass a study of the visual arts, primarily sculpture, painting, and architecture, both secular and religious, from the Italian Renaissance. The course will begin by establishing the artistic traditions of the Medieval era and exhibit how the early Renaissance artists both operated within these traditions and made marked innovations to the visual vocabulary, moves which eventually led to the new individualism of the artist and the renowned works of the High Renaissance, with which we will conclude the semester. The class will address differences in style between many of the Italian cities: Florence, Rome, Siena, Mantua, among others. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): ARTH 3532S.

ARTH 3532S Italian Renaissance Art Hist
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course will encompass a study of the visual arts, primarily sculpture, painting, and architecture, both secular and religious, from the Italian Renaissance. The course will begin by establishing the artistic traditions of the Medieval era and exhibit how the early Renaissance artists both operated within these traditions and made marked innovations to the visual vocabulary, moves which eventually led to the new individualism of the artist and the renowned works of the High Renaissance, with which we will conclude the semester. The class will address differences in style between many of the Italian cities: Florence, Rome, Siena, Mantua, among others. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): ARTH 3532.

ARTH 3533 Baroque and Rococo Art History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course will address the visual arts of the Baroque and Rococo periods in both Northern and Southern Europe. The class will primarily cover painting, and sculpture, with the inclusion of some architectural works. The course will begin by establishing the artistic traditions of the Late Renaissance era to lay the groundwork for the revised aesthetic and innovations of the Baroque, and go on to examine further shifts in style as we move into the Rococo. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

ARTH 3534 19th Century Art History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course examines the art, artists and issues in 19th century art through lectures and discussion. Topics for discussion include: Classicism & Romanticism, Representations of other cultures, Issues of gender, Realism, Impressionism & Post-Impressionism, Modernism, Abstraction, Symbolism. The format of the course is lecture with discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): ART 3534S.

ARTH 3534S 19th Century Art History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course examines the art, artists and issues in 19th century art through lectures and discussion. Topics for discussion include: Classicism & Romanticism, Representations of other cultures, Issues of gender, Realism, Impressionism & Post-Impressionism, Modernism, Abstraction, Symbolism. The format of the course is lecture with discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): ARTH 3534.

ARTH 4276 Art Theory and Criticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course will explore selected themes and issues in contemporary theory and criticism as they impact the ways in which art is produced, viewed, and written about today. This course will provide students with the practical knowledge and skills to comprehend and critically evaluate the vast body of theory and criticisms currently being written on the arts and to critically examine their own experience and perspectives on art education and the practice of art. Topics include formalism, gender and identity, otherness, realism and ideology, semiotics, representation, the gaze, surveillance, and power. The format of the course is lecture with discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

ARTH 4435 Art History Travel Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of important art works on location at museums, galleries, monuments and other sites. Specific topics and locations to be announced.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): ARTH 4435S.

ARTH 4435S Art History Travel Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course surveys European and American art, artists and issues/movements in the 20th century. The purpose of this course is to provide an understanding of not only stylistic principles of the century, but also those human values and cultural events which served as inspiration. Lectures, readings, discussions, and assignments focus on the intentions, creative biographies, and historical circumstances of 20th century artists. The format for this course is lecture with discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

ARTH 4530 20th Century Art History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course surveys European and American art, artists and issues/movements in the 20th century. The purpose of this course is to provide an understanding of not only stylistic principles of the century, but also those human values and cultural events which served as inspiration. Lectures, readings, discussions, and assignments focus on the intentions, creative biographies, and historical circumstances of 20th century artists. The format for this course is lecture with discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

ARTH 4531 Contemporary Art History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Through lectures and class discussion, this course explores the development of contemporary art from the 1970s to the present day. We will investigate issues pertaining to contemporary art such as place, memory, consumption, spirituality, identity, power, stories, loss and desire, time, humor, ecology and protest. Course content also considers the nature of "mega-exhibitions" and the changing role of art, artists, and curators as cultural activists; art as the product of economic relations between parties with different vested interests in the material object; visual strategies used in the media and advertising; and the impact of technology on contemporary culture in general and art in particular.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): ARTH 4531S.

ARTH 4531S Contemporary Art History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Through lectures and class discussion, this course explores the development of contemporary art from the 1970s to the present day. We will investigate issues pertaining to contemporary art such as place, memory, consumption, spirituality, identity, power, stories, loss and desire, time, humor, ecology and protest. Course content also considers the nature of "mega-exhibitions" and the changing role of art, artists, and curators as cultural activists; art as the product of economic relations between parties with different vested interests in the material object; visual strategies used in the media and advertising; and the impact of technology on contemporary culture in general and art in particular.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): ARTH 4531.

ARTH 4631 Art History Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A seminar-format course on selected topics in art history with emphasis on directed readings and classroom discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): ARTH 4631S.

ARTH 4631H Art History Seminar (Honors)
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A seminar-format course on selected topics in art history with emphasis on directed readings and classroom discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

Cross Listing(s): ARTH 4631S.

ARTH 4631S Art History Seminar**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A seminar-format course on selected topics in art history with emphasis on directed readings and classroom discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.**Cross Listing(s):** ARTH 4631.**ARTH 4830 Art History Research****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Independent research and study on selected topics in art history.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532 and Departmental approval.**ARTH 4831 Senior Art History Thesis****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Independent research and writing on a specific topic under the supervision of an Art History faculty member. The thesis is a substantial research paper which demonstrates advanced understanding or interpretation on a specific Art History topic.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532 and Departmental approval.

ASTR Astronomy

ASTR 1000 Introduction to the Universe**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the motions and constitution of the solar system, stars and other celestial bodies. Theories of evolution of celestial bodies and the universe are considered in addition to the instrumentation used by astronomers.

ASTR 1010 Astronomy of the Solar System**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the motions and physical properties of the planets, asteroids, and comets.

ASTR 1020 Stellar and Galactic Astronomy**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the physical properties of stars and galaxies and of the origins of the universe.

ASTR 1211 Astronomy Lab**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A series of laboratories designed to measure the physical properties of planets, stars, and galaxies.

Corequisite(s): ASTR 1010, ASTR 1020.**ASTR 1211F Astr Lab/CoReq ASTR 1010/1020****1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A series of laboratories to measure the physical properties of planets, stars, and galaxies.

ASTR 1211S Astronomy Lab**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A series of laboratories designed to measure the physical properties of planets, stars, and galaxies.

ASTR 3131 Optics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Geometric, physical, and quantum optics in which the general principles of wave optics and several optical devices are studied. A minimum grade of "C" in PHYS 2211 and PHYS 2212.

Cross Listing(s): PHYS 3131.**ASTR 3137 The Search for Life in the Universe****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course will describe the current quest to find intelligent life in the universe. It will begin with a discussion of the nature and origin of life on Earth. After considering the search for life in our solar system, techniques used to search for extrasolar planets and extraterrestrial life will be explored. The course will also include a discussion of the physical limitations to interstellar spaceflight and alternative methods of communication.

Prerequisite(s): ASTR 1000 or ASTR 1010 or ASTR 1020.**ASTR 3538 Physical Astronomy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The physical nature of the solar system, stars and galaxies will be studied in detail. Principles of physics will be used and illustrated, especially in the areas of mechanics, thermodynamics, physical optics, and spectral analysis.

Prerequisite(s): PHYS 2211 or PHYS 1111 and PHYS 2212 or PHYS 1112.**ASTR 3558 Introduction to General Relativity****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the metric description of different spacetimes that describe flat and various curved geometries so as to derive the laws of mechanics for planets, stars, black holes, etc. The course also introduces a very simple model of the expanding universe and briefly introduces cosmology.

Prerequisite(s): PHYS 3537 or permission of instructor.**Cross Listing(s):** PHYS 3558.**ASTR 3790 Teaching Internship in Astronomy****1-2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The internship allows students to investigate teaching practices in astronomy. The student will participate in an introductory workshop immediately prior to the start of the semester, intern in the planetarium, and meet with the faculty mentor one hour each week.

Prerequisite(s): Permission of instructor required and ASTR 1000 or ASTR 1010 or ASTR 1020.**ASTR 4130 Astrophysics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will cover advanced topics in Astrophysics. Students will become familiar with the fundamental physics of stars. This includes stellar atmospheres, interiors, and evolution. Students will study the atomic properties of matter and its interaction with light. Students will also study techniques for observing stars using telescopes and interferometers.

Prerequisite(s): PHYS 1112 or PHYS 2212.**ASTR 4138 Galactic Astronomy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Galactic Astronomy will cover advanced topics in galactic structure and evolution. This includes galaxy morphology, stellar and gaseous content, stellar orbits, disk dynamics, central massive black holes, large scale structure, interactions and evolution in a cosmological setting. Students will also be introduced to the historic development of our modern view of the universe.

Prerequisite(s): PHYS 1112 or PHYS 2212.**ASTR 4330 Observational Techniques in Astronomy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will cover advanced topics in astronomical observing techniques. This includes the basic physical principles and methods needed to plan, obtain, and reduce photometric data of celestial objects. Students will be introduced to the principles of spherical astronomy, photoelectric detectors, atmospheric extinction and standard system transformations, and the Image Reduction and Analysis (IRAF) software package.

Prerequisite(s): PHYS 1112 or PHYS 2212.

ASTR 5090 Selected Topics in Astronomy
2-5 Credit Hours. 0-5 Lecture Hours. 0-6 Lab Hours.

A course allowing for investigation of selected topics in Astronomy; it will be taught on a one-time basis. Lecture only courses can be for two, three, or five credit hours. For laboratory courses, one credit hour will be given for every three hours spent working in lab.

Prerequisite(s): PHYS 1112 or PHYS 2212.

ASTR 5555 Special Topics in Astrophysics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**ASTR 5890 Astronomy Research Experience**

1-4 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.

An independent astronomy research experience in which a student will investigate a research question under the direction of a faculty member. Students will be expected to maintain a laboratory notebook, prepare a written summary of the research, and give an oral presentation at the end of the experience. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): Permission of instructor required.

Cross Listing(s): ASTR 5890G.

BIOL Biology

BIOL 1110 General Biology Laboratory
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A series of laboratory components that involve hands on experimentation with the biological concepts of genetics, growth, ecology, reproduction, development and physiological processes.

Cross Listing(s): BIOL 1110H, BIOL 1110S.

BIOL 1110H General Biology Laboratory
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A series of laboratory components that involve hands on experimentation with the biological concept of genetics, growth, ecology, reproduction, development and physiological processes.

Cross Listing(s): BIOL 1110, BIOL 1110S.

BIOL 1110S General Biology Laboratory
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A series of laboratory components that involve hands on experimentation with the biological concepts of genetics, growth, ecology, reproduction, development and physiological processes.

Cross Listing(s): BIOL 1110H, BIOL 1110.

BIOL 1130 General Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introductory course covering the concepts and applications of biological diversity. In this course, cell organization, genetics, diversity, plant and animal structure and function, ecology, evolution, and our impact on the environment will be discussed in class.

Cross Listing(s): BIOL 1130H, BIOL 1130S.

BIOL 1130H General Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introductory course covering the concepts and applications of biological diversity. In this course, cell organization, genetics, diversity, plant and animal structure and function, ecology, evolution, and our impact on the environment will be discussed in class.

Cross Listing(s): BIOL 1130, BIOL 1130S.

BIOL 1130S General Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introductory course covering the concepts and applications of biological diversity. In this course, cell organization, genetics, diversity, plant and animal structure and function, ecology, evolution, and our impact on the environment will be discussed in class.

Cross Listing(s): BIOL 1130H, BIOL 1130.

BIOL 1210 Environmental Biology Laboratory
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A series of laboratory components that are directed toward ecological and environmental science and stress experimental design and data analysis.

Cross Listing(s): BIOL 1210H.

BIOL 1210H Environmental Biology Laboratory
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A series of laboratory components that are directed toward ecological and environmental science and stress experimental design and data analysis.

Cross Listing(s): BIOL 1210.

BIOL 1230 Environmental Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A consideration of environmental issues and ecological processes including interspecific interactions, community dynamics, biodiversity, and the major biomes of the world. Human impact on earth, population growth, conservation, energy production, food production, and pollution will be related to those basic ecological processes.

Cross Listing(s): BIOL 1230H.

BIOL 1230H Environmental Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A consideration of environmental issues and ecological processes including interspecific interactions, community dynamics, biodiversity, and the major biomes of the world. Human impact on earth, population growth, conservation, energy production, food production, and pollution will be related to those basic ecological processes.

Cross Listing(s): BIOL 1230.

BIOL 1331 Insects and People
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to the role insects and other arthropods serve in relation to humans. Insect human interactions in the home, yard, garden, workplace, recreational areas, and human body are included. Considerations of the natural history, life cycles and optional human actions regarding pests, beneficial insects, insects and disease, insects and food, and aesthetics is included.

BIOL 1333 From Neuron to Brain
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A consideration of the workings of the brain from a biological perspective. The mechanisms of neural function from cell to network to brain will be studied. Topics will include neurons, neurotransmitters, nerve nets, the biological basis of learning, vision, language, brain sex differences, major disorders of mind and brain, and aging of the brain.

BIOL 1335 Plants and Civilization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to major groups of economic plants and their role in the origin and maintenance of civilization. The course also deals with plant biodiversity and the potential impact of biological losses.

Cross Listing(s): BIOL 1335H, BIOL 1335S.

BIOL 1335H Plants and Civilization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to major groups of economic plants and their role in the origin and maintenance of civilization. The course also deals with plant biodiversity and the potential impact of biological losses.

Cross Listing(s): BIOL 1335, BIOL 1335S.

BIOL 1335S Plants and Civilization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to major groups of economic plants and their role in the origin and maintenance of civilization. The course also deals with plant biodiversity and the potential impact of biological losses.

Cross Listing(s): BIOL 1335, BIOL 1335H.

BIOL 2107 Principles of Biology I**0,3 Credit Hours. 0,3 Lecture Hours. 0,1 Lab Hours.**

A general course covering the concepts and applications of cellular and molecular biology. Includes scientific method, cell organization, gene regulation, molecular genetics, cell diversity, cell structure and function, and evolution.

Cross Listing(s): BIOL 2107H.**BIOL 2107H Principles of Biology I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A general course covering the concepts and applications of cellular and molecular biology. Includes scientific method, cell organization, gene regulation, molecular genetics, cell diversity, cell structure and function, and evolution.

Cross Listing(s): BIOL 2107.**BIOL 2107L Principles of Biology I Laboratory****1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.**

Laboratory course emphasizing hands-on experience in the applications of cellular and molecular biology through emphasis on experimental design and data analysis.

Corequisite(s): BIOL 2107.**BIOL 2108 Principles of Biology II****0,3 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Overview of major organismal, evolutionary and ecological topics in biology including evolution, diversity of life on earth, plant and animal form and function, and ecology. The course also discusses how life evolved to meet changing conditions on the planet.

Cross Listing(s): BIOL 2108H.**BIOL 2108H Principles of Biology II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Overview of major organismal, evolutionary and ecological topics in biology including evolution, diversity of life on earth, plant and animal form and function, and ecology. The course also discusses how life evolved to meet changing conditions on the planet.

Corequisite(s): BIOL 2108L.**Cross Listing(s):** BIOL 2108.**BIOL 2108L Principles of Biology II Laboratory****1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.**

Laboratory survey of the diversity and basic biology of viruses, bacteria, protista, fungi, plants, and animals. Emphasis will be placed on recognition of the major groups of organisms and understanding of the relationship between structure, function and organismal success.

Corequisite: BIOL 2108.**BIOL 2240 Microbiology****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Emphasizes fundamental principles of microbiology. Topics include structure, physiology, and economic importance of microorganisms.

BIOL 2320H Honors Research Methods in Biology**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Provides Departmental Honors in Biology students an overview of basic research methods, experimental design, visual presentation and analysis of biological information in diversity of biology sub-disciplines. This course provides the foundation for understanding the analyses typically presented in biological publications as well as the precepts necessary to plan a research project effectively.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108, BIOL 2108L and acceptance into the Departmental Honors in Biology Program is required.**BIOL 3099 Selected Topics/Biology****3-4 Credit Hours. 3-4 Lecture Hours. 0 Lab Hours.**

Course taught on a selected topic in biology on a one time basis.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108, BIOL 2108L.**Cross Listing(s):** BIOL 3099H, BIOL 3099S.**BIOL 3099H Selected Topics/Biology****3-4 Credit Hours. 3-4 Lecture Hours. 0 Lab Hours.**

Course taught on a selected topic in biology on a one time basis

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108, BIOL 2108L.**Cross Listing(s):** BIOL 3099, BIOL 3099S.**BIOL 3099S Selected Topics/Biology****3-4 Credit Hours. 3-4 Lecture Hours. 0 Lab Hours.**

Course taught on a selected topic in biology on a one time basis.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108, BIOL 2108L.**Cross Listing(s):** BIOL 3099H, BIOL 3099.**BIOL 3130 Principles of Genetics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course includes the study of gene structure and function, the role of genes in determining the traits of living organisms, and the role of genes in evolution. Topics include the physical basis of Mendelian inheritance, interaction of genes, linkage and mapping, sex linkage, DNA replication, mutation, RNA transcription, protein translation, regulation of gene expression, and the fundamental principles of population, quantitative, and evolutionary genetics.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108, BIOL 2108L.**Cross Listing(s):** BIOL 3130H.**BIOL 3130H Principles of Genetics- Honors****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course includes the study of gene structure and function, the role of genes in determining the traits of living organisms, and the role of genes in evolution. Topics include the physical basis of Mendelian inheritance, interaction of genes, linkage and mapping, sex linkage, DNA replication, mutation, RNA transcription, protein translation, regulation of gene expression, and the fundamental principles of population, quantitative, and evolutionary genetics.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108, BIOL 2108L.**Cross Listing(s):** BIOL 3130.**BIOL 3131 Principles of Physiology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an introduction to the fundamental principles of physiology. The focus is on how organisms maintain homeostasis in the face of changes in their internal and external environment. This course will cover energetics, the basic physiological processes of cells, how cell signaling can coordinate more elaborate functions, the hierarchical organization of cells into organs and organ systems, and how these organ systems can carry out complex adaptive functions. Students will see the fundamental relationship between structure and function and learn how physiological systems are constrained by phylogeny, physical limits, and functional trade-offs.

Prerequisite(s): A minimum grade of "C" in all of the following: BIOL 2107, BIOL 2107L, BIOL 2108 and BIOL 2108L.**BIOL 3133 Evolution and Ecology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to major principles of genetics, evolution, and ecology. This course covers the origin of maintenance of genetic variation (Mendelian and population genetics), genetic change in populations over time (micro evolutionary processes of selection, drift, and gene flow), and taxonomic diversification (macro evolutionary process of speciation). Students will see how this evolution and diversification are shaped by ecological interactions between organisms and their biotic environment. These ecological interactions will be studied at the population, community, and ecosystem levels.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108, BIOL 2108L.

BIOL 3440 Field Biology**4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Field study of the basic natural history of plants and/or animals of the southeastern United States. Lectures, laboratories, and field trips emphasize the ability to locate, observe, collect, and identify organisms in the field, as well as manage field data.

Prerequisite(s): BIOL 2107 and BIOL 2107L and BIOL 2108 and BIOL 2108L.

BIOL 3535 The Biology of Plants**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the biology of plants. Topics include the evolution and diversity of plants, as well as the unique morphology, physiology, reproduction and ecology of higher plants in particular.

Prerequisite(s): BIOL 2107 and BIOL 2107L and BIOL 2108 and BIOL 2108L.

BIOL 3541 Invertebrate Zoology**0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

A survey of the diversity and basic biology of the invertebrates. Emphasis is placed on adaptations responsible for the diversity and life history strategies of invertebrates, and identifications of locally important invertebrate groups. Field trips and research project required.

Prerequisite(s): BIOL 2107 and BIOL 2107L and BIOL 2108 and BIOL 2108L.

BIOL 3630H Honors Current Trends in Biological Research**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides students in Departmental Honors in Biology with a structured introduction to current topics in biological research. The course familiarizes students with the scope of biological research and aids students in selecting an area of inquiry to pursue their capstone research requirement. Students will attend the Departmental Seminar series as part of this course. One outcome of this course is a research proposal written with a faculty mentor. Students may not receive credit for this course and BIOL 4620.

Prerequisite(s): BIOL 2320H and acceptance into the Departmental Honors in Biology Program is required.

BIOL 3790 Teaching Internship in Biology**1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Student internship in BIOL 1210 under the mentorship of a faculty member. The student will participate in an introductory workshop immediately prior to the start of the semester, intern in BIOL 1210, and meet with the faculty mentor one hour each week.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108, BIOL 2108L.

BIOL 4230 Introduction to Immunology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the biology of lymphocytes and adaptive immune response including the study of immunoglobulins and cytokines. The roles of the immune system in health and disease are also examined.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108 and BIOL 2108L and 3-4 courses in CHEM.

BIOL 4240 Biology of Microorganisms**4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Covers the principles and techniques of general microbiology, including physiology, genetics, and host-parasite interactions involving bacteria, eukaryotic microorganisms and viruses.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108 and BIOL 2108L.

BIOL 4535 Vertebrate Zoology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the evolution, structure, and function of the vertebrates. This course will trace the origin of vertebrates from their invertebrate ancestors and explore how basic vertebrate design has evolved in the major vertebrate groups. Students will also learn how vertebrate structure has affected their function, distribution, behavior, and ecology.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108 and BIOL 2108L.

BIOL 4620 Undergraduate Seminar**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Group study of selected biological topics held in conjunction with the normal seminar schedule of the Department of Biology. Topics will vary each semester and will be led by biology faculty.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108, BIOL 2108L and Junior standing in Biology Program is required.

BIOL 4635 Biological Basis of Animal Behavior**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will cover the biological basis of animal behavior, emphasizing the evolution, function, development and causes of behavioral actions by animals. Classes will be interactive and include student discussions. Video clips will illustrate behavioral concepts discussed in the course. A range of topics will be covered, including such possibilities as communication, predator/prey interactions, reproductive behavior, the interaction of genes and the environment, the development of behavior and sensory mechanisms.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108 and BIOL 2108L.

BIOL 4730 Internship in Biology**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Qualified biology majors may acquire practical experience by working with a public or private agency that specializes in the proposed area of study. A faculty member in the biology department will act as advisor. Internships must be approved by the head of the department, and a poster presentation of the results must be presented at the end of the semester.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108, BIOL 2108L.

BIOL 4890 Undergraduate Research**1-4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Biology majors will be encouraged to conduct a research project under the supervision of faculty. The faculty recommendation must have approval of the head of the biology department. A written abstract and an oral presentation of the results by the student must be presented at the end of the semester.

Prerequisite(s): BIOL 2107, BIOL 2107L, BIOL 2108, BIOL 2108L.

Cross Listing(s): BIOL 4890S.

BIOL 4890S Undergraduate Research**1-4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Biology majors will be encouraged to conduct a research project under the supervision of faculty. The faculty recommendation must have approval of the head of the biology department. A written abstract and an oral presentation of the results by the student must be presented at the end of the semester.

Cross Listing(s): BIOL 4890.

BIOL 4895H Honors Research**1-3 Credit Hours. 0 Lecture Hours. 3-9 Lab Hours.**

Independent research under the guidance of a biology faculty member for students in the Departmental Honors program. Required for students attempting to earn Departmental Honors in Biology. Students may register for 1-3 credit hours, but must complete 4 credit hours. Students opting to attempt the honors degree program would be precluded from receiving biology elective credit for BIOL 4890.

BIOL 4999H Honors Thesis**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Written and oral presentation of results of independent research. Honors thesis must follow the guidelines adopted by the University Honors Program. Required for students attempting to earn Departmental Honors in Biology.

BIOL 5099 Selected Topics/Biology**3,4 Credit Hours. 3 Lecture Hours. 0,3 Lab Hours.**

A course taught on a one-time basis. Lecture only courses will be three credit hours while courses with a laboratory will be four credit hours. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5099G, BIOL 5099S, BIOL 5099H.

BIOL 5099H Selected Topics/Biology**0-4 Credit Hours. 0-4 Lecture Hours. 0-4 Lab Hours.**

A course taught of a one-time basis. Lecture only courses will be three credit hours while courses with a laboratory will be four credit hours. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5099, BIOL 5099S, BIOL 5099G.**BIOL 5099S Selected Topics/Biology****3,4 Credit Hours. 3 Lecture Hours. 0,3 Lab Hours.**

A course taught on a one-time basis. Lecture only courses will be three credit hours while courses with a laboratory will be four credit hours. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

BIOL 5131 Cell Biology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the structure and physiology of cells and subcellular organelles. Topics include the cell membrane and membrane transport, the extracellular matrix of the cell, the cell cytoskeleton, DNA structure and replication, transcription, translation and the regulation of gene expression. Graduate students will be given an extra assignment or an extra section on tests, as determined by the instructor, that undergraduates will not be required to do.

Cross Listing(s): BIOL 5131S, BIOL 5131G, BIOL 5131H.**BIOL 5131H Cell Biology (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the structure and physiology of cells and subcellular organelles. Topics include the cell membrane and membrane transport, the extracellular matrix of the cell, the cell cytoskeleton, DNA structure and replication, transcription, translation and the regulation of gene expression. Graduate students will be given an extra assignment or an extra section on tests, as determined by the instructor, that undergraduates will not be required to do.

Cross Listing(s): BIOL 5131, BIOL 5131S, BIOL 5131G.**BIOL 5131S Cell Biology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the structure and physiology of cells and subcellular organelles. Topics include the cell membrane and membrane transport, the extracellular matrix of the cell, the cell cytoskeleton, DNA structure and replication, transcription, translation and the regulation of gene expression. Graduate students will be given an extra assignment or an extra section on tests, as determined by the instructor, that undergraduates will not be required to do.

Cross Listing(s): BIOL 5131, BIOL 5131G, BIOL 5131H.**BIOL 5132 Molecular Genetics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines aspects of inheritance of organisms at the molecular, biochemical, cytological, organismic and population levels. Graduate students will be given an extra assignment or additional section of questions on tests that undergraduates will not be required to complete.

Cross Listing(s): BIOL 5132G.**BIOL 5134 Population/Quantitative Genetics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the dynamics of evolutionary change for qualitative and metric characters. Hardy-Weinberg equilibrium will provide a basis for further analysis of micro evolutionary "forces" of selection, drift, gene flow, and mutation. Methods for estimating heritability of metric traits and predicting the course of selection will also be introduced. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5134G.**BIOL 5142 Molecular Biotechniques****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Highlights modern discoveries in molecular genetics and their application in today's world. In addition to the body of facts associated with molecular methodology, the course will introduce students to experimental techniques such as PCR, electrophoresis, restriction enzyme digest analysis, and DNA sequencing. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5142G.**BIOL 5148 Human Genetics****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Basic principles of Mendelian inheritance and molecular genetics are applied to a systematic review of human disorders. Included are disorders of blood, connective tissue, muscles, lysosomes, lipoproteins, transport membrane and mechanisms, amino acid metabolism and the immune system. Special attention is given to diseases caused by chromosomal abnormalities. Sex determination, genetic markers, gene mapping and population genetics are also covered. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5148H, BIOL 5148G.**BIOL 5148H Human Genetics (Honors)****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Basic principles of Mendelian inheritance and molecular genetics are applied to a systematic review of human disorders. Included are disorders of blood, connective tissue, muscles, lysosomes, lipoproteins, transport membrane and mechanisms, amino acid metabolism and the immune system. Special attention is given to diseases caused by chromosomal abnormalities. Sex determination, genetic markers, gene mapping and population genetics are also covered. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5148, BIOL 5148G.**BIOL 5210 Comparative Animal Physiology Laboratory****1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.**

Laboratory study of the basic physiological processes of animals, with integrated studies of molecular, cellular, metabolic and organ-system functions. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5210G.**BIOL 5230 Comparative Animal Physiology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A comparative review of the function and regulation of the major organ systems in animals. Topics include homeostasis, membrane transport, osmoregulation, and energetics. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5230G, BIOL 5230H.**BIOL 5230H Comparative Animal Physio- Hon****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A comparative review of the function and regulation of the major organ systems in animals. Topics include homeostasis, membrane transport, osmoregulation, and energetics. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5230, BIOL 5230G.

BIOL 5237 Physiological Ecology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines how physiological adaptations of animals and plants to abiotic environmental factors (e.g., temperature, salinity, moisture, ultraviolet radiation) contribute to the understanding of local species diversity, biogeographic patterns, and habitat exploitation. Emphasis is placed on how physiological function (e.g., osmoregulation, thermoregulation, gas exchange, energy use) interfaces with ecology and evolutionary biology. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5237G.**BIOL 5239 Neurobiology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the mechanisms of neural responses, neural integration, neural development, and environmental effects on developing mature nervous systems. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5239G, BIOL 5239H, BIOL 5239S.**BIOL 5239H Neurobiology (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the mechanisms of neural responses, neural integration, neural development, and environmental effects on developing mature nervous systems. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5239, BIOL 5239G, BIOL 5239S.**BIOL 5239S Neurobiology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the mechanisms of neural responses, neural integration, neural development, and environmental effects on developing mature nervous systems. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5239, BIOL 5239H, BIOL 5239G.**BIOL 5240 Histology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Examines the origin, development, structure and function of vertebrate tissues. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5240G.**BIOL 5241 Comparative Vertebrate Anatomy****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

A comparative and functional study of the morphological systems of vertebrates. Laboratory emphasizes dissection of representative vertebrate groups. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5241G.**BIOL 5243 Toxicology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

An introduction to the principles of toxicology with a focus on the toxicology of aquatic organisms. Topics include risk assessment, regulatory toxicology, mutagenesis, teratology, and toxicology of the nervous and reproductive systems. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5243G.**BIOL 5244 Insect Physiology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

An introduction to insect physiology. Topics include ingestion and utilization of food, reproduction, water balance, muscles, sensory systems and pheromones. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5244G.**BIOL 5246 Human Pathophysiology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

A selective survey of causes and effects of disease in humans at the molecular, cellular, and systemic level. Selected topics include cellular malfunctions, altered cell environments, cancer biology, and the pathophysiology of the nervous, endocrine, cardiovascular, pulmonary, and renal organ systems. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5246G.**BIOL 5247 Endocrinology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

A study of endocrine mechanisms, including their evolution and importance at various levels of biological organization. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5247G.**BIOL 5248 Immunology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

A detailed study of the mammalian immune system emphasizing the experimental basis of current immunological theories. Topics include antigen antibody interactions, organization and expression of immunoglobulin genes, complement, major histocompatibility complex, antigen processing and presentation, and generation of humoral and cellular immune responses. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5248G.**BIOL 5333 Emerging Diseases****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of the epidemiology of emerging and re-emerging human diseases throughout the world, but with emphasis on the situation in North America. New and resurging diseases caused by prions, viruses, bacteria, protozoa, fungi, arthropods, and helminths will be discussed, including some vector-borne and tropical diseases. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5333H, BIOL 5333G.**BIOL 5333H Emerging Diseases (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of the epidemiology of emerging and re-emerging human diseases throughout the world, but with emphasis on the situation in North America. New and resurging diseases caused by prions, viruses, bacteria, protozoa, fungi, arthropods, and helminths will be discussed, including some vector-borne and tropical diseases. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5333, BIOL 5333G.**BIOL 5340 Plant Pathology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

A broad introduction to representative common plant diseases and disorders with emphasis on diagnoses, causes, epidemiology, and methods of control. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5340G.**BIOL 5341 Parasitology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

A study of the general principles of parasitism, with emphasis on morphology, classification, identification, and life cycles of parasites of vertebrates. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5341G.

BIOL 5343 Medical-Veterinary Entomology**4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

An intensive study of the role of arthropods in the transmission, dissemination and causation of diseases of humans and animals. Topics include identification of vector arthropods and associated diseases, ecology, and control. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5343G.**BIOL 5345 Systematic Biology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Introduces the principles and methods of biosystematics. Speciation, bio-nomenclature, hierarchical taxonomic categories, systematic characters, molecular systematics, and phylogenetic analyses are discussed. Laboratories involve use of modern molecular techniques and computational analysis with a variety of software packages. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5345G.**BIOL 5431 Virology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the biology of viruses, with emphasis on viral diversity, virus-host interactions, viral diseases of humans, animals and plants and uses of viruses in medicine, research and biocontrol. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5431G.**BIOL 5432 Deep Sea Environments****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the current knowledge about hydrothermal systems in terms of their deep-sea environment and their geological and chemical makeup. Emphasis is placed on studying symbiotic relationships, reproductive biology, larval dispersal, thermal tolerances, sulfide and sensory adaptations by organisms found in non-vent, vent, and cold seep environments. Graduate students will be assigned extra readings from the current and classical peer-reviewed literature pertaining to the deep sea environment.

Prerequisite(s): BIOL 2107 and BIOL 2108.**Cross Listing(s):** BIOL 5432G.**BIOL 5441 Mycology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Broad introduction to various taxonomic groups of Fungi, emphasizing morphology, taxonomy, evolution, physiology, and economic importance. Selected mycolic diseases and symbiotic relationships in nature will be explored. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5441G.**BIOL 5442 Entomology****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Examines the phylogeny, morphology, life history and ecology of insects. Identification of local species will be emphasized. Field trips required. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5442G.**BIOL 5443 Identification and Taxonomy of Vascular Plants****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

This course teaches the identification and taxonomy of the vascular plants, with an emphasis on the southeastern United States. Lectures, laboratories, and field trips cover the evolution, classification, identification, collection, and preservation of vascular plants. Graduate students are given extra assignments not required of undergraduates.

Cross Listing(s): BIOL 5443G.**BIOL 5444 Ichthyology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Emphasizes the systematics, evolution, biology, ecology and behavior of recent and extinct fishes. Laboratory emphasizes the identification, morphology, and natural history of fishes. Field trips required. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5444G.**BIOL 5445 Herpetology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Examines the phylogeny, morphology, life history and ecology of reptiles and amphibians. Field identification of local species will be emphasized. Field trips required. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5445G.**BIOL 5446 Ornithology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

A comprehensive study of the biology of birds. Lectures will emphasize the evolution, classification, structure, physiology, behavior, and ecology of birds. Laboratories will give hands-on experience with bird morphology, and field trips will emphasize finding and identifying birds in their natural habitats. Graduate students are given extra assignments not required of undergraduates.

Cross Listing(s): BIOL 5446G.**BIOL 5448 Mammalogy****0,4 Credit Hours. 0,4 Lecture Hours. 0,3 Lab Hours.**

Course examines the classification, evolution, distribution and life histories of mammals. The laboratory includes identification and preparation of specimens and development of field techniques. Field trips required. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5448G.**BIOL 5530 Wildlife Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the principles and practices used to manage wildlife populations. The emphasis is on populations of importance to humans, particularly game animals. Students will explore the factors, both biotic and abiotic, that influence wildlife populations and how these factors can be managed to sustain game and nongame wildlife populations. Graduate students are given extra assignments not required of undergraduates.

Cross Listing(s): BIOL 5530G.**BIOL 5532 Evolution****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Covers the historical development of evolutionary thought and focuses on current issues in evolution. Emphasis is placed on the perceived importance of natural selection, mechanisms of speciation, the history of life on Earth, and human evolution. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5532H, BIOL 5532G.**BIOL 5532H Evolution-Honors****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Covers the historical development of evolutionary thought and focuses on current issues in evolution. Emphasis is placed on the perceived importance of natural selection, mechanisms of speciation, the history of life on Earth, and human evolution. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5532, BIOL 5532G.

BIOL 5534 Conservation Biology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores the causes and consequences of the loss of biodiversity, as well as methods for conserving rare species and ecosystems. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5534G.**BIOL 5537 Biogeography****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the distributional patterns of animals and plants from the perspectives of vicariance biogeography and organismal dispersal. One field trip required. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5537G.**BIOL 5540 Ecology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Reviews basic ecological principles and current hypotheses relevant to biological organisms from the level of the population to ecosystems. Application of mathematic models to biological processes is emphasized. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5540G.**BIOL 5541 Tropical Marine Biology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

This is an intensive 2-week field course conducted at a tropical marine field station. Through daily lectures and field excursions, students are exposed to the natural history and ecology of a variety of marine organisms and ecosystems that may include mangroves, seagrasses, rocky shores and coral reefs. Additional fees required. Graduate students are given extra assignments not required of undergraduates.

Cross Listing(s): BIOL 5541S, BIOL 5541G.**BIOL 5541S Tropical Marine Biology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

This is an intensive 2-week field course conducted at a tropical marine field station. Through daily lectures and field excursions, students are exposed to the natural history and ecology of a variety of marine organisms and ecosystems that may include mangroves, sea grasses, rocky shores and coral reefs. Additional fees required. Graduate students are given extra assignments not required of undergraduates.

Cross Listing(s): BIOL 5541, BIOL 5541G.**BIOL 5542 Aquatic Ecology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Covers the biological and physiochemical factors that affect common organisms found in local aquatic ecosystems, including streams and rivers, wetlands, estuaries, and lakes. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5542G.**BIOL 5543 Biological Field Experience****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

A field expedition involving biological investigations of a major biome or natural area. Expeditions normally require three to five weeks in the field, depending upon the habitat selected and the type of travel required. In addition to tuition, students must bear all travel expenses while in the field. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5543G.**BIOL 5544 Population Biology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

A review of the genetic consequences of evolutionary forces that impact population structure, cohesion, and persistence. Special attention is given to the behavioral, ecological, and demographic responses of populations to natural selection pressures arising from the social environment and the presence of other species in the community. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): BIOL 5544G.**BIOL 5546 Plant Ecology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Examines fundamental principles and major conceptual issues in plant ecology. Students will learn about the distinctive and often unique ways in which plants interact with the biotic and abiotic components of their environment, and how these factors affect the abundance and distribution of plants. Graduate students are given extra assignments not required of undergraduates.

Cross Listing(s): BIOL 5546G.**BIOL 5547 Marine Ecology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Course stresses ecological processes and adaptations that act to structure coastal associations and permit their persistence through time. The course provides a background for students interested in research in the marine sciences. Students will learn to develop good statistical designs and use various techniques to collect data in marine ecology. Several field trips are required. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): BIOL 2107 and BIOL 2107L and BIOL 2108 and BIOL 2108L, and BIOL 3133.**Cross Listing(s):** BIOL 5547G.**BIOL 5644 Insect Ecology****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

Examines the basic principles of ecology as they apply to insects. The ecology of insects will be investigated at the level of individuals, populations, communities and ecosystems. Emphasis will be placed on how insects interact with, and have evolved unique adaptations to, their abiotic and biotic environment. Graduate students are given extra assignments not required of undergraduates.

Cross Listing(s): BIOL 5644G.**BIOL 5645 Behavioral Ecology****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

An advanced course on how evolution and ecology shape behavior. Through lectures, discussions of papers from the primary literature, field trips with experiments related to recent topics covered in class, and presentations on their research, students will be immersed in the field of behavioral ecology. The laboratory will emphasize techniques used to study behavioral ecology and provide students an opportunity to conduct their own research projects. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): BIOL 2107 and BIOL 2107L and BIOL 2108 and BIOL 2108L and BIOL 3635.

BUSA Business Administration

BUSA 1105 Introduction to Business**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey course that acquaints beginning college students with the major institutions and practices in the business world, provides an understanding of basic business concepts, and presents a view of career opportunities that exist in business.

Cross Listing(s): BUSA 1105H and BUSA 1105S.

BUSA 1105H Introduction to Business**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey course that acquaints beginning college students with the major institutions and practices in the business world, provides an understanding of basic business concepts, and presents a view of career opportunities that exist in business.

Cross Listing(s): BUSA 1105 and BUSA 1105S.**BUSA 1105S Introduction to Business****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey course that acquaints beginning college students with the major institutions and practices in the business world, provides an understanding of basic business concepts, and presents a view of career opportunities that exist in business.

Cross Listing(s): BUSA 1105 and BUSA 1105H.**BUSA 1131 Financial Survival Skills****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An overview of the issues relating to managing your finances throughout your life. Attention will be given to career planning, budgeting, credit cards, loans, lease vs. purchase for automobiles and housing, saving for retirement and risk management with insurance.

BUSA 3100 Essentials of Peer Advising**0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.**

This block course will prepare students to become peer advisors in the College of Business Administration. The course will teach students paraprofessionals skills and knowledge to allow them to serve other students in a peer advising role. The professional staff/instructor has the obligation to provide the essential theoretical and practical information necessary for students to effectively carry out their responsibilities. Specifically peer advisors will be provided with the information necessary to (1) give guidance to pre-business students regarding academic procedures and policies, (2) offer knowledgeable referrals to university resources available to address academic questions and issues, and (3) help pre-business students better understand and prepare for the advisement process. Cannot be applied to any COBA major or minor.

BUSA 3131 Business Statistics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This introductory course covers the concepts and techniques concerning exploratory data analysis, descriptive statistics, probability distributions, sampling and sampling distributions, statistical inference methods including confidence interval and hypothesis testing, and an introduction of categorical data analysis. Students will learn how these topics apply to and can be used in business, using both manual computations and statistical software.

Prerequisite(s): A minimum grade of "C" in CISM 2530, and MATH 1232 or MATH 1441 or a minimum grade of "B" in MATH 1111.**Cross Listing(s):** BUSA 3131H and BUSA 3131S.**BUSA 3131H Business Statistics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This introductory course covers the concepts and techniques concerning exploratory data analysis, descriptive statistics, probability distributions, sampling and sampling distributions, statistical inference methods including confidence interval and hypothesis testing, and an introduction of categorical data analysis. Students will learn how these topics apply to and can be used in business, using both manual computations and statistical software.

Prerequisite(s): A minimum grade of "C" in CISM 2530, and MATH 1232 or MATH 1441 or a minimum grade of "B" in MATH 1111.**Cross Listing(s):** BUSA 3131 and BUSA 3131S.**BUSA 3131S Business Statistics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This introductory course covers the concepts and techniques concerning exploratory data analysis, descriptive statistics, probability distributions, sampling and sampling distributions, statistical inference methods including confidence interval and hypothesis testing, and an introduction of categorical data analysis. Students will learn how these topics apply to and can be used in business, using both manual computations and statistical software.

Prerequisite(s): A minimum grade of "C" in CISM 2530, and MATH 1232 or MATH 1441 or a minimum grade of "B" in MATH 1111..**Cross Listing(s):** BUSA 3131 and BUSA 3131H.**BUSA 3132 Applied Statistics and Optimization****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on more advanced models including correlation, simple and multiple regression analysis, time series and forecasting, and optimization models. Computer software will be used to assist in modeling and analysis. Students will learn to apply these techniques to solve business problems.

Prerequisite(s): A minimum grade of "C" in BUSA 3131.**Cross Listing(s):** BUSA 3132H.**BUSA 3132H Applied Statistics and Optimization****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on more advanced models including correlation, simple and multiple regression analysis, time series and forecasting, and optimization models. Computer software will be used to assist in modeling and analysis. Students will learn to apply these techniques to solve business problems.

Prerequisite(s): A minimum grade of "C" in BUSA 3131.**Cross Listing(s):** BUSA 3132.**BUSA 3134 Accounting for Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Presents the internal and independent audit functions, demonstrating how they assist managers in organizations. Accounting information is used to enhance management decision making in a variety of business contexts, such as analyzing an annual report and making product pricing decisions for both internal and external customers.

Prerequisite(s): ACCT 2030 or ACCT 2101 and ACCT 2102.**BUSA 3610 Honors Research Seminar****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

This seminar style course is designed to acquaint COBA Honors students with the scientific method and how it is used in business to advance knowledge of the business disciplines. In this course, students will examine the various options for the Honors Thesis/Capstone Project in COBA. With the assistance of the COBA Honors Advisory Council and keeping in mind the personal and professional aspirations articulated in the Honors Business Philosophy Seminar taken the previous semester, the course will culminate with each student selecting an honors thesis topic and a thesis faculty advisor. Students will create an Honors Thesis Proposal and an Honors Thesis Completion Action Plan as part of the course.

Cross Listing(s): BUSA 3610H.**BUSA 3610H Honors Research Seminar****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

This seminar style course is designed to acquaint COBA Honors students with the scientific method and how it is used in business to advance knowledge of the business disciplines. In this course, students will examine the various options for the Honors Thesis/Capstone Project in COBA. With the assistance of the COBA Honors Advisory Council and keeping in mind the personal and professional aspirations articulated in the Honors Business Philosophy Seminar taken the previous semester, the course will culminate with each student selecting an honors thesis topic and a thesis faculty advisor. Students will create an Honors Thesis Proposal and an Honors Thesis Completion Action Plan as part of the course.

Cross Listing(s): BUSA 3610.

BUSA 3620 Honors Business Seminar**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

This seminar style course is designed to allow students to explore the principles of effective business leadership through readings, discussions, in-depth interactions with business leaders, and corporate visits. Students will explore how the principles of positive psychology and servant leadership can be merged in the creation of high functioning work teams. The course will include significant coverage of leadership styles, factors that influence life satisfaction, business ethics, and sustainability. The course will culminate with each student writing a personal description of their individual business philosophy and professional goals. This course will be a lead-in to the next course in the sequence (the COBA Honors Thesis Research Seminar) in which students will design a capstone experience that will help them advance toward their individual goals.

Cross Listing(s): BUSA 3620H.**BUSA 3620H Honors Business Seminar****2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

This seminar style course is designed to allow students to explore the principles of effective business leadership through readings, discussions, in-depth interactions with business leaders, and corporate visits. Students will explore how the principles of positive psychology and servant leadership can be merged in the creation of high functioning work teams. The course will include significant coverage of leadership styles, factors that influence life satisfaction, business ethics, and sustainability. The course will culminate with each student writing a personal description of their individual business philosophy and professional goals. This course will be a lead-in to the next course in the sequence (the COBA Honors Thesis Research Seminar) in which students will design a capstone experience that will help them advance toward their individual goals.

Cross Listing(s): BUSA 3620.**BUSA 4131 Strategic Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The major purpose of this course is to develop an understanding of the strategic management process and enable students to integrate the functional areas of business.

Prerequisite(s): A minimum grade of "C" in all of the following: BUSA 3132, FINC 3131, MGNT 3430, MKTG 3131 and MGNT 3130.**Cross Listing(s):** BUSA 4131H and BUSA 4131S.**BUSA 4131H Strategic Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The major purpose of this course is to develop an understanding of the strategic management process and enable students to integrate the functional areas of business.

Prerequisite(s): A minimum grade of "C" in all of the following: BUSA 3132 and FINC 3131 and MGNT 3430 and MKTG 3131 and MGNT 3130.**Cross Listing(s):** BUSA 4131 and BUSA 4131S.**BUSA 4131S Strategic Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The major purpose of this course is to develop an understanding of the strategic management process and enable students to integrate the functional areas of business.

Prerequisite(s): A minimum grade of "C" in all of the following: BUSA 3132, FINC 3131, MGNT 3430, MKTG 3131 and MGNT 3130.**Cross Listing(s):** BUSA 4131 and BUSA 4131H.**BUSA 4133 Modeling and Analytics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers the basic statistical concepts required for business analytics. The course covers but is not limited to multiple linear regression, logistic regression, regression diagnostics, discriminant analysis, principal components, factor analysis and ANOVA. The course will provide instruction in and utilize advanced statistical software.

Prerequisite(s): A minimum grade of "C" in BUSA 3132.**BUSA 4134 Advanced Decision Analysis and Optimization****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will cover, but will not be limited to, time series forecasting techniques, Monte Carlo simulation, decision theory, linear, integer, goal and non-linear programming. The focus will be on formulation of models and interpretation of results rather than on the underlying theory. A combination of software packages will be used including utilization of software. Emphasis will be placed on the decision making process and analysis of business problems.

Prerequisite(s): A minimum grade of "C" in BUSA 3132 and BUSA 4133.**BUSA 4700 Cooperative Education****0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

An opportunity to gain work experience related to academic major, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program. The co-op program is coordinated administratively by the Office of Career Services. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of the student. An S/U grade is assigned for each work assignment on the basis of the employer's evaluation only.

BUSA 4790 Internship in Business**3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A supervised work-study program in selected business firms throughout the southeast.

BUSA 4799 Peer Advising**0-2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Practicum in advising focuses on BBA students (1) providing guidance to pre-business students in understanding academic procedures and policies, (2) offering knowledgeable referrals to university resources available to address academic questions and issues, and (3) helping pre-business students better understand and prepare for the advisement process. May be taken twice for up to four hours of free elective credit. Cannot be applied to any COBA major or minor.

Prerequisite(s): BBA status, minimum GPA of 3.0, approval of Associate Dean for students and a minimum grade of "B" in BUSA 3100.**BUSA 4830 Special Topics in Business****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A customized course that is under the direction of a faculty sponsor. Designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with faculty sponsor.

Cross Listing(s): BUSA 4830S.**BUSA 4830S Special Topics in Business****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A customized course that is under the direction of a faculty sponsor. Designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with faculty sponsor.

Cross Listing(s): BUSA 4830.**BUSA 4930 Undergraduate Research Practicum****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides the opportunity to pursue research within the business disciplines under faculty direction. It is expected that students in this course will produce a research paper that is accepted for presentation at an academic conference and/or accepted for publication in a peer-reviewed academic journal.

Prerequisite(s): Approval of Director of COBA Undergraduate Research.

CENG Civil Engineering

CENG 2131 Civil Engineering Fluid Mechanics **3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course covers basic concepts of fluid mechanics, and the fundamentals and applications of ideal and real fluid flow. Topics include fluid statics, conservation principles, the Bernoulli equation, fluid flow in pipes, fluid flow measurement devices, open channel flow, and basic hydraulic structures.

Prerequisite(s): A minimum grade of "C" in ENGR 2231.

CENG 2231 Surveying

0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

Principles of the level, theodolite, electronic distance measurement (EDM), total station and global positioning systems, taping, note keeping, coordinate geometry, control surveys, triangulation, trilateration, plane coordinate systems, azimuth and topographic mapping. Laboratory includes use of level, theodolite, EDM, total station, GPS, traverse closure, level net closure, topographic mapping, measuring distances and heights using coordinate geometry calculations.

Prerequisite(s): A minimum grade of "C" in MATH 1112 or MATH 1113 or MATH 1441 and ENGR 1133 or TCM 1232.

CENG 3011 Leveling Topics in Surveying

0,1 Credit Hours. 0,1 Lecture Hours. 0,1 Lab Hours.

This is a leveling course to bridge the gap between the Surveying course required for the Civil Engineering Technology and the Civil Engineering program. It includes methods for analysis and presentation of surveying and positioning data, as well as, a comprehensive field surveying project which involves the use of level, total station, and GPS.

CENG 3131 Introduction to Environmental Engineering

0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

The course is an introduction to environmental engineering. Topics include a review of the role of the United States Environmental Protection Agency (EPA) in environmental protection, mass balance, rainfall and runoff analysis, basic surface water and groundwater hydrology, water quality management, municipal solid waste and hazardous waste management, and air pollution control.

Prerequisite(s): A minimum grade of "C" in CHEM 1147.

CENG 3132 Introduction to Water and Wastewater Treatment

0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

The course is an introduction to water and wastewater treatment. Topics include sources and characteristics of water and wastewater, treatment standards, selection of different water and wastewater treatment processes, design principles for treatment units in water and wastewater treatment plants, and standard laboratory tests used to control the operation of water and wastewater treatment plants.

Prerequisite(s): A minimum grade of "C" in CENG 2131, CENG 3131.

Cross Listing(s): CENG 3132H.

CENG 3132H Intro to W&WW Treatment Honors

0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

The course is an introduction to water and wastewater treatment. Topics include sources and characteristics of water and wastewater, treatment standards, selection of different water and wastewater treatment processes, design principles for treatment units in water and wastewater treatment plants, and standard laboratory tests used to control the operation of water and wastewater treatment plants.

Prerequisite(s): A minimum grade of "C" in CENG 2131, CENG 3131.

Cross Listing(s): CENG 3132.

CENG 3133 Transportation Systems

0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

Overview of transportation engineering with respect to traffic operation and transportation planning, including mainly highway. Emphasis on design and traffic control devices with considerations of economy, safety, and environment. Laboratory involves data measurement and analysis techniques associated with transportation engineering using probability.

Prerequisite(s): A minimum grade of "C" in CENG 2231 and MATH 3337.

CENG 3135 Project Cost Analysis, Planning and Management

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course addresses various aspects of planning and management of civil engineering projects including economics, cost estimation, construction contracts, delivery methods, and scheduling. The course also covers various engineering economic topics such as time value of money and cost/benefit analysis. The probability and statistics topics relevant to civil and environmental engineering are additionally discussed along with ethical guidelines for professional conduct and code of ethics.

Prerequisite(s): A minimum grade of "C" in CENG 3233.

CENG 3231 Highway Design I

0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

This course covers different approaches to highway design, mainly based on considerations of geometric controls, structural requirements, drainage needs and costs.

Prerequisite(s): A minimum grade of "C" in CENG 2231.

Cross Listing(s): CENG 3231H.

CENG 3231H Highway Design I - Honors

3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.

This course covers different approaches to highway design, mainly based on considerations of geometric controls, structural requirements, drainage needs and costs.

Prerequisite(s): A minimum grade of "C" in CENG 2231.

Cross Listing(s): CENG 3231.

CENG 3232 Soil Mechanics

0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

This course is an introduction to soil mechanics, including an investigation of the mechanical and physical properties of soils and the relation to soil action in problems of engineering such as soil composition, index properties, classification, exploration, compaction, permeability, stress distribution, consolidation, settlement, shear strength, bearing capacity, and lateral earth pressure.

Prerequisite(s): A minimum grade of "C" in ENGR 3233.

CENG 3233 Civil Engineering Materials

0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

Introduction to materials science and basic engineering properties of common civil engineering materials including metals, soils, aggregates, Portland cement concrete, asphalt binder and asphalt concrete, wood, and masonry. Written and oral communication skills are an important part of this course.

Prerequisite(s): A minimum grade of "C" in ENGR 3233.

CENG 3242 Structural Analysis

0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

Introduction to types of structures and loads. Analysis of statically determinate and indeterminate structures by classical and other methods. The types of structures covered include beams, plane trusses, and plane frames. Topics include external and internal reactions, deflections, moving loads and influence lines, approximate methods (including portal method and cantilever method), classical slope-deflection and moment distribution methods, and an introduction to matrix method. Computational laboratory activities in support of instruction, including use of industry-standard structural analysis software.

Prerequisite(s): A minimum grade of "C" in ENGR 1731, ENGR 3233, ENGR 1133, MATH 2243, MATH 2331.

Corequisite(s): MATH 3230.

CENG 3311 Fluid Mechanics Lab**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

The laboratory includes measurement of water properties including specific weight and dynamic viscosity, use of the Bernoulli equation, pressure measurement, flow rate measurement on a pipe, open channel flow, calibration of flow-measuring, head loss in piping systems, and characteristics of centrifugal pumps.

Corequisite(s): ENGR 3235.**CENG 3331 Structural Analysis****3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.**

This course investigates the behavior of common structural systems under various loading conditions. The course focuses on the accurate analysis of statically determinate trusses, beams and frames and uses approximate methods to analyze indeterminate frames. The calculation of deflections and the effects of moving loads are also considered.

Prerequisite(s): MATH 3230 and a minimum grade of "C" in ENGR 3233.**CENG 3333 Reinforced Concrete Design****0,3 Credit Hours. 0,3 Lecture Hours. 0,1 Lab Hours.**

Course covers characteristics of concrete materials; introduction to ACI Building Code requirements for reinforced concrete; entrenchment design of slabs, beams, columns and footings.

Prerequisite(s): A minimum grade of "C" in CENG 3331.**CENG 4135 Highway Design****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This course provides an introduction to highway design based on conventional constraints including: vertical and horizontal geometry, traffic, safety, drainage, economic, and human factors.

Prerequisite(s): A minimum grade of "C" in CENG 2231 or TCM 2233.**CENG 4136 Soil Mechanics and Foundations****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Introduction to soil mechanics, including the mechanical and physical properties of soils and the relation to soil action in problems of engineering such as soil composition, index properties, classification, exploration, compaction, permeability and seepage, stress, distribution, consolidation, settlement, shear strength, bearing capacity, lateral earth pressure.

Foundation design will also be briefly introduced.

Prerequisite(s): A minimum grade of "C" in ENGR 1731, ENGR 3233.**CENG 4232 Foundation Design****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Introduction to foundation design methods, including shallow foundations, slope stability, pile foundation, and retaining walls.

Prerequisite(s): A minimum grade of "C" in CENG 3232.**CENG 4331 Structural Steel Design****0,3 Credit Hours. 0,3 Lecture Hours. 0,1 Lab Hours.**

Course includes characteristics of structural steel; introduction to AISC Load and Resistance Factor Design (LRFD) specifications; design of tension members, columns, beams, beam-columns, and connections.

Prerequisite(s): A minimum grade of "C" in CENG 3331.**CENG 4518 Introduction to Senior Project****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

This course is the first component of the senior project series of two courses designed to aid the students in successful completion of the capstone project required for the civil engineering curriculum. This first course introduces students to contemporary civil engineering considerations and professional engineering practice in a global, economic, environmental, and societal context. The course prepares students to function on multi-disciplinary teams while completing preliminary tasks required for the senior project. The importance of life-long learning and professional licensure is also addressed.

Prerequisite(s): Senior standing and Approval of Department Chair.**CENG 4539 Senior Project****3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

This course is designed to be the culmination of the undergraduate civil engineering education experience. The course draws together diverse elements of the Civil Engineering curriculum to provide an integrating experience and to develop competence in focusing both technical and nontechnical skills in solving problems. The senior project course involves design and analysis of a new or modified civil engineering project or system with demonstrated feasibility.

Prerequisite(s): A minimum grade of "C" in CENG 4518 and Approval of Department Chair.**Cross Listing(s):** CENG 4539S.**CENG 4539S Senior Project****3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

This course is designed to be the culmination of the undergraduate civil engineering education experience. The course draws together diverse elements of the Civil Engineering curriculum to provide an integrating experience and to develop competence in focusing both technical and nontechnical skills in solving problems. The senior project course involves design and analysis of a new or modified civil engineering project or system with demonstrated feasibility.

Prerequisite(s): A minimum grade of "C" in CENG 4518 and Approval of Department Chair.**Cross Listing(s):** CENG 4539.**CENG 4890 Special Problems in Civil Engineering****1-4 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.**

This course provides for specialized study in the area of Civil Engineering not otherwise covered by the CE program.

Prerequisite(s): As determined by instructor.**Cross Listing(s):** CENG 4890S.**CENG 4890S Special Problems in CE****1-4 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.**

This course provides for specialized study in the area of Civil Engineering not otherwise covered by the CE program.

Cross Listing(s): CENG 4890.**CENG 5133 Water Supply and Wastewater Collection Systems****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course covers water supply and wastewater collection systems. Topics include basic hydraulics, major and minor head losses, pipes in series and parallel, water distribution network analysis, design of water supply distribution systems, sanitary sewer collection systems, and storm sewer collection systems. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in CENG 3132 or permission of instructor.**Cross Listing(s):** CENG 5133G.**CENG 5137 Open Channels and Pumps****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

The course covers the application of principles of fluid mechanics to flow in open channels and pumps. Topics include uniform flow, flow resistance, gradually varied flow, flow transitions for open channels, pump classification, system hydraulics, pump curves and duty points, and water and wastewater pumping stations. The course additionally addresses open channel design, and pump station design. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in CENG 2131 or permission of instructor.**Cross Listing(s):** CENG 5137G.

CENG 5139 Advanced Water and Wastewater Treatment**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

The course covers advanced water and wastewater treatment processes necessary for designing and managing modern drinking water and wastewater treatment plants. Topics include ion exchange, ozonation, adsorption, membrane, Biological Nutrients Removal (BNR), Membrane Biological Reactor (MBR), disinfection, sludge treatment and disposal, wastewater reclamation and reuse, and effluent disposal. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in CENG 3132 or permission of instructor.

Cross Listing(s): CENG 5139G.

CENG 5231 Pavement Analysis and Design**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course provides an introduction to different approaches to pavement analysis and design, including flexible and rigid pavement design, preservation, rehabilitation, and management. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in CENG 3232, CENG 3233 or permission of instructor.

Cross Listing(s): CENG 5231G.

CENG 5232 Foundation Design**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course provides an introduction to foundation design methods, including shallow foundations, slope stability analysis, pile foundations, and retaining walls. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in CENG 3232 or permission of instructor.

Cross Listing(s): CENG 5232G.

CENG 5234 Asphalt Mix Design**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course is an introduction to contemporary materials and engineering properties of asphalt binders, modified binders, and asphalt mixtures including: modern binder and mixture specifications, mix design systems and test methods. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in CENG 3233 or permission of instructor.

Cross Listing(s): CENG 5234G.

CENG 5331 Advanced Structural Analysis**3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.**

This course covers the analysis of statically indeterminate structures. Classical methods, such as the slope-deflection and moment distribution techniques are presented. The course additionally covers the matrix-based stiffness method of analysis for indeterminate trusses, beams, and frames. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in CENG 3331, MATH 2331, ENGR 1731 or permission of instructor.

Cross Listing(s): CENG 5331G.

CENG 5332 Prestressed Concrete Design**3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.**

This course introduces students to the design of common prestressed concrete elements. It presents historical developments, the properties of constituent materials, prestress losses, and the design of prestressed structural members to support flexural and shear loadings. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in CENG 3333 or permission of instructor.

Cross Listing(s): CENG 5332G.

CENG 5336 Introduction to Finite Elements**3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.**

This course provides an introduction to the Finite Element Method, focusing on common elements and problems encountered in civil engineering practice. The course illustrates useful concepts and procedures associated with linearly behaving static structures, modeled by using truss, beam, plane, and plate elements. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in CENG 5331 or permission of instructor.

Cross Listing(s): CENG 5336G.

CHEM Chemistry

CHEM 1030 Chemistry and Your World**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the many ways in which chemistry affects their lives. Topics include plastics, nutrition, drug design and the many aspects of environmental chemistry. Decision-making activities related to real-world societal issues will help develop critical thinking skills.

CHEM 1040 Chemistry and the Environment**0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Students will study the fundamental aspects of chemistry in its political, economic, social, and international context. The laboratory will be a primary component of the course in that some of the course material will be first experienced in the laboratory. The laboratory will stress experimental design and data analysis as applied to environmental science.

CHEM 1145 Principles of Chemistry I**0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Introduces students to many of the basic concepts of chemistry, emphasizing chemical structure. Beginning at the atom, the course evolves to a consideration of chemical bonding and intermolecular forces, ending with phase changes; the chemical reactions involving changes in the states of matter.

Cross Listing(s): CHEM 1145H.**CHEM 1145H Principles of Chemistry I****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Introduces students to many of the basic concepts of chemistry, emphasizing chemical structure. Beginning at the atom, the course evolves to a consideration of chemical bonding and intermolecular forces, ending with phase changes; the chemical reactions involving changes in the states of matter.

Cross Listing(s): CHEM 1145.**CHEM 1146 Principles of Chemistry II****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Completes the introduction to chemistry, focusing on advanced topics of chemical reactivity (including kinetics, thermodynamics and equilibrium) and concludes with a detailed look at the applications of chemistry to a variety of issues and problems in society.

Prerequisite(s): A minimum grade of "C" in CHEM 1145.**Cross Listing(s):** CHEM 1146H.**CHEM 1146H Principles of Chemistry II****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Completes the introduction to chemistry, focusing on advanced topics of chemical reactivity (including kinetics, thermodynamics and equilibrium) and concludes with a detailed look at the applications of chemistry to a variety of issues and problems in society.

Prerequisite(s): A minimum grade of "C" in CHEM 1145.**Cross Listing(s):** CHEM 1146.**CHEM 1147 Comprehensive General Chemistry****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Fundamental laws and theories of chemical reactions. Topics include atomic structure, bonding, theory, stoichiometry, properties of matter; chemical thermodynamics, electrochemistry and kinetics. Prior completion of a high school chemistry course is highly recommended.

CHEM 1151 Survey of Chemistry I**0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

First course in a two-semester sequence covering elementary principles of general, organic and biochemistry designed for allied health professional majors. Topics to be covered include elements and compounds, chemical equations, nomenclature, and molecular geometry. Laboratory exercises supplement the lecture material.

CHEM 1152 Survey of Chemistry II**0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Second course in a two-semester sequence covering elementary principles of general, organic and biochemistry designed for allied health professions majors. Laboratory exercises supplement the lecture material.

Prerequisite(s): A minimum grade of "C" in CHEM 1151 or CHEM 1146.**CHEM 1211K Principles of Chemistry I****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

First course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Topics to be covered include composition of matter, stoichiometry, periodic relations, and nomenclature. Laboratory exercises supplement the lecture material.

Prerequisite(s): A minimum grade of "C" in MATH 1111.**Cross Listing(s):** CHEM 1145.**CHEM 1212K Principles of Chemistry II****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Second course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Laboratory exercises supplement the lecture material.

Prerequisite(s): A minimum grade of "C" in all of the following: CHEM 1145, CHEM 1211K.**CHEM 2030 Principles of Chemistry Research****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A course designed to develop basic research and laboratory skills in chemistry majors. Skills to be covered include literature and scientific writing, scientific ethics, report writing, presentation skills, waste handling, chemical labeling, MSDS sheets, and appropriate use of common equipment. Additional topics to be covered include career options for chemists and resume/interviewing skills.

Prerequisite(s): A minimum grade of "C" in CHEM 1146.**CHEM 2242 Analytical Chemistry****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

The study of modern quantitative determination methods, including volumetric and gravimetric analyses, equilibrium calculations, and acid/base chemistry, as well as the fundamental theory of chromatography, spectroscopy, and electrochemistry.

Prerequisite(s): A minimum grade of "C" in CHEM 1146 and prior or concurrent enrollment in CHEM 2030.**Cross Listing(s):** CHEM 2242H.**CHEM 2242H Analytical Chemistry (Honors)****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

The study of modern quantitative determination methods, including volumetric and gravimetric analyses, equilibrium calculations, and acid/base chemistry, as well as the fundamental theory of chromatography, spectroscopy, and electrochemistry.

Prerequisite(s): A minimum grade of "C" in CHEM 1146 and CHEM 2030.**Cross Listing(s):** CHEM 2242.**CHEM 2541 Bioanalytical Chemistry****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

This course deals with the analysis of molecules in biological systems. It is designed to provide students with in-depth information on several instrumental analytical techniques and to promote integration of analytical thinking when dealing with biological systems. Topics include chemical and biochemical analysis of biomolecules, instrumental techniques of analysis, isolation and purification of biomolecules, applications of bioanalytical chemistry in medicine, biotechnology, and forensic science. The interpretation and significance of analytical data will be illustrated by selected case studies and data collected by the students themselves in the laboratory sessions that will run concurrently with the course.

Prerequisite(s): A minimum grade of "C" in CHEM 1146 and CHEM 2030.**CHEM 3020 Scientific Glassblowing****2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

Develops the fundamental glassblowing skills required for the construction of glassware used in scientific investigations.

Prerequisite(s): Junior standing and science major required.**CHEM 3090 Special Topics in Chemistry****0-5 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours.**

An intensive study in a specialized field of chemistry. Provides an in-depth look at an area of special interest which is not a part of the standard coursework in chemistry.

Prerequisite(s): Permission of instructor required.

CHEM 3140 Advanced Inorganic Chemistry**0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Introduces students to a broad overview of modern inorganic chemistry. Included are considerations of molecular symmetry and group theory, bonding and molecular orbital theory, structures and reactivities of coordination compounds, organometallic chemistry, catalysis and transition metal clusters. Laboratory experiences will include the measurement of several important features of coordination compounds, such as their electronic spectra and paramagnetism, as well as the synthesis and characterization of organometallic compounds.

Prerequisite(s): A minimum grade of "C" in CHEM 3342 and CHEM 2242.**CHEM 3341 Organic Chemistry I****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Introduces the fundamental concepts of structure and reactivity of organic compounds. Topics covered include the chemistry of alkanes, alkyl halides, alkenes, and alcohols, as well as the concepts of reaction mechanisms, stereochemistry and spectroscopy of organic compounds.

Prerequisite(s): A minimum grade of "C" in CHEM 1146.**Cross Listing(s):** CHEM 3341H.**CHEM 3341H Organic Chemistry I (Honors)****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Introduces the fundamental concepts of structure and reactivity of organic compounds. Topics covered include the chemistry of alkanes, alkyl halides, alkenes, and alcohols, as well as the concepts of reaction mechanisms, stereochemistry and spectroscopy of organic compounds.

Prerequisite(s): A minimum grade of "C" in CHEM 1146.**Cross Listing(s):** CHEM 3341.**CHEM 3342 Organic Chemistry II****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

A continuation of CHEM 3341 focusing on alkynes, aromatic compounds, aldehydes, ketones, amines, and carboxylic acids and their derivatives. Emphasizes the synthetic and mechanistic aspects of these compounds and will continue the study of spectroscopy of organic compounds.

Prerequisite(s): A minimum grade of "C" in CHEM 3341.**Cross Listing(s):** CHEM 3342H, CHEM 3342S.**CHEM 3342H Organic Chemistry II (Honors)****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

A continuation of CHEM 3341 focusing on alkynes, aromatic compounds, aldehydes, ketones, amines, and carboxylic acids and their derivatives. Emphasizes the synthetic and mechanistic aspects of these compounds and will continue the study of spectroscopy of organic compounds.

Prerequisite(s): A minimum grade of "C" in CHEM 3341.**Cross Listing(s):** CHEM 3342, CHEM 3342S.**CHEM 3342S Organic Chemistry II****0,4 Credit Hours. 0,4 Lecture Hours. 0,4 Lab Hours.**

A continuation of CHEM 3341 focusing on alkynes, aromatic compounds, aldehydes, ketones, amines, and carboxylic acids and their derivatives. Emphasizes the synthetic and mechanistic aspects of these compounds and will continue the study of spectroscopy of organic compounds.

Prerequisite(s): A minimum grade of "C" in CHEM 3341.**Cross Listing(s):** CHEM 3342, CHEM 3342H.**CHEM 3431 Introduction to Molecular Modeling****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course explores the use of computational chemistry models and their application to chemical research. Topics include the computational methods and model chemistries, single-point energy calculations, geometry optimizations, relative energies and stabilities, calculations of NMR chemical shifts, and vibrational frequency calculations among other topics.

Prerequisite(s): A minimum grade of "C" in CHEM 3341.**CHEM 3441 Chemical Kinetics & Thermodynamics****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

A survey of chemical kinetics and thermodynamics. Covers the kinetic theory of gases, rates of reaction, integrated rates, rate laws and reaction mechanisms, followed by a development of the three laws of thermodynamics, chemical and phase equilibria and solution thermodynamics.

Prerequisite(s): A minimum grade of "C" in CHEM 2242, MATH 2242, PHYS 2211, and PHYS 1113.**Cross Listing(s):** CHEM 3441H.**CHEM 3441H Chem Kinetics & Therm (Honors)****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

A survey of chemical kinetics and thermodynamics. Covers the kinetic theory of gases, rates of reaction, integrated rates, rate laws and reaction mechanisms, followed by a development of the three laws of thermodynamics, chemical and phase equilibria and solution thermodynamics.

Prerequisite(s): A minimum grade of "C" in CHEM 2242, MATH 2242, PHYS 2211, and PHYS 1113.**Cross Listing(s):** CHEM 3441.**CHEM 3442 Introduction to Quantum Chemistry****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

A development of quantum chemistry and its application in a number of relevant areas. Covers atomic structure, molecular structure, molecular spectroscopy, and statistical mechanics.

Prerequisite(s): A minimum grade of "C" in CHEM 2242, MATH 2242, PHYS 2212, and PHYS 1114.**CHEM 3530 Principles of Biochemistry****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A biochemistry course focused on the structure and function of nutrient molecules. Topics include the structure of carbohydrates, lipids, proteins, enzyme function, energetics of metabolism, and metabolic pathways relevant to nutrition.

Prerequisite(s): A minimum grade of "C" in CHEM 3342.**CHEM 3541 Biophysical Chemistry****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

This course explores the physical principles underlying the complex nature of living systems. Topics include the theory and applications of thermodynamics, equilibrium, kinetics, and molecular motion and transport as they relate to biological systems. The structure of biomolecules and the main techniques of structure determination (with emphasis on protein structure) as well as bioenergetics will also be covered.

Prerequisite(s): A minimum grade of "C" in all of the following: CHEM 5541, MATH 2242, PHYS 1114, PHYS 1112 or PHYS 2212.**CHEM 3790 Teaching Internship in Chemistry****1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Student internship in the laboratory component of CHEM 1040 (Chemistry and the Environment) under the mentorship of a faculty member. The student will participate in an introductory workshop immediately prior to the start of the semester, intern in the CHEM 1040 laboratory and meet with the faculty mentor one hour each week. One credit hour per laboratory section of CHEM 1040 in which the student interns.

Prerequisite(s): Permission of the instructor and one of the following: CHEM 2030 or CHEM 3341. 1 credit hour per laboratory section of CHEM 1040 in which the student interns.

CHEM 4130 Industrial Chemistry**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will provide an overview of the chemical industry. In addition to providing a basic understanding of the top 50 industrial chemicals, their manufacturing processes, and raw materials sources, the course will also cover the origin and manufacture of basic petroleum feed stocks and petrochemicals; catalysis; pulp and paper chemistry; polymers and plastics; adhesives, sealants, and glues; agricultural chemistry; pharmaceutical chemistry; and selected topics of importance to the industry.

Prerequisite(s): A minimum grade of "C" in CHEM 3140.**CHEM 4241 Instrumental Analysis****0,4 Credit Hours. 0,4 Lecture Hours. 0,3 Lab Hours.**

The study of modern spectroscopy and chromatography methods. The spectroscopic methods to be covered may include mass spectrometry, ultraviolet/visible spectroscopy, fluorescence spectroscopy, atomic spectroscopy, infrared spectroscopy and raman spectroscopy. The chromatographic methods to be covered may include gas chromatography, liquid chromatography, supercritical fluid chromatography, thin-layer chromatography and capillary zone electrophoresis.

Prerequisite(s): A minimum grade of "C" in CHEM 2242.**CHEM 4242 Electrochemical Analysis****0,4 Credit Hours. 0,4 Lecture Hours. 0 Lab Hours.**

Theory and practice of modern electrochemical methods of analysis. These methods include potentiometry, coulometry, voltammetry, computer simulation and other modern forms of electrochemical analysis.

Prerequisite(s): A minimum grade of "C" in CHEM 2242.**CHEM 4243 Principles of Chemical Separations****4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.**

This course will examine theories, and models of separation with applications to the analyses of a wide range of chemical, biological, and environmental samples. Topics include high-resolution gas chromatography and high-performance liquid chromatography. Emphasis is on the theory of reverse-phase, normal-phase, ion-exchange, size-exclusion, and affinity-based separations. Instrumentation such as detectors, pumps, and columns, and data acquisition and analysis are also presented.

Prerequisite(s): A minimum grade of "C" in CHEM 2242.**CHEM 4244 Advanced NMR Spectroscopy****0,4 Credit Hours. 0,4 Lecture Hours. 0,3 Lab Hours.**

Introduces students to modern aspects of nuclear magnetic resonance spectroscopy. Details of one dimensional spectra of proton and carbon 13 will be discussed in-depth, as well as the more advanced two dimensional experiments of COSY and HETCOR. Students will gain skill with the hands on operation of the spectrometer, as well as in the spectral interpretation of complex organic and biomolecules.

Prerequisite(s): A minimum grade of "C" in CHEM 3342.**CHEM 4334 Polymer Materials****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will introduce the world of polymer materials, which have become ubiquitous in daily life. The course will cover how polymers are synthesized and characterized, the unique properties of polymers, and how polymer materials are used. Important concepts on polymer structure, molecular weight and its distribution, glass transition, and amorphous versus crystalline state will be introduced.

Prerequisite(s): A minimum grade of "C" in CHEM 3341.**CHEM 4335 Green Chemistry****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on understanding the basic principles of green chemistry and applying them to make organic reactions and processes environmentally benign. Other course topics will include the study of the earth and its atmosphere, the concept of atom economy, catalysis, and enzyme catalysis, as well as green reaction media and the use of various renewable energy sources in organic reactions.

Prerequisite(s): A minimum grade of "C" in CHEM 3342.**CHEM 4790 Chemistry Internship****1-4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Intended primarily for students who plan to seek employment in the chemical industry after graduation rather than going on to graduate or professional studies, this course will provide students with practical experience in industry and business. Students will secure employment on their own, earning academic credit and possible compensation, and gain practical experience and technical training. Students must complete a minimum of 120 hours of on-site work for each credit hour earned.

CHEM 4890 Chemical Research Experience**1-4 Credit Hours. 0 Lecture Hours. 3-12 Lab Hours.**

An independent research experience in which a student will investigate a research problem under the direction of a faculty member. All laboratory.

Prerequisite(s): Permission of instructor required.**CHEM 5233 Environmental Chemistry****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the current environmental issues and the underlying chemistry associated with them, including stratospheric chemistry, air pollution, global climate change, toxic organic chemicals, natural water systems, soil chemistry, and energy production. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CHEM 2242 and CHEM 3342.**Cross Listing(s):** CHEM 5233G.**CHEM 5331 Advanced Organic Chemistry****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A course designed to build upon the knowledge gained in CHEM 3341 (Organic I) and CHEM 3342 (Organic II). Topics covered may include considerations of structural and mechanistic organic chemistry, synthetic organic chemistry and bioorganic chemistry.

Prerequisite(s): A minimum grade of "C" in CHEM 3442.**Cross Listing(s):** CHEM 5331G.**CHEM 5332 Principles of Drug Design****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

5331GA course designed to introduce the chemistry of drug design and development, as well as drug actions and their impacts on society. Topics include drug discovery, receptor site theory, neurotransmitters, pharmacokinetics, federal drug laws, drugs in sports and individual classes of drugs.

Prerequisite(s): A minimum grade of "C" in CHEM 3342.**Cross Listing(s):** CHEM 5332G.**CHEM 5333 Carbohydrate Chemistry****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides students with an introduction to the chemistry of carbohydrates. Topics include structural aspects, stereochemistry, synthesis, conformational analysis, polysaccharides, and vaccine development.

Prerequisite(s): A minimum grade of "C" in CHEM 3342.**Cross Listing(s):** CHEM 5333G.

CHEM 5531 Bioinorganic Chemistry**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course explores the function of metal ions in biochemistry, the appropriate physical methods for studying biological metal centers, and the pathways of electron transfer in biomolecules. Topics include metal ion transport and storage, oxygen carriers, and metals in medicine. Graduate students will be given an extra assignment determined by the instructor not required of the undergraduates.

Prerequisite(s): A minimum grade of "C" in CHEM 5541.**Cross Listing(s):** CHEM 5531G.**CHEM 5541 Biochemistry I****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Surveys the fundamental principles of protein structure, enzyme mechanisms, carbohydrate structure, and the major metabolic pathways of carbohydrate metabolism. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CHEM 3342.**Cross Listing(s):** CHEM 5541H, CHEM 5541G.**CHEM 5541H Biochemistry I - Honors****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Surveys the fundamental principles of protein structure, enzyme mechanisms, carbohydrate structure, and the major metabolic pathways of carbohydrate metabolism. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CHEM 3342.**Cross Listing(s):** CHEM 5541, CHEM 5541G.**CHEM 5542 Biochemistry II****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Examines the structure and function of biological membranes, as well as additional metabolic pathways not covered in CHEM 5541, including the degradation and biosynthesis of lipids and amino acids. In addition, the course will examine nucleic acid chemistry, including DNA replication, transcription, recombinant DNA technology and related topics. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CHEM 5541.**Cross Listing(s):** CHEM 5542G.

CHFD Child and Family Development

CHFD 1131 Introduction to Family Science**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on scientific research about relationship and families across the life course. The primary objective of the course is to acquire a practical understanding of the processes of relationship and family development and a firm grounding in the concepts, facts, theories, and issues in research on them.

CHFD 2130 Family Economic Environment**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the consumer in American society, management of family financial resources, legal protection and consumer responsibility in the marketplace.

Prerequisite(s): CHFD majors only.**CHFD 2135 Child Development****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course emphasizes development from conception through the first six years. Students will review research, theory, and practice that contribute to the developmental trajectory of young children, utilizing a whole child approach.

CHFD 2135S Child Development**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Emphasis on development from conception through the first six years of life. This course reviews research, theory, and practice that contribute to a developmentally appropriate experience for the young child in a quality group setting, utilizing the whole child approach.

Cross Listing(s): CHFD 2135.**CHFD 2136 Intro to Family Services****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is designed to provide students with an interdisciplinary approach to the understanding of family services in a multicultural society. The human services profession is multifaceted and family service is one component of the multidisciplinary field. Students will become familiar with historical and theoretical orientations of the profession; the types and delivery of human services to children, adolescents, adults, and families; skills and functions of human service workers; and community resources.

Prerequisite(s): A minimum grade of "C" in CHFD 1131.**CHFD 2137 Lifespan Development****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the development of human beings from conception to the end of life. Attention is paid to the multiple social and cultural contexts within which such development occurs. Theories of human development and methods for studying development across the lifespan are also examined.

CHFD 2137S Lifespan Development**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Investigates human development throughout the lifespan as influenced by the family and society. Emphasis is placed on the physical, intellectual, and psycho-social development processes.

CHFD 3120 Research Methods in CHFD**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

A study of the basic techniques and methods of research is presented which enables students to effectively read, understand, and critique research, particularly as it pertains to the field of child and family development.

CHFD 3130 Research Methods**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the basic techniques and methods of research is presented which enables students to effectively read, understand, and critique research, particularly as it pertains to the field of child and family development.

Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD 2135.**CHFD 3131 Birth to 5 Methods****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Focusing on the characteristics of young children (6 weeks -5 years), this course teaches students how to put developmental theory into practice in a group care setting. Utilizing the Georgia Southern University Child Development Center, students will conduct observations and plan developmentally appropriate activities during their semester-long laboratory experience. Students are required to register for two laboratory sections, one preschool and one infant/toddler, along with the course.

Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD 2135 and a completion of criminal background check and finger printing procedure.**CHFD 3133 Diversity in Human Development****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course helps students understand the variability in human development. Students will be challenged to think critically while seeking to understand similarities and differences among people. Students will be encouraged to examine their multiple identities to develop greater awareness of how culture of origin influences their lived experiences.

Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD 2135.

CHFD 3134 Teaching in Pre-K and K**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This course focuses on planning and implementing a developmentally appropriate, integrated curriculum for children ages 3 to 6 in child care, preschool, and kindergarten. Curriculum planning is organized by developmental domains to ensure children's developmental needs are met in the classroom. Georgia state and NAEYC standards are used in curriculum planning. Students participate in the Georgia Southern University Child Development Center preschool program and/or a kindergarten classroom.

CHFD 3135 Youth Development**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course reviews research, theory, and practice as they relate to the physical, cognitive, language, aesthetic, and social and emotional development of children ages 6 to 18 years. Emphasis will be on current issues that relate to these years and planning and implementing developmentally appropriate youth programming. Service-learning hours required.

Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD 2135.**CHFD 3135H Mid. Child & Adolescence****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course reviews research, theory and practice as it relates to the physical, cognitive, language, and social and emotional development of children ages 6 to 18. Emphasis will be on current issues that relate to these years and the role of parent(s), family and other adults in fostering the child's development. Observation and interaction in an approved school-age childcare program required (15 hours field experience).

Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD 2135.**CHFD 3136 Adult Development and Later Life****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is designed to give students an understanding of the factors that affect individuals and families from emerging/young adulthood through late adulthood. Theories and current research on the development of adults is provided. Additional topics include changes in family function and structure, research methodologies, contemporary issues in adult development, and successful aging across the adult years.

Prerequisite(s): A minimum grade of "C" in CHFD 1131.**CHFD 3137 Introduction to Child Life****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A holistic, family centered-approach to the psychosocial and healthcare needs of hospitalized and chronically ill children ages birth to 18 years. This course includes content that will prepare students for certification as child life specialist. Service-learning hours are required.

Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD 2135.**CHFD 3138 Early and Middle Adulthood Development****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Emphasis on understanding the process of early and middle adulthood development. A firm grounding in the concepts, facts, theories, and current issues in research on early and middle adulthood development will be provided. Topics include appropriate research methods, theories of adult development, physical growth, cognitive development, personality development, and social/relationship development during early and middle adulthood.

Prerequisite(s): A minimum grade of "C" in CHFD 2135 and CHFD 2137.**Cross Listing(s):** CHFD 3138H.**CHFD 3138H Early & Middle Adulthood Dev****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Emphasis on understanding the process of early and middle adulthood development. A firm grounding in the concepts, facts, theories, and current issues in research on early and middle adulthood development will be provided. Topics include appropriate research methods, theories of adult development, physical growth, cognitive development, personality development, and social/relationship development during early and middle adulthood.

Prerequisite(s): A minimum grade of "C" in CHFD 2135 and CHFD 2137.**Cross Listing(s):** CHFD 3138.**CHFD 3139 Parent Education and Guidance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An understanding of how parents teach, guide, and influence children and adolescents as well as the changing nature, dynamics, and needs of the parent/child relationship across the lifespan.

Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD 2135.**Cross Listing(s):** CHFD 3139H.**CHFD 3139H Parenting: Fam Child Int.****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The structure, function, and process of parenting are explored. An emphasis is placed on understanding characteristics of parents and parenting behavior and their consequences on children and parent-child relationships.

Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD 2135.**Cross Listing(s):** CHFD 3139.**CHFD 3232 Sexuality in Human Development****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will provide an understanding of the physiological, psychological, and social aspects of sexual development throughout the lifespan. This class will focus on providing theory, knowledge, research, and multiple perspectives surrounding sexual behaviors.

Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD 2135.**CHFD 3234 Young Children with Special Needs****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on promoting the optimal development of young children with special needs in inclusionary settings. Building on a foundation of child development and the components of high quality early childhood programs, learners investigate needs which delay or modify the course of a child's development. The course offers an introduction to educational and intervention policies, programs, practices and services appropriate for infants, toddlers, and preschoolers who exhibit delays and disabilities. This course includes observation and application in off-campus education sites.

Prerequisite(s): A minimum grade of "C" in CHFD 3131.**CHFD 4090 Selected Topics in Child and Family Development****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Scheduled on an infrequent basis to explore new research and emerging knowledge in Child and Family Development. This course will carry a subtitle.

CHFD 4130 Administration of Programs for Children and Families**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines management and leadership principles as they apply to the administration of programs for children and youth. Topics include fiscal management, personnel management, licensure and accreditation, family engagement, marketing and public relations, and assessment and evaluation of programs.

Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 3131.

CHFD 4131 Teaching in Preschool**0,3 Credit Hours. 0,2 Lecture Hours. 0,5 Lab Hours.**

This course focuses on planning and implementing a developmentally appropriate, integrated curriculum for children ages 3 to 6 in preschool classrooms. Curriculum planning is organized by developmental domains and themes. Students will observe and participate in the Georgia Southern University Child Development Center preschool classrooms. Students are required to register for one preschool lab section.

Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 3131.

CHFD 4132 Death and Bereavement across the Lifespan**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will cover death and bereavement across the lifespan. Students will use theoretical and research-based information to explore end of life within individual and family contexts. Topics include death at different stages throughout the lifespan, grief and bereavement processes, legal aspects and diverse perspectives and rituals of death and dying.

Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 2136.

CHFD 4133 Programming and Evaluation for Family Services**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course emphasizes programming and evaluation across family and human service agencies. Topics will include nonprofit and government management needs assessment, program evaluation, and leadership skills.

Prerequisite(s): A minimum grade of CHFD 1131, CHFD 2135, CHFD 2136.

CHFD 4134 Family Life Education**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an introduction to the theoretical, ethical, and methodological issues in family life education. Utilizing research and professional practice, students will learn to develop, implement, and evaluate applied educational programs and products that address issues of individuals and families across the lifespan.

Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 3139.

CHFD 4135S Parenting: Fam Child Int**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The structure, function, and process of parenting are explored. An emphasis is placed on understanding characteristics of parents and parenting behavior and their consequences on children and parent-child relationships.

CHFD 4136 Assessment of Children**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course involves the assessment of development and learning of infants, children, and youth. A variety of tools and techniques will be used. Participation and collaboration as a team member is emphasized.

Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 3131.

CHFD 4136H Assessment of Children**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course involves the assessment of development and learning of infants, young children, and their families. A variety of tools and techniques will be used. Participation and collaboration as a team member is emphasized. (20 hours field experience).

Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 3131.

Cross Listing(s): CHFD 4136.

CHFD 4137 Psychosoc Care Child Hosp**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Special psychosocial needs of children who are hospitalized or have chronic illnesses will be identified. Students will learn to assess children (ages 0-18) in a holistic manner, focus on family-centered care, and function as part of a healthcare team. This course will, in part, prepare students for certification as a Child Life Specialist or to work with children in other treatment environments.

Cross Listing(s): CHFD 4137S.

CHFD 4137S Psychosoc Care Child Hosp**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Special psychosocial needs of children who are hospitalized or have chronic illnesses will be identified. Students will learn to assess children (ages 0-18) in a holistic manner, focus on family-centered care, and function as part of a healthcare team. This course will, in part, prepare students for certification as a Child Life Specialist or to work with children in other treatment environments.

Cross Listing(s): CHFD 4137S.

CHFD 4138 Professional Development**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course addresses essential workplace professional skills and ethical practice in careers related to Child and Family Development. An emphasis is placed on verbal and written communication skills, interview skills, job and internship placements, employment laws, application and utilization of ethical codes, and overall professionalism in the work setting.

Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 3131, CHFD 3133, CHFD 3135, CHFD 3136, CHFD 3139.

CHFD 4237 Legal and Public Policies Affecting Families**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines legal and public policies that affect families. Students will apply research, theory and developmentally appropriate knowledge to address contemporary public policy topics affecting families across the life span. Social policies will be analyzed from individualistic and familial perspectives to explore their impact on family processes.

Prerequisite(s): A minimum grade of "C" in CHFD 2135 and CHFD 2136.

CHFD 4238 Child Life Practice in Healthcare**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is designed to foster the proficiency of the individuals pursuing a career in child life. Preparation that provides a theoretical and practical base for students will allow them to build a foundation of knowledge in the core competencies of child life. Through observation and interaction, the student will gain a working knowledge of how children and families are affected by illness and hospitalization.

Prerequisite(s): Permission of Instructor Only.

CHFD 4790 Internship in Child and Family Development**9-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The CHFD internship is a supervised experience in the Child and Family Development field where the intern employs the knowledge base acquired in their course work. Students must have a 2.25 GPA to apply to intern. The internship site is selected by the student after consulting with faculty and must be approved by the internship supervisor. Students enrolled in the program must comply with regulations required by the internship site and CHFD best practices. Interns must complete all components and required hours of the internship to receive a passing grade in the course. Interns will work full-time at the internship site for the entire semester.

Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 2130, CHFD 3131, CHFD 3133, CHFD 3135, CHFD 3136, CHFD 3139, CHFD 4138.

CHFD 4899 Directed Individual Study**1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.

Prerequisite(s): Permission of Instructor.

CHIN Chinese

CHIN 1001 Elementary Chinese I

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

For students who have never studied Chinese. Focus on basic communication skills (understanding, speaking, reading, and writing Chinese) and cultural understanding. Includes laboratory program.

CHIN 1001S Elementary Chinese I

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

For students who have never studied Chinese. Focus on basic communication skills (understanding, speaking, reading, and writing Chinese) and cultural understanding. Includes laboratory program.

CHIN 1002 Elementary Chinese II

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Continued focus on basic communication skills (understanding, speaking, reading, writing Chinese) and cultural understanding, with increased emphasis on active use of the language. Includes laboratory program.

Prerequisite(s): A minimum grade of "C" in CHIN 1001.

Cross Listing(s): CHIN 1002S.

CHIN 1002S Elementary Chinese II

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Continued focus on basic communication skills (understanding, speaking, reading, writing Chinese) and cultural understanding, with increased emphasis on active use of the language. Includes laboratory program.

Prerequisite(s): A minimum grade of "C" in CHIN 1001.

Cross Listing(s): CHIN 1002.

CHIN 2001 Intermediate Chinese I

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course builds upon communication skills (understanding, speaking, reading, and writing Chinese) and cultural understanding which is developed at the elementary level.

Prerequisite(s): A minimum grade of "C" in CHIN 1002.

Cross Listing(s): CHIN 2001S.

CHIN 2001S Intermediate Chinese I

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course builds upon communication skills (understanding, speaking, reading, and writing Chinese) and cultural understanding which is developed at the elementary level.

Prerequisite(s): A minimum grade of "C" in CHIN 1002.

Cross Listing(s): CHIN 2001.

CHIN 2002 Intermediate Chinese II

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Continued building upon proficiency skills (speaking, writing, listening, and reading) and cultural understanding. Focus on development of the ability to create with the language, to resolve simple situations, and to ask and answer questions. After completing this course, successful students should be prepared to function minimally in a Chinese-speaking environment and to take CHIN upper-division courses.

Prerequisite(s): A minimum grade of "C" in CHIN 2001.

Cross Listing(s): CHIN 2002S.

CHIN 2002S Intermediate Chinese II

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Continued building upon proficiency skills (speaking, writing, listening, and reading) and cultural understanding. Focus on development of the ability to create with the language, to resolve simple situations, and to ask and answer questions. After completing this course, successful students should be prepared to function minimally in a Chinese-speaking environment and to take CHIN upper-division courses.

Prerequisite(s): A minimum grade of "C" in CHIN 2001.

Cross Listing(s): CHIN 2002.

CHIN 3030 Selected Topics in Chinese

1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Selected topics in Chinese.

Prerequisite(s): A minimum grade of "C" in CHIN 2002.

Cross Listing(s): CHIN 3030S.

CHIN 3030S Selected Topics in Chinese

1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Selected topics in Chinese.

Prerequisite(s): A minimum grade of "C" in CHIN 2002.

Cross Listing(s): CHIN 3030.

CHIN 3185S Studies Abroad: Speaking I

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is a course in oral communications in Chinese using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in CHIN 2002.

CHIN 3385S Studies Abroad: Writing I

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is a course in written communications in Chinese using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in CHIN 2002.

CHIN 4185S Studies Abroad: Speaking II

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is a course in oral communications in Chinese using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in CHIN 2002.

CHIN 4385S Studies Abroad: Writing II

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is a course in written communications in Chinese using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in CHIN 2002.

CISM Computer Infor Systems

CISM 1110 Computer Applications

1 Credit Hour. 0 Lecture Hours. 1 Lab Hour.

Provides lecture and detailed instruction in application software using word-processing, spreadsheets, database and presentation software.

Corequisite(s): CISM 1120.

Cross Listing(s): CISM 1110S.

CISM 1110S Computer Applications

1 Credit Hour. 0 Lecture Hours. 1 Lab Hour.

Provides lecture and detailed instruction in application software using word-processing, spreadsheets, database, and presentation software.

Corequisite(s): CISM 1120S.

Cross Listing(s): CISM 1110.

CISM 1120 Computer Concepts

2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

Provides an introduction of computer concepts and the evolution of computers in society. Lecture topics include computer system components, data representation & storage, software & multimedia, computer architecture, data communications & network configuration, data security & privacy, viruses, ethic, email, Internet, and the computer marketplace.

Corequisite(s): CISM 1110.

Cross Listing(s): CISM 1120S.

CISM 1120S Computer Concepts**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Provides an introduction of computer concepts and the evolution of computers in society. Lecture topics include computer system components, data representation and storage, software and multimedia, computer architecture, data communications and network configuration, data security and privacy, viruses, ethic, email, Internet, and the computer marketplace.

Corequisite(s): CISM 1110S.**Cross Listing(s):** CISM 1120.**CISM 1130 Computers and Applications****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****CISM 1131 Computer Survival Skills****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides a survey and instruction in the use of modern systems and applications software routinely used in personal, academic, and organizational computing. The purpose of the course is to aid students in becoming familiar and proficient in using common software and Internet tools. The topics address a wide variety of software available to manage personal computers; create, format, edit, convert, acquire, distribute and manage various PC and Internet file types; use and manage Web-based communications like email, FTP, IM, Chat and Blogs; effectively and efficiently use the Internet to search, acquire, research and manage Web-based content, data, and information; use established informational Web-sites for research. Other topics include PC and Internet security and risks, and recent developments in technologies and software that affect the typical computer user. This course is not a substitute for either CISM 1110, CISM 1120, or CISM 2530.

CISM 2030 Introduction to Business Programming**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides an overview of fundamental Information Systems concepts and career opportunities. Students are introduced to the characteristics of business process, enterprise systems, and SAP ERP. Students use the Alice 3D visual programming environment and Java standard edition software to learn fundamental object oriented programming concepts.

CISM 2230 Advanced Java**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course extends the fundamental principles of object-oriented programming using Java as our tool. The focus of this class is on advanced applications development. Topics include: objects, classes, inheritance, interfaces, GUI components, layout managers, events, multimedia, exception handling, and I/O files.

Prerequisites: A "C" or better in CSCI 1236 (or equivalent) and a solid understanding of data types, control structures, and algorithm design.**CISM 2530 Advanced Business Applications****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will provide students with hands-on experience in creating advanced business applications using spreadsheet and database management system (DBMS) tools. Advanced topics in word-processing and presentation tools will also be explored.

CISM 2530H Advanced Business Applications (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will provide students with hands-on experience in creating advanced business applications using spreadsheet and database management system (DBMS) tools. Advanced topics in word-processing and presentation tools will also be explored.

CISM 3131 Management Information Systems**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

An overview of the utilization of information technology in business organizations to support managerial decision making and to provide competitive advantage. This course will address the evolution of information and information technology as corporate assets, how information technology is reshaping organization structures and work processes, how it is changing business relationships among organizations, and emerging information technologies expected to significantly impact business operations in the years ahead.

CISM 3134 Data Communications**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An overview of traditional and emerging telecommunications technologies and applications in today's business environment including voice, data, and video communications. The application of business telecommunications to satisfy information system requirements is emphasized.

Cross Listing(s): CISM 3134S.**CISM 3134S Data Communications****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An overview of traditional and emerging telecommunications technologies and applications in today's business environment including voice, data, and video communications. The application of business telecommunications to satisfy information system requirements is emphasized.

Cross Listing(s): CISM 3134.**CISM 3135 Systems Analysis and Design****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces the fundamental principles of information systems analysis and design. In this course, students will learn to apply the tools and techniques commonly used by systems analysts to build and document information systems. Classical and structured tools for describing data flow, data structure, process flow, file design, input and output design, and program specifications will be studied. Object-oriented concepts and techniques will also be introduced.

CISM 3237 Visual Basic.Net Windows and Web Applications Programming**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces students to Visual Basic.Net which is a leading edge object oriented programming language that integrates with .Net platform to provide a programming component for Windows applications, as well as Internet and World-Wide-Web applications. The student will be exposed to and learn topics related to object oriented programming, strings, graphics, graphical-user-interface components, exception handling, multithreading, multimedia (audio, images, animation and video), file processing, prepackaged data structures, database processing, Internet and World-Wide-Web based client/server networking and distributed computing.

Prerequisite(s): CISM 2230.**CISM 3331 Principles of Enterprise Information Systems Security**
0,3 Credit Hours. 0,2 Lecture Hours. 0,1 Lab Hours.

An introduction to the various policy, administration, management, and technical aspects of information systems security across the enterprise. This course provides the foundation for understanding key policies and issues associated with protecting information assets; designing a consistent, reasonable information security system; identifying alternatives for determining the necessary levels of protection; and developing and administering appropriate responses to security incidents. Included are design issues for appropriate intrusion detection, disaster incidents, and reporting for various enterprise networking infrastructures.

Prerequisite(s): A minimum grade of "C" in CISM 3134.

CISM 3331S Principles of Enterprise Information Systems Security
0,3 Credit Hours. 0,2 Lecture Hours. 0,1 Lab Hours.

An introduction to the various policy, administration, management, and technical aspects of information systems security across the enterprise. This course provides the foundation for understanding key policies and issues associated with protecting information assets; designing a consistent, reasonable information security system; identifying alternatives for determining the necessary levels of protection; and developing and administering appropriate responses to security incidents. Included are design issues for appropriate intrusion detection, disaster incidents, and reporting for various enterprise networking infrastructures.

Prerequisite(s): A minimum grade of "C" in CISM 3134 and CISM 3135.
Cross Listing(s): CISM 3331.

CISM 3333 ERP Systems Using SAP**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on Enterprise Planning (ERP) using SAP R/3. Students will spend computer intensive time navigating in SAP and completing SAP lab assignments. Currency in ERP developments by subscribing to Internet newsletters on ERP or SAP developments is required. Students will also be required to complete a major ERP project and give a presentation on important recent ERP developments.

Prerequisite(s): A minimum grade of "C" in ACCT 2101 or ACCT 2030.

CISM 4134 Database Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An applied study of business databases, their design, and implementation. The focus of the course is on application development with fourth generation systems. Applications using a third generation host language and application generators are used to demonstrate concepts and techniques.

Prerequisite(s): A minimum grade of "C" in CISM 2530.

CISM 4135 Project Management and Development**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course focuses on principles and processes of project management, specifically as they relate to the development of information systems to solve business problems. The fundamentals of organizational behavior, systems theory and systems dynamics, as well as the important components of project management such as planning, organizing, directing, and controlling are covered. In addition, team building and working with others is emphasized to improve efficiency and effectiveness. The students will have an opportunity to work with current Project Management software tools to emphasize the application of these concepts.

CISM 4135S Project Mgt & Development**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course focuses on principles and processes of project management, specifically as they relate to the development of information systems to solve business problems. The fundamentals of organizational behavior, systems theory and systems dynamics, as well as the important components of project management such as planning, organizing, directing, and controlling are covered. In addition, team building and working with others is emphasized to improve efficiency and effectiveness. The students will have an opportunity to work with current Project Management software tools to emphasize the application of these concepts.

CISM 4136 Global Information Resource Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the international management of the organization's information systems function from the perspective of information as a critical organization resource and as a key to competitiveness in the global market. Emphasis will be placed on the application of technology to meet information systems requirement.

Prerequisite(s): A minimum grade of "C" in CISM 3134 and CISM 3135.
Cross Listing(s): CISM 4136S.

CISM 4136S Global Information Resource Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the international management of the organization's information systems function from the perspective of information as a critical organization resource and as a key to competitiveness in the global market. Emphasis will be placed on the application of technology to meet information systems requirement.

Prerequisite(s): A minimum grade of "C" in CISM 3134 and CISM 3135.
Cross Listing(s): CISM 4136.

CISM 4237 Business Intelligence**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an introduction to business intelligence and business analytics. Students will be exposed to recent technological developments in these areas, as well as best practices.

Prerequisite(s): A minimum grade of "C" in ACCT 2101.
Cross Listing(s): CISM 4237H.

CISM 4237H Business Intelligence (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an introduction to business intelligence and business analytics. Students will be exposed to recent technological developments in these areas, as well as best practices.

Prerequisite(s): A minimum grade of "C" in ACCT 2101.
Cross Listing(s): CISM 4237.

CISM 4238 Network Administration**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An applied study of the problems inherent in the maintenance and management of the heterogeneous networking environments prevalent in the modern business enterprise. Emphasis will be placed on acquiring and integrating the practical management/technical skills that define the effective networking specialist.

Prerequisite(s): A minimum grade of "C" in CISM 3134.
Cross Listing(s): CISM 4238S.

CISM 4238S Network Administration**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An applied study of the problems inherent in the maintenance and management of the heterogeneous networking environments prevalent in the modern business enterprise. Emphasis will be placed on acquiring and integrating the practical management/technical skills that define the effective networking specialist.

Prerequisite(s): A minimum grade of "C" in CISM 3134.
Cross Listing(s): CISM 4238.

CISM 4239 Advanced Business Analytics with SAP HANA**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course covers advanced practices and concepts in the areas of business intelligence and business analytics. The course will emphasize more the data foundation required to support business intelligence and business analytics, rather than associated applications. Special emphasis will be given to the SAP HANA big data platform.

Prerequisite(s): A minimum grade of "C" in CISM 4134 and CISM 4237.

CISM 4332 Electronic Business**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the linkage between organizational strategy and networked information technologies to implement a rich variety of business models in national and global contexts connecting individuals, business, governments, and other organizations to each other. The course examines e-business strategy and the development and architecture of e-business solutions and their components.

Prerequisite(s): CISM 2230 and CISM 3134, MKTG 3131.

CISM 4333 Human Resource Information Systems**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of how human resource information systems are applied in organizations to support organizational strategy, improve efficiency and flexibility, increase productivity and performance, and ensure compliance with employment law. The focus will be on merging computer technology with a strategic human resource management perspective.

Prerequisite(s): A minimum grade of "C" in MGNT 3334.**Cross Listing(s):** MGNT 4333 and MGNT 4333S.**CISM 4335 Advanced Business Applications Programming (ABAP) for the SAP/ERP System****3 Credit Hours. 2 Lecture Hours. 1 Lab Hour.**

This course provides an overview of the ABAP programming language for the SAP enterprise resource planning system. Students will learn how to access database tables, design input screen selections and generate output list reports. Students will write a variety of beginning and intermediate level programs using the ABAP workbench, ABAP objects, and data dictionary tools. Modular programming technique such as subroutines, function modules, and events will also be discussed.

Prerequisite(s): A minimum grade of "C" in all of the following: CISM 2230 and CISM 3333 and prior to or concurrent enrollment in CISM 4134 and IT 3233.**CISM 4336 ERP and Enterprise Performance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides an overview of Enterprise Resources Planning (ERP) systems and their impact on organizations. Organizational interest in integrated enterprise information systems and the factors that drive businesses to select and implement these solutions are addressed. Research evidence demonstrating the impact of ERP systems on enterprise performance is reviewed and students gain further understanding of the integrative nature of ERP systems by completing exercises using simulated ERP environments.

Prerequisite(s): A minimum grade of "C" in ACCT 2101 or ACCT 2030; Pre-business and undeclared students must meet the requirements for BBA status; Completion of MGNT 3430 and CISM 3333 is required.**CISM 4434 Enterprise System Configuration****0,3 Credit Hours. 0,2 Lecture Hours. 0,1 Lab Hours.**

This course focuses on configuring and testing an Enterprise Resource Planning (ERP) system for use in a large organization. Students learn how to setup a trading company from the ground up using SAP R/3. Throughout the semester, students will create and test the organizational structure, master data and business rules to integrate different functional business processes such as purchasing, sales, distribution, logistics, accounts payable, accounts receivable, etc. Students can also be expected to complete a major project working in cross-functional teams to configure and test an ERP system.

Prerequisite(s): A minimum grade of "C" in CISM 3333.**CISM 4435 ERP Web Portal Customization and Collaboration using SAP NetWeaver****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on how and why web-based ERP systems such as SAP Enterprise Portals are customized to extend their support of business processes. The course applies web portal customization and collaboration tools to illustrate key course concepts. The characteristics and benefits of enterprise web portals are examined along with the tools and processes used to implement and measure their success.

Prerequisite(s): A minimum grade of "C" in CISM 3333.**CISM 4436 SAP TERP10 Review****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is a preparation course for the TERP10 SAP Academy Certification. Recommended for students who have completed 2 or more SAP approved courses toward earning their SAP Certificate.

Prerequisite(s): A minimum grade of "C" in ACCT 2101, ACCT 2030, CISM 3333, CISM 4336 and CISM 4434.**CISM 4437 Data Mining for Business Analytics****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Basic data mining techniques as applied within a business context. The following topics will be covered: predictive modeling, classification, pattern detection, clustering, and text and web mining.

Prerequisite(s): A minimum grade of "C" in BUSA 3131.**CISM 4790 Internship in Information Systems****3,6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A supervised work-study program in selected business firms throughout the southeast.

Prerequisite(s): Minimum institution GPA of 2.5 and permission of Department Chair or Internship Director.**CISM 4830 Special Problems in Information Systems****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that is under the direction of a faculty sponsor. This course is designed to offer students an opportunity to pursue studies or topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with the faculty sponsor.

Prerequisite(s): Senior standing.**CISM 4890 Directed Study in Information Systems****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Designed for independent study and research in selected areas of information systems under faculty supervision.

Prerequisite(s): Permission of Department Chair.

CLAS College Lib Arts/Soc Sc

CLAS 4700 Cooperative Education**0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Cooperative educational experiences are coordinated by the Office of Career Services. Students must have earned a 2.5 AGPA and have earned 18 semester hours of credit toward the major to apply.

COED PBB Practicum

COED 3610H Honors Research Seminar in Education**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

A seminar course to prepare undergraduate teacher education students to conduct research projects in education. Reserved for teacher education students in the University Honors Program or others seeking educational research experience as an undergraduate.

Prerequisite(s): A minimum grade of "C" in EDUC 2110, EDUC 2120, EDUC 2130; and permission of instructor.

COML Comparative Literature

COML 2531 Crossing Borders**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is the foundation course for the Minor in Comparative Literature. It is designed as a transcultural, interdisciplinary course in which students discover and analyze English and other national literatures in translation. Course includes guest lecturers from a number of related disciplines.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**COML 3090 Selected Topics****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Selected topics in comparative literature.

COML 3530 Literary Translation**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the history and theory of literary translation. Emphasis on practical problems and techniques, with exercises culminating in the translation of a foreign language text appropriate to the student's interests and abilities.

COML 5330 World Drama to Romanticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of representative works of dramatic literature, primarily of the western world, from Aeschylus through Beaumarchais, excluding English drama. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5330, ENGL 5330G, COML 5330G.

COML 5530 The Bible as Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of the literary dimension of the English Bible. Major emphasis is upon the literary themes, types, personalities, and incidents of the Old and New Testaments. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in ENGL 2111 and ENGL 2131.

Cross Listing(s): COML 5530G, ENGL 5530, ENGL 5530G, RELS 5530, RELS 5530G.

COML 5533 Literary Criticism and Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An historical survey of literary criticism and theory from antiquity to modern times. Literary criticism considers issues important for all students of literature, such as the value of poetry in our world, the power of poets to represent reality or truth, and the sources of poetic inspiration. This course also delves into the subject of aesthetics, the nature of beauty, and the variety of forces that impact how humans respond to literature.

Prerequisite(s): COML 2531.

Cross Listing(s): ENGL 5533.

COML 5536 Post-Colonial Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Examines and evaluates the diverse "common-wealth" of post-colonial Anglophone literature written by authors from countries that were formerly part of the British Empire: Africa, Australia, Canada, the Indian sub-continent, Ireland, New Zealand, Southeast Asia, and the West Indies. Highlights the use of a variety of reading and critical strategies to analyze the formal and linguistic complexities and innovations of this literature.

Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in ENGL 2131 and ENGL 2232.

Cross Listing(s): ENGL 5536, ENGL 5536G, COML 5536G.

COMM Communication Arts

COMM 1100 Introduction to Human Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Surveys the historical roots of communication, discusses the encoding and decoding of messages, and introduces the contexts of communication.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.

Cross Listing(s): COMM 1100S.

COMM 1100S Introduction to Human Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Surveys the historical roots of communication, discusses the encoding and decoding of messages, and introduces the contexts of communication.

Prerequisite(s): A minimum grade of "C" in WRIT 1101 or ENGL 1101.

Cross Listing(s): COMM 1100.

COMM 1110 Principles of Public Speaking
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The critical study and practice of public speaking emphasizing the art of rhetoric from a humanistic perspective. Areas of study include research and preparation, ethics, audience analysis, and presentation of speeches.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.

Cross Listing(s): COMM 1110H, COMM 1110S.

COMM 1110H Principles of Public Speaking
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The critical study and practice of public speaking emphasizing the art of rhetoric from a humanistic perspective. Areas of study include research and preparation, ethics, audience analysis, and presentation of speeches.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.

Cross Listing(s): COMM 1110, COMM 1110S.

COMM 1110S Principles of Public Speaking
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The critical study and practice of public speaking emphasizing the art of rhetoric from a humanistic perspective. Areas of study include research and preparation, ethics, audience analysis, and presentation of speeches.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.

Cross Listing(s): COMM 1110, COMM 1110H.

COMM 2332 Media and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduction to print and electronic mass communications and media-related professions. Surveys the media's historical development in the United States with particular focus on structure, social roles, and related theories. Also considers change factors that can affect the future of media.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.

Cross Listing(s): COMM 2332S.

COMM 2332S Media and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduction to print and electronic mass communications and media-related professions. Surveys the media's historical development in the United States with particular focus on structure, social roles, and related theories. Also considers change factors that can affect the future of media.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.

Cross Listing(s): COMM 2332.

COMM 3030 Selected Topics In Communication Arts
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Offers varied courses in specialized areas of field of Communication Arts. Department approval required.

Cross Listing(s): COMM 3030S.

COMM 3030S Selected Topics In Communication Arts
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Offers varied courses in specialized areas of field of Communication Arts. Department approval required.

Cross Listing(s): COMM 3030.

COMM 3331 Media Criticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Familiarizes students with dominant paradigms currently used in media studies. Particular emphasis will be given to theories addressing the social context of the media and criticism as a rhetorical act.

Cross Listing(s): COMM 3331S.

COMM 3331S Media Criticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course surveys freedom of speech and press and its limitations by laws governing libel, privacy, copyright, contempt, free press, broadcast regulation, fair trial and reporter's shield. Broadcast industry self-regulation and ethical concerns of mass communications will be discussed.

Prerequisite(s): A minimum grade of "C" in COMM 2332.

COMM 3332 Voice and Phonetics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**COMM 3336 International Media Systems**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course comparatively studies mass media systems around the world. It analyzes media systems in terms of relevant political, social, economic and cultural factors. Diversity and change in global communication is a main theme. The influence of rapidly-advancing technology is analyzed for its dynamic impact around the world, especially in developing nations.

Prerequisite(s): A minimum grade of "C" in COMM 2332.

COMM 3337 Mass Communication Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course surveys freedom of speech and press and its limitations by laws governing libel, privacy, copyright, contempt, free press, broadcast regulation, fair trial and reporter's shield. Broadcast industry self-regulation and ethical concerns of mass communications will be discussed.

Prerequisite(s): A minimum grade of "C" in COMM 2332 or COMM 2332S.

COMM 3430 Media Management and Sales
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

In this course, students will examine the organization and operation of media operations' policies and procedures. Students will also examine media management theory and practice, key media administrator roles, media industry processes and departments, and media manager skills in finances, personnel, programming, promotion/marketing, selling of commercial advertising in media and audience research.

Prerequisite(s): A minimum grade of "C" in COMM 2332.

COMM 3431 Digital Media Entrepreneurship
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Investigates multiple dimensions of and models for comic book writing as it traces the medium's history, development of new genres, and narrative conventions since its origins in the 1930s. Teaches the comic book's use of iconography, cultural tropes, and cognitive closure in the construction of sequential narratives.

Prerequisite(s): A minimum grade of "C" in ENGL 1101, or WRIT 1101, ENGL 1102.

Cross Listing(s): WRIT 3433.

COMM 3433 Comic Book Writing in American Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Investigates multiple dimensions of and models for comic book writing as it traces the medium's history, development of new genres, and narrative conventions since its origins in the 1930s. Teaches the comic book's use of iconography, cultural tropes, and cognitive closure in the construction of sequential narratives.

Prerequisite(s): A minimum grade of "C" in ENGL 1101, WRIT 1101, ENGL 1102.

Cross Listing(s): WRIT 3433.

COMM 3530 Media Ethics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course involves the study of moral and professional conduct within various mass communication contexts and provides students with the ability to recognize and confront potential ethical, diversity and shifting cultural issues as journalists and media consumers.

Prerequisite(s): A minimum grade of "C" in COMM 2332.

COMM 4330 History of Mass Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course surveys the history of newspapers, magazines, radio and television, and web media content with emphasis upon their correlation with political, social and economic trends in America.

Prerequisite(s): A minimum grade of "C" in COMM 2332 and Junior standing.

COMM 4331 Gender, Media, and Representation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Focuses on three basic areas with regard to women and media: 1) the representation of women in the media; 2) the status of women as media professionals; 3) the ways women make use of media as audience members.

Cross Listing(s): WGST 4331.

COMM 4331S Gender, Media and Rep
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Focuses on three basic areas with regard to women and media: 1) the representation of women in the media; 2) the status of women as media professionals; 3) the ways women make use of media as audience members.

Prerequisite(s): A minimum grade of "C" in COMM 2332.

Cross Listing(s): WGST 4331.

COMM 4332 Contemporary Communication Application
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Offers analysis of a selected contemporary topic in communication. Includes discussion of appropriate communication models and their analytical application to the selected topic. May be repeated a maximum of two times for credit. Department approval required.

Cross Listing(s): COMM 4332S.

COMM 4332S Contemporary Communication Application
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Offers analysis of a selected contemporary topic in communication. The course includes discussion of appropriate communications models and their analytical application to the selected topic. The course may be repeated a maximum of two times for credit. Department approval required.

Cross Listing(s): COMM 4332.

COMM 4333 Theories of Mass Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Examines the development of mass media systems and the resulting theoretical perspectives. Encourages theory application as means of understanding and explaining what happens to us individually and as members of a society as mass communication became possible and now as media systems are being adapted.

Prerequisite(s): COMM 2332.

Cross Listing(s): COMM 4333S.

COMM 4333S Theories of Mass Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Examines the development of mass media systems and the resulting theoretical perspectives. Encourages theory application as means of understanding and explaining what happens to us individually and as members of a society as mass communication became possible and now as media systems are being adapted.

Prerequisite(s): COMM 2332.

Cross Listing(s): COMM 4333.

COMM 4334 Advanced Law and Ethics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides an evaluation of contemporary media regulations/law and ethical issues by way of case analysis along with the study of the evolution of media regulation for understanding of past, present, and future media performance.

Prerequisite(s): A minimum grade of "C" in COMM 3337.

COMS Communication Studies

COMS 1711 Communication Studies Practicum
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

Practical experience in speaking and performance events. A maximum of three credit hours may be applied toward the degree.

COMS 2330 Introduction to Communication Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduces students to the professional literature in communication and examines the major paradigms used in communication research. The students will gain practical experience using formal research styles.

COMS 2711 Communication Studies Practicum
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

Practical experience in speaking and performance events. A maximum of three credit hours may be applied toward the degree.

COMS 3030 Selected Topics in Communication Studies**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Offers varied courses in specialized areas of the field of communication studies. Departmental approval required.

Cross Listing(s): COMS 3030S.**COMS 3030S Selected Topics in Communication Studies****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Offers varied courses in specialized areas of the field of speech Communication. Departmental approval required.

Cross Listing(s): COMS 3030.**COMS 3330 Health Communication****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Applies various communication theories to the health care community. The impact of health communication in different contextual levels, i.e., interpersonal, group, organizational, mass and cultural will be examined.

COMS 3331 Argumentation**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the function and structure of argumentation by focusing on the critical analysis of argument around important issues in public policy, science, law, religion and politics.

COMS 3332 Small Group Communication**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the increasing importance of communication in small group situations. Communication in group roles, relationships, leadership, conflict, group discussion and reflective decision making, will be highlighted.

Prerequisite(s): COMM 1100 or COMM 1110.**COMS 3333 Communication and Gender****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the literature of gender and communication. Considers how men's and women's self-perceptions and resulting communication patterns evolve as a function of cultural influences.

Cross Listing(s): WGST 3333.**COMS 3334 Communicating in the Workplace****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Considers the theoretical and practical challenges existing in a variety of workplace communication scenarios ranging from interviews and group interaction and structure through oral presentations supplemented by a variety of modern media.

Cross Listing(s): COMS 3334S.**COMS 3334S Communicating in the Workplace****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Considers the theoretical and practical challenges existing in a variety of workplace communication scenarios ranging from interviews and group interaction and structure through oral presentations supplemented by a variety of modern media.

Cross Listing(s): COMS 3334.**COMS 3335 Interpersonal Communication****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Considers current interpersonal research emphasizing practical analysis for how we communicate and form interpersonal relationships.

Prerequisite(s): COMM 1100.**COMS 3336 Introduction to Performance Studies****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the performance process in relation to the cultural values communicated in social and artistic forms. An introduction to folklore, storytelling, and solo performance.

COMS 3337 Persuasion**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Considers the ethics, philosophies, theories, and techniques of persuasion from the points of view of both senders and receivers of persuasive messages.

Prerequisite(s): COMM 1110.**Cross Listing(s):** COMS 3337S.**COMS 3337S Persuasion****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Considers the ethics, philosophies, theories, and techniques of persuasion from the points of view of both senders and receivers of persuasive messages.

Prerequisite(s): COMM 1110.**Cross Listing(s):** COMS 3337.**COMS 3338 Rhetorical Criticism****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the major perspectives and approaches used in the practice of rhetorical criticism through the analysis of various rhetorical forms, including public speeches, drama and entertainment, tradition and ideology.

COMS 3339 Intercultural Communications**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will focus on the different contexts in which culture influences the communication process. Aspects of communication such as language, nonverbal communication, interpersonal relationships, and organizations will be examined across different cultures. Students will strive to understand the impact of culture on perception, social identity, values, and structures of power. Intercultural, cross-cultural, and multicultural contexts for communication will be discussed.

Prerequisite(s): COMM 1100 or COMM 1110.**Cross Listing(s):** COMS 3339S.**COMS 3339S Intercultural Communications****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will focus on the different contexts in which culture influences the communication process. Aspects of communication such as language, nonverbal communication, interpersonal relationships, and organizations will be examined across different cultures. Students will strive to understand the impact of culture on perception, social identity, values, and structures of power. Intercultural, cross-cultural, and multicultural contexts for communication will be discussed.

Prerequisite(s): COMM 1100 or COMM 1110.**Cross Listing(s):** COMS 3339.**COMS 3430 Communication and Leadership****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers the theories and practices associated with leadership in groups and organizations. Focuses on interactive aspects of leading and following, and developing leadership skills from a communication perspective. Topics will include perspectives of a leader's communication interactions with regard to: change, culture, decision making, diversity, ethics, followership, groups and teams, influence, organizations, and styles.

Prerequisite(s): A minimum grade of "C" in COMM 1100.**COMS 3711 Communication Studies Practicum****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Practical experience in speaking and performance events. A maximum of three credit hours may be applied toward the degree.

COMS 4330 Rhetoric of International Relations**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the discourse of international relations from a rhetorical perspective. Emphasizes the analysis and criticism of persuasive messages used in international relations from Aristotelian, Neo-Aristotelian, dramatic and narrative rhetorical theoretical bases.

Cross Listing(s): INTS 4330.**COMS 4331 Communication and Conflict****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the theory and practice of conflict management in personal and professional relationships.

COMS 4332 Political Communication**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Emphasizes the role and the function of communication in the political setting. Examines theories of political communication and their application to political campaigns, debates, and speech writing.

COMS 4333 General Semantics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies the relationship between symbols and meaning in the tradition established by Alfred Korzybski. Focuses on signs and symbols and their implications on nonverbal and oral communication.

Cross Listing(s): LING 4333.**COMS 4334 Communication Theory****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to major approaches in the development of communication theory with emphasis on various communication contexts, e.g.; interpersonal, group, organization, mass media, intercultural.

COMS 4336 Performance, Culture, Communication**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Presents performance techniques relevant to scripting and staging of presentational ensemble and solo performance. Emphasizes performance as a communicative act in social and cultural contexts. Introduces personal narrative construction and oral history interviewing as primary research methods.

COMS 4337 Rhetoric of Social Movements**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the rhetorical significance of selected social movements including labor reform, civil rights, and environment protection, emphasizing the analysis of persuasive social movement discourse.

Cross Listing(s): AAST 4337.**COMS 4338 Organizational Communication****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explains the role and effects of communication in everyday organizational life. Includes interpersonal communication in the workplace, leadership, organizational communication and climate, motivation and flow of information in organizations.

COMS 4339 Philosophy of Communication**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the contributions of philosophical debate from logical positivism through hermeneutics to the discipline of human communication studies.

COMS 4711 Communication Studies Practicum**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Practical experience in speaking and performance events. A maximum of three credit hours may be applied toward the degree.

COMS 4791 Communication Studies Internship**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides practical experience in a professional setting appropriate for a student trained in communication studies. Will be under the supervision of a skilled practitioner in the particular area of communication. May be taken only by Communication Studies majors. A maximum of six hours may be applied to the major. Departmental approval required.

Prerequisite(s): SPE 251 or a 2.5 cumulative GPA in COMM 1110.**COMS 4831 Directed Study in Communication Studies****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Offers students opportunities to design and conduct directed research and/or projects in specialized communication studies areas. Must be approved in advance by instructor and department chair. This course may not be used to replace an existing course in the catalog. Departmental approval required.

COOP Cooperative Education Programs

COOP 2090F Sophomore Coop-Full-time**12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

An opportunity to gain work experience related to academic major, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program. The co-op program is coordinated administratively by the Office of Career Services. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of the student. "V" grade is assigned for successful completion of the work assignment.

Prerequisite(s): Sophomore standing.**COOP 2090P Sophomore Coop-Part-time****1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

An opportunity to gain work experience related to academic major, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program. The co-op program is coordinated administratively by the Office of Career Services. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of the student. "V" grade is assigned for successful completion of the work assignment.

Prerequisite(s): Sophomore standing.**COOP 3090F Junior Coop-Full-time****12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

An opportunity to gain work experience related to academic major, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program. The co-op program is coordinated administratively by the Office of Career Services. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of the student. "V" grade is assigned for successful completion of the work assignment.

Prerequisite(s): Junior standing.**COOP 3090P Junior Coop-Part-time****1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

An opportunity to gain work experience related to academic major, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program. The co-op program is coordinated administratively by the Office of Career Services. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of the student. "V" grade is assigned for successful completion of the work assignment.

Prerequisite(s): Junior standing.**COOP 3090S Junior Coop Fulltime****12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

An opportunity to gain work experience related to academic major, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program. The co-op program is coordinated administratively by the Office of Career Services. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of the student. "V" grade is assigned for successful completion of the work assignment.

Prerequisite(s): Junior standing.

**COOP 4090F Senior Coop-Full-time
12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

An opportunity to gain work experience related to academic major, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program. The co-op program is coordinated administratively by the Office of Career Services. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of the student. "V" grade is assigned for successful completion of the work assignment.

Prerequisite(s): Senior standing.

**COOP 4090P Senior Coop-Part-time
1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

An opportunity to gain work experience related to academic major, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program. The co-op program is coordinated administratively by the Office of Career Services. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of the student. "V" grade is assigned for successful completion of the work assignment.

Prerequisite(s): Senior standing.

CRJU Criminal Justice

**CRJU 1100 Introduction to Criminal Justice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A 3-hour survey course of the criminal justice system and its central components: police, courts, and corrections. Topics include: the activities and legal environment of each component; individual rights and public order; the juvenile justice process; theories of causation; the growth and use of technology in crime and crime solving; and special issues such as AIDS, drugs, and public policy. CRJU 1100H, CRJU 1100S.

**CRJU 1100H Intro to Criminal Justice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A 3-hour survey course of the criminal justice system and its central components: police, courts, and corrections. Topics include: the activities and legal environment of each component; individual rights and public order; the juvenile justice process; theories of causation; the growth and use of technology in crime and crime solving; and special issues such as AIDS, drugs, and public policy.

Cross Listing(s): CRJU 1100, CRJU 1100S.

**CRJU 1100S Introduction to Criminal Justice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A 3-hour survey course of the criminal justice system and its central components: police, courts, and corrections. Topics include: the activities and legal environment of each component; individual rights and public order; the juvenile justice process; theories of causation; the growth and use of technology in crime and crime solving; and special issues such as AIDS, drugs, and public policy.

Cross Listing(s): CRJU 1100.

**CRJU 2131 Justice and Ethics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Applies ethical theories to issues in the justice system. Topics include definitions of justice, theoretical approaches to ethical conduct, and applications of ethical behavior and decision-making in law enforcement, the judiciary, and the correctional system.

Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in CRJU 1100.

**CRJU 3111H Honors Thesis Seminar I
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

In a seminar setting, students will conduct readings about the research process with a focus on developing an honors thesis proposal.

Prerequisite(s): Minimum junior standing.

**CRJU 3112 Honors Thesis Seminar II
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

In a seminar setting, students will continue to progress toward researching and writing the honors thesis. Particular emphasis will be given to construction of a comprehensive literature review and research design.

Prerequisite(s): A minimum grade of "C" in CRJU 3111H; minimum junior standing.

**CRJU 3112H Honors Thesis Seminar II
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Prerequisite(s): A minimum grade of "C" in CRJU 3111H; minimum junior standing.

**CRJU 3131 Criminal Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on the legal processes from arrest through appeal, with emphasis on the rights of the accused. Particular attention paid to due process, right to counsel, search and seizure, self-incrimination, and challenges to individual rights represented by advances in technology and information systems.

Prerequisite(s): A minimum grade of "C" in CRJU 1100 or CRJU 1100S.

**CRJU 3133 Criminal Procedure
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on the legal processes from arrest through appeal, with emphasis on the rights of the accused. Particular attention paid to due process, right to counsel, search and seizure, self-incrimination, and challenges to individual rights represented by advances in technology and information systems.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.

**CRJU 3134 Investigations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to fundamentals of conducting investigations. Topics include: evidence gathering, interviews and interrogations, court preparation and testimony, and written reports.

Prerequisite(s): A minimum grade of "C" in CRJU 1100 or CRJU 1100S.

**CRJU 3137 Judicial Process
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Analyzes and evaluates the judicial process by addressing the actors, institutions, processes and procedures that affect the administration of justice.

Prerequisite(s): A minimum grade of "C" in CRJU 1100 or CRJU 1100S.

Cross Listing(s): POLS 3137.

**CRJU 3230 Policing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Critical examination and assessment of American policing. Major emphases include policing history, functions, organizational structure, effectiveness of practices, community policing, and accountability measures.

Prerequisite(s): A minimum grade of "C" in CRJU 1100 or CRJU 1100S.

Cross Listing(s): CRJU 3230S.

**CRJU 3230S Policing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Critical examination and assessment of American policing. Major emphases include policing history, functions, organizational structure, effectiveness of practices, community policing, and accountability measures.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.

Cross Listing(s): CRJU 3230.

**CRJU 3331 Corrections
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides an introduction to the correctional process and interventions designed to prevent and control adult criminal behavior. Addresses the philosophy and goals underlying correctional interventions, types of criminal sentencing, and penal sanctions, including community-based corrections, institutional corrections, and parole.

Prerequisite(s): A minimum grade of "C" in CRJU 1100 or CRJU 1100S.

CRJU 3431 Juvenile Justice**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides an overview of the juvenile justice system and juvenile jurisprudence. Examines the development of the juvenile justice system, elements that contribute to juvenile delinquency and delinquency prevention, and the treatment of juveniles by the civil and criminal justice systems.

Prerequisite(s): A minimum grade of "C" in CRJU 1100 or CRJU 1100S.**CRJU 3432 Gangs and Society****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the history of youth gangs in the United States, contemporary gangs and their activities, why youths join gangs, how gangs relate to the larger society, the impact of gangs on the criminal justice system, and the effectiveness of policies aimed at reducing gang activity.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.**CRJU 3432S Gangs, Drugs, and CJ****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the history of youth gangs in the United States, contemporary gangs and their activities, why youths join gangs, how gangs relate to the larger society, the impact of gangs on the criminal justice system, and the effectiveness of policies aimed at reducing gang activity.

Cross Listing(s): CRJU 3432.**CRJU 3531 Victimology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the causes and consequences of victimization. Major emphases on victimization patterns, risk factors, the victim-offender relationship, range of injuries experienced, and the role of the victim in criminal justice proceedings.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.**CRJU 3532 Organized Criminality****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides students with a realistic understanding of the problem of organized criminality in the United States. Focuses on the theories and evolution of traditional organized crime in America, as well as an examination of new and emerging organized crime groups that attempt to acquire a stronghold on criminal enterprises and activities. Examples of organized criminality examined in the class include, but are not limited to: drug trafficking, racketeering, money laundering, environmental crime, and intellectual property crime.

Prerequisite(s): A minimum grade of "C" in CRJU 1100 or CRJU 1100S.**CRJU 3533 Crimes Against Vulnerable Populations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides an introductory examination of criminality against vulnerable populations via an overview of current theory, research, and trends within the context of specific victimization types. Specific crimes, their impact on victims, and their social and policy implications will be examined.

Prerequisite(s): A minimum grade of "C" in CRJU 1100 or CRJU 1100S.**CRJU 3534 Drugs and Society****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces students to the scholarly study of drugs and alcohol from a multidisciplinary, liberal arts perspective. Students will become familiar with drug discourse, history, and policy with particular emphases on the legal prohibitions and enforcement of drugs in American society.

Prerequisite(s): A minimum grade of "C" in CRJU 1100 or CRJU 1100S.**CRJU 3535 Family Violence****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides an examination of family violence with a specific focus on child abuse, intimate partner violence, and elder abuse. It focuses on the nature, prevalence, causes, and consequences of each form of family violence, as well as explores the social services and criminal justice systems' response to family violence.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.**Cross Listing(s):** CRJU 3535H.**CRJU 3535H Family Violence (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides an examination of family violence with a specific focus on child abuse, intimate partner violence, and elder abuse. It focuses on the nature, prevalence, causes, and consequences of each form of family violence, as well as explores the social services and criminal justice systems' response to family violence.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.**Cross Listing(s):** CRJU 3535.**CRJU 3536 School Violence****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides an examination of school violence, focusing on the school as the location for various forms of violence that result in the victimization of students, teachers, and school administrators. Specifically, the course will focus on several forms of school violence including physical bullying, indirect forms of bullying such as teasing and ostracism, cyber-bullying, and forms of mass violence in schools such as "school shootings." Administrative and criminal justice responses to the various forms of school violence and the consequences of these responses will also be examined.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.**CRJU 3537 Communities and Crime****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the impact of crime, particularly violence, and criminal justice interventions on local communities. The topics covered in the course include the origins of violence in the community, how the police interact with citizens, how punishment and sentencing strategies impact communities, and the effects of law and policy on communities.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.**CRJU 3631 Crime and Justice in Public Policy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on the intersection of crime and social justice in the policy process. Particular attention paid to the development of public policy, actors in the process, and the impact of public policy on society, social programs, and the criminal justice system.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.**CRJU 3632 The Death Penalty****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the political and legal controversies surrounding the application of capital punishment. Addresses the theoretical and legal foundation behind its use, historical trends, current practices, constitutional issues, implementation concerns, questions of bias, international law, and American exceptionalism.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.**CRJU 3731 Crimes Against Humanity****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides an introduction to human rights violations, including crimes against humanity, genocide, and war crimes. Focuses on crimes that are part of a widespread or systematic attack directed against a civilian population, and may include such crimes as individual and collective acts of violence, extermination, enslavement, torture, and persecution. Examines the political, historical, and philosophical explanations for crimes against humanity, as well as the development of international human rights law.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.**CRJU 3733 Equality, Crime, and Justice****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to forms of social stratification and how it intersects with the social realities of crime and justice. Explores the extent, causes, and consequences of institutional inequalities in power, wealth, and status within the realms of criminal offending, victimization, criminal justice processing, and criminal justice employment.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 3831 Popular Culture and Justice**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines portrayals of crime, justice, social stratification, the criminal justice system, as well as social and political responses to those issues, in television, film, and literature.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 3931 Issues in Homeland Security**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides students with an overview of the legal, practical, and ethical challenges that accompany efforts to secure the homeland against major twenty-first century threats such as terrorism and cyber-terrorism. Course topics include, but are not limited to: threat assessment, crisis response, incident prevention, and the need to reconcile governmental strategies for disrupting attacks on the homeland with the imperative of protecting civil liberties.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 4031 Counseling and Supervising Offenders**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the theories and techniques employed to influence and alter the attitudes, values, and behaviors of criminal offenders. Supervision of offenders is emphasized. Focuses on practical application of theories to case studies.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 4032 Criminal Behavior**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines criminal and deviant behaviors from a multidisciplinary approach. Addresses major theories and research, correlates of crime including classification concepts, case studies, and application by components of the criminal justice system.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.

Cross Listing(s): CRJU 4032S.

CRJU 4032S Criminal Behavior**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines criminal and deviant behaviors from a multidisciplinary approach. Addresses major theories and research, correlates of crime including classification concepts, case studies, and application by components of the criminal justice system.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.

Cross Listing(s): CRJU 4032.

CRJU 4111H Honors Thesis Seminar III**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

In a seminar setting, students will continue writing and revising their thesis.

Prerequisite(s): A minimum grade of "C" in CRJU 3112H; minimum junior standing.

CRJU 4112H Honors Thesis Seminar IV**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Students will complete the final honors thesis and present their findings at a research symposium.

Prerequisite(s): A minimum grade of "C" in CRJU 4111H; minimum junior standing.

CRJU 4135 Directed Study in Justice Studies**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A structured, individualized research focus to be mutually designed and agreed upon by instructor and student. May be used to meet individual needs or interests that students have in various areas of criminal and social justice.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 4192 Special Topics**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Scheduled periodically to explore topics not offered in the regular curriculum.

Prerequisite(s): Minimum grade of "C" in CRJU 1100.

Cross Listing(s): CRJU 4192S.

CRJU 4192S Special Topics**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Scheduled periodically to explore topics not offered in the regular curriculum.

Prerequisite(s): Minimum grade of "C" in CRJU 1100.

Cross Listing(s): CRJU 4192.

CRJU 4231 Justice Studies Research Methods**3 Credit Hours. 2 Lecture Hours. 1 Lab Hour.**

Provides students with an understanding of research and its application in the field of justice studies. Topics include understanding the scientific method, research methodology, inductive and deductive statistics, and data analysis for report preparation. Includes student utilization of computer-based spreadsheets, database management, and interactive statistical packages.

Prerequisite(s): STAT 2231 and a minimum grade of "C" in CRJU 1100.

CRJU 4531 Comparative World Justice Systems**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the institutions of justice in various countries around the world as well as the variety of international institutions that address questions of justice. The legal, political, philosophic, social, and historical factors underlying these institutions are of primary concern.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.

Cross Listing(s): CRJU 4531S.

CRJU 4531S Comparative World Justice Systems**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the institutions of justice in various countries around the world as well as the variety of international institutions that address questions of justice. The legal, political, philosophic, social, and historical factors underlying these institutions are of primary concern.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.

Cross Listing(s): CRJU 4531.

CRJU 4632 Senior Seminar in Justice Studies**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A discussion-based, intensive reading and writing capstone course for Justice Studies majors and minors. Integrates material from the major core courses and addresses current issues and trends in the administration of criminal and social justice.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 4639 Inside-Out**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The "Inside-Out" Prison Exchange Program is an opportunity for a small group of students from Georgia Southern University and residents from a local prison to exchange ideas and perceptions about crime and justice, the criminal justice system, corrections, and imprisonment. All participants will gain a deeper understanding of the criminal justice system through the combination of theoretical knowledge and practical experience achieved by weekly meetings extended throughout the semester. Departmental and instructor approval is required before enrolling. Strong preference will be given to seniors. The course is repeatable if the topic is substantively different.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 4733 Theories of Justice**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A consideration of the primary theories of justice formulated through history. Examines and evaluates the theoretical foundations of conceptions of justice from a variety of perspectives.

Prerequisite(s): POLS 1101, or a minimum grade of "C" in CRJU 1100.

Cross Listing(s): CRJU 4733S.

CRJU 4733S Theories of Justice**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A consideration of the primary theories of justice formulated through history. Examines and evaluates the theoretical foundations of conceptions of justice from a variety of perspectives.

Prerequisite(s): POLS 1101, or a minimum grade of "C" in CRJU 1100.

Cross Listing(s): CRJU 4733.

CRJU 4792 Internship in Justice Studies**1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides students the opportunity to utilize, in a supervised work setting, the knowledge they have gained through their course work. Emphasizes the experiential, professional, and academic development of the student. Students must attain junior or senior status and have the permission of the internship coordinator to enroll.

CRJU 4830 Justice Administration**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Addresses organizational and managerial issues associated with the criminal justice system in respect to the courts, policing, and corrections. Attention is paid to a variety of topics within the context of the criminal justice system, including: staffing and training; leadership, power, and decision-making; organizational change; budgeting, and the selection and use of technology.

Prerequisite(s): A minimum grade of "C" in CRJU 1100.**CRJU 4930 Justice Studies Honors Thesis****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A substantial research project in Justice Studies structured jointly by a University Honors Program student and faculty mentor, approved by the University Honors Program director.

CSCI Computer Science

CSCI 1230 Introduction to BASIC Programming**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Basic concepts, logic, and syntax of BASIC programming language. Elementary programming techniques and algorithms. Topics include: variables, arithmetic operations, input/output, strings, GUI design, IF blocks, loop structures, subprograms, one- and two-dimensional arrays, file processing and applications.

Prerequisite(s): 3 credit hours of basic math.**CSCI 1232 Introduction to FORTRAN Programming****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Basic concepts, logic and syntax of the FORTRAN programming language. Elementary programming techniques and algorithms. Topics include: arithmetic operations, input/output, IF blocks, loop structures, subprograms, one- and two-dimensional arrays, file processing and applications.

Prerequisite(s): 3 credit hours of basic math.**CSCI 1236 Introduction to Java Programming****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Basic concepts, logic and syntax of the Java programming language. Elementary programming techniques and algorithms. Topics include: arithmetic operations, input/output, data types, variables, selection and control statements, applications, applets, strings, and event-driven programming.

Prerequisite(s): A minimum grade of "C" in MATH 1111 or MATH 1113 or MATH 1232 or MATH 1441.**Cross Listing(s):** CSCI 1236H.**CSCI 1236H Introduction to Java Programming****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Basic concepts, logic and syntax of the Java programming language. Elementary programming techniques and algorithms. Topics include: arithmetic operations, input/output, data types, variables, selection and control statements, applications, applets, strings, and event-driven programming.

Prerequisite(s): A minimum grade of "C" in MATH 1111, MATH 1113, MATH 1232, MATH 1441.**Cross Listing(s):** CSCI 1236.**CSCI 1301 Programming Principles I****0,4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

Provides a fundamental understanding of the development of computer solutions to solve problems with emphasis on structured, top-down development and testing. Concepts include the following: an overview of computer system design, problem solving and procedural abstraction design of computer solutions, algorithm development using simple data types and control structures, implementation and testing of programmed problem solutions, design modularization using subprograms and structured and user-defined data types.

Prerequisite(s): A minimum grade of "C" in MATH 1113 or MATH 1232 or MATH 1441.**Cross Listing(s):** CSCI 1301H, CSCI 1301S.**CSCI 1301H Programming Principles I****0,4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

Provides a fundamental understanding of the development of computer solutions to solve problems with emphasis on structured, top-down development and testing. Concepts include the following: an overview of computer system design, problem solving and procedural abstraction design of computer solutions, algorithm development using simple data types and control structures, implementation and testing of programmed problem solutions, design modularization using subprograms and structured and user-defined data types.

Prerequisite(s): A minimum grade of "C" in MATH 1113 or MATH 1232 or MATH 1441.**Cross Listing(s):** CSCI 1301, CSCI 1301S.**CSCI 1301S Programming Principles I****0,4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

Provides a fundamental understanding of the development of computer solutions to solve problems with emphasis on structured, top-down development and testing. Concepts include the following: an overview of computer system design, problem solving and procedural abstraction design of computer solutions, algorithm development using simple data types and control structures, implementation and testing of programmed problem solutions, design modularization using subprograms and structured and user-defined data types.

Prerequisite(s): MATH 1113 or MATH 1232 or MATH 1441.**Cross Listing(s):** CSCI 1301S, CSCI 1301H.**CSCI 1302 Programming Principles II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is a continuation of CSCI 1301. Emphasis is on advanced techniques such as recursion, regular expressions, refactoring, object oriented programming concepts and constructs, reusing components, templates/generics, interfaces and classes. Experiences include use of an integrated development environment and shared (code) repositories.

Prerequisite(s): A minimum grade of "C" in MATH 1441, MATH 2130, CSCI 1301.**Corequisite(s):** CSCI 3236.**CSCI 2120 Computers, Ethics and Society****2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

An investigation of issues related to the use of computers and computer technology including the following: computer ethics, professional standards, and social impact of computer applications. Some topics to be researched include: philosophical ethics, the application of ethical theory to situations involving computer technology, codes of conduct, privacy, data protection, employee privacy, data regulation, artificial intelligence, copyright/patent issues, computer malfunction liability, computer crime and responsibilities of computer users.

Prerequisite(s): A minimum grade of "C" in CSCI 1301.**CSCI 3230 Data Structures****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to abstract data types such as lists, stacks, queues, and trees, and algorithm analysis.

Prerequisite(s): A minimum grade of "C" in CSCI 1302, MATH 2130.

CSCI 3231 Logic Circuits and Microprocessors
0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

Digital system and Logic Circuits Design. Topics include the study of the Logic gate, Boolean Functions representation and Minimization, Combinational and Sequential logic circuits, Programmable Logic Arrays, Data Representation, RAM, ROM, and Cache Memories, Register Transfer Language and micro-operations, Hardware Description Language (VHDL), Microprocessor Organization and Design, Assembly Language, Computer Aided Design Tools and Filed Programmable Gate Arrays.

Prerequisite(s): CSCI 1302.

CSCI 3232 Systems Software

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides basic concepts of computer software systems including operating systems, language translators, utilities, linkers and loaders, system component interface, diverse programming language concepts, and interfaces.

Prerequisite(s): A minimum grade of "C" in CSCI 1302.

Corequisite(s): CSCI 3230.

CSCI 3232H Systems Software (Honors)

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides basic concepts of computer software systems including operating systems, language translators, utilities, linkers and loaders, system component interface, diverse programming language concepts, and interfaces.

Prerequisite(s): A minimum grade of "C" in all of the following: CSCI 1302 and prior or concurrent enrollment in CSCI 3230.

CSCI 3236 Theoretical Foundations

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of languages, formal grammars, and abstract representations of computation.

Prerequisite(s): A minimum grade of "C" in MATH 2130, CSCI 1302.

Cross Listing(s): CSCI 3236H.

CSCI 3236H Theoretical Foundations

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of languages, formal grammars, and abstract representations of computation.

Prerequisite(s): A minimum grade of "C" in MATH 2130, CSCI 1302.

Cross Listing(s): CSCI 3236.

CSCI 3432 Database Systems

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The fundamental concepts of database management systems (DBMS) including logical and physical database organization, data models and design issues. Emphasis will be placed upon the relational data model including design and implementation using commercial database systems.

Prerequisite(s): A minimum grade of "C" in CSCI 1301, MATH 2130 or Permission of Instructor.

CSCI 4132 Data Warehouse Design

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The course will cover data warehouse design principles and technical problems. Topics will include: data warehouse architectures, organizing data warehouse design projects, analyzing data and requirements. SQL aggregate and analytic functions, materialized views, star-joins and other DW related features, data vault modeling, dimensional modeling, physical design and implementation of integrated data warehouse using commercial ROLAP engines such as Oracle or SQL Server.

Prerequisite(s): A minimum grade of "C" in CSCI 3432.

CSCI 4235 Human Computer Interaction

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Human-Computer Interaction applies knowledge about how human beings perceive the world, think, remember and solve problems to the design of complex computer software. HCI goes beyond the construction of good user interfaces to specify how software projects are developed, tested and deployed. An important part of this course will emphasize field work practices for such things as user requirements gathering and usability testing.

Prerequisite(s): A minimum grade of "C" in CSCI 3230 or Permission of Instructor.

Cross Listing(s): CSCI 4235H.

CSCI 4235H Human Computer Interaction

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Human-Computer Interaction applies knowledge about how human beings perceive the world, think, remember and solve problems to the design of complex computer software. HCI goes beyond the construction of good user interfaces to specify how software projects are developed, tested and deployed. An important part of this course will emphasize field work practices for such things as user requirements gathering and usability testing.

Prerequisite(s): A minimum grade of "C" in CSCI 3230 or Permission of Instructor.

Cross Listing(s): CSCI 4235.

CSCI 4439 Game Programming

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to game design and development including game physics, using game engines, using AI in games, creating multithreaded games, and creating networked games.

Prerequisite(s): A minimum grade of "C" in CSCI 1302 or Permission of Instructor.

CSCI 4534 Software Testing and Quality Assurance

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Essential concepts and technology for software systems quality assurance and testing. Course covers software testing and the quality assurance body of knowledge including theory, models and methods, as well as contemporary standards and tools.

Prerequisite(s): A minimum grade of "C" in CSCI 3236 or Permission of Instructor.

CSCI 4537 Broadband Networks

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The basic concepts of broadband networks including an introduction to broadband networks, principles and systems are presented. Basic concepts and terminology needed for an understanding of broadband networks which support a variety of service requirements. Emphasis is on structures and principles of broadband networks. Major concepts and principles will be examined along with their corresponding mathematical analysis.

Prerequisite(s): A minimum grade of "C" in CSCI 5332 or Permission of Instructor.

CSCI 4539 Optical Networks

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Basic concepts of optical networks will be explored including a summary of fundamental mechanisms and recent developments and deployments of optical networks and the network and software architecture to implement optical networks designed to transport IP traffic.

Prerequisite(s): A minimum grade of "C" in CSCI 5332 or Permission of Instructor.

CSCI 4790 Special Problems/CO-OP

1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Work experience in computer science through the CO-OP program. A student may enroll in this course more than once, but cumulative credit may not exceed three credit hours.

Prerequisite(s): Acceptance as a CO-OP student in the area of Computer Science.

CSCI 4890 Directed Study in Computer Science**1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Directed study under faculty supervision. Seminar with at least one hour to be used as student engagement in service work.

Prerequisite(s): Permission of Instructor and Department Chair.

CSCI 5090 Selected Topics in Computer Science**1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.**

Specialized study in a selected area of Computer Science. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): Permission of Instructor.

Cross Listing(s): CSCI 5090G.

CSCI 5130 Data Management for Math and the Sciences**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Topics in data management, including operating systems, word processing, spreadsheets, and database management and their applications to mathematics education. Intended primarily for those majoring in Mathematics and Mathematics Education. For those majoring or minoring in Computer Science, this course may not be used as an upper level Computer Science elective. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): CSCI 1230 or Permission of Instructor.

Cross Listing(s): CSCI 5130G.

CSCI 5230 Discrete Simulation**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to discrete simulation models and their implementation on computers. Topics include modeling techniques, experiment design, analysis and validation of results. Students will be exposed to one or more computer simulation languages. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in STAT 2231 and CSCI 3230 or Permission of Instructor.

Cross Listing(s): CSCI 5230G.

CSCI 5235H Human Computer Interaction-Hon**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Human-Computer Interaction applies knowledge about how human beings perceive the world, think, remember and solve problems to the design of complex computer software. HCI goes beyond the construction of good user interfaces to specify how software projects are developed, tested and deployed. An important part of this course will emphasize field work practices for such things as user requirements gathering and usability testing.

Prerequisite(s): A minimum grade of "C" in CSCI 3230.

Cross Listing(s): CSCI 5235G, CSCI 5235.

CSCI 5330 Algorithm Design and Analysis**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An in-depth study of the design, implementation, testing, and analysis of algorithms. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CSCI 3236 and MATH 2242.

Cross Listing(s): CSCI 5330G.

CSCI 5331 Computer Architecture**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Digital logic: transistors, circuits, sensors, robotic control; registers and register banks; arithmetic-logic units; data representation: big-endian and little-endian integers; one and two's complement arithmetic; signed and unsigned values; Von-Neumann architecture and bottleneck; instruction sets; RISC and CISC designs; instruction pipelines and stalls; rearranging code; memory and address spaces; physical and virtual memory; interleaving; page tables; memory caches; bus architecture; polling and interrupts; DMA; sensor and device programming; assembly language; optimizations; parallelism; data pipelining. Graduate students will be given extra assignments determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CSCI 3232.

Cross Listing(s): CSCI 5331H, CSCI 5331G.

CSCI 5331H Computer Architecture**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Digital logic: transistors, circuits, sensors, robotic control; registers and register banks; arithmetic-logic units; data representation: big-endian and little-endian integers; one and two's complement arithmetic; signed and unsigned values; Von-Neumann architecture and bottleneck; instruction sets; RISC and CISC designs; instruction pipelines and stalls; rearranging code; memory and address spaces; physical and virtual memory; interleaving; page tables; memory caches; bus architecture; polling and interrupts; DMA; sensor and device programming; assembly language; optimizations; parallelism; data pipelining. Graduate students will be given extra assignments determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CSCI 3231.

Cross Listing(s): CSCI 5331, CSCI 5331G.

CSCI 5332 Data Communications and Networking**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Fundamental concepts of data communications including architecture models, protocol suites, network programming, signal and data transmissions, error detection, and performance analysis.

Prerequisite(s): A minimum grade of "C" in CSCI 3232 and STAT 2231.

Cross Listing(s): CSCI 5332H, CSCI 5332G.

CSCI 5332H Data Communications and Networking**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Fundamental concepts of data communications including architecture models, protocol suites, network programming, signal and data transmissions, error detection, and performance analysis.

Prerequisite(s): A minimum grade of "C" in CSCI 3232 and STAT 2231.

Cross Listing(s): CSCI 5332, CSCI 5332G.

CSCI 5335 Object-Oriented Design**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to concepts, methods, and current practice of object oriented design and analysis. Topics include the study of the Unified Modeling Language (UML), which has become an industry standard notation. UML topics will include use cases, diagramming notation (class, object, sequence) and object state diagrams. Students will use UML to design and implement individual and small group projects. Additional topics include understanding design patterns in building applications. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CSCI 3230.

Cross Listing(s): CSCI 5335G.

CSCI 5430 Artificial Intelligence**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to different paradigms for creating software that can reason, access a knowledge base, handle uncertainty, learn, communicate, perceive and act. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CSCI 3230 and CSCI 5330 or Permission of Instructor.

Cross Listing(s): CSCI 5430G.

CSCI 5431 Computer Security**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Computer security theory and practice fundamentals including methods of attack, defending against attacks, privacy vs security, methods of encryption, authentication, writing secure code, web security, and network security. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CSCI 2120.**Corequisite(s):** CSCI 5332.**Cross Listing(s):** CSCI 5431G.**CSCI 5432 Database Systems****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The fundamental concepts of database management systems (DBMS) including logical and physical database organization, data models and design issues. Emphasis will be placed upon the relational data model including design and implementation using commercial database systems.

Cross Listing(s): CSCI 5432G, CSCI 5432H.**CSCI 5432H Database Systems (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The fundamental concepts of database management systems (DBMS) including logical and physical database organization, data models and design issues. Emphasis will be placed upon the relational data model including design and implementation using commercial database systems.

Cross Listing(s): CSCI 5432, CSCI 5432G.**CSCI 5436 Distributed Web Systems Design****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course involves programming methodologies for the World Wide Web. Topics include: Client-side programming, distributed transactions, remote procedure calls, component objects, server side programming and network load balancing.

Prerequisite(s): A minimum grade of "C" in CSCI 3432.**Cross Listing(s):** CSCI 5436G, CSCI 5436H.**CSCI 5436H Distributed Web Systems Design****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course involves programming methodologies for the World Wide Web. Topics include: Client-side programming, distributed transactions, remote procedure calls, component objects, server side programming and network load balancing.

Prerequisite(s): A minimum grade of "C" in CSCI 5432 or CSCI 3432.**Cross Listing(s):** CSCI 5436G, CSCI 5436.**CSCI 5437 Computer Graphics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Course covers fundamentals of the theory of computer graphics, including raster systems, 3D viewing, illumination, shading and solid modeling. A standard computer graphics language is introduced. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CSCI 3230 and CSCI 3236.**Cross Listing(s):** CSCI 5437G.**CSCI 5438 Animation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Course covers mechanism of computer animation and their implementation in OpenGL, together with advanced graph theory. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CSCI 5437.**Cross Listing(s):** CSCI 5438G.**CSCI 5530 Software Engineering****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course serves as a major integrative, capstone experience for students and requires teamwork. A study of the development and management of software; strategies and techniques of design, testing, documentation and maintenance. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CSCI 5330 and CSCI 5335 and CSCI 5432 or CSCI 3432.**Cross Listing(s):** CSCI 5530G.**CSCI 5531 Systems and Software Assurance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course presents a body of knowledge in systems and software assurance and evaluation including security, safety, and integrity analysis. The core part of the course is software assurance where students are exposed to code and architectural analysis, secure coding practices, standards, and tools. The course also explores standards in modeling internal security at the organizational level and will involve students in risk assessments, comprehensive assurance planning, as well as an array of countermeasure considerations. Graduate students will be required to complete an individual research project not required of undergraduate students.

Prerequisite(s): A minimum grade of "C" in CSCI 1302 and CSCI 3432.**Cross Listing(s):** CSCI 5531G.**CSCI 5532 Network Management Systems****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Theory and practice of network management systems architectures and protocols, including fundamentals of standards models, languages, SNMP, broadband and Web-based tools and applications. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CSCI 5332.**Cross Listing(s):** CSCI 5532G.**CSCI 5538 Wireless and Mobile Systems****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course deals with the basics of cellular and mobile communication systems, multiple radio access procedures and channel allocation techniques, the architecture and functioning of satellite systems including global positioning system different wireless LAN technologies and personal area networks with an emphasis on Bluetooth networks and mobile application development required for mobile and wireless handheld devices like PDAs and cell phones. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in CSCI 5332 and MATH 1441 or Permission of Instructor.**Cross Listing(s):** CSCI 5538G.

ECED Early Childhood Ed

ECED 3131 The P-5 Curriculum**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The P-5 Curriculum course introduces the candidate to the curriculum, instruction, and organization of elementary schools serving a preschool through fifth grade population. Emphasis is placed on elementary schools implementing developmentally appropriate practices to meet the diverse needs of the P-5 population. Field experience required.

Prerequisite(s): Prior or concurrent enrollment in ITEC 3130 and SPED 3331, both with a minimum grade of "C".

ECED 3131S The P-5 Curriculum**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The P-5 Curriculum course introduces the candidate to the curriculum, instruction, and organization of elementary schools serving a preschool through fifth grade population. Emphasis is placed on elementary schools implementing developmentally appropriate practices to meet the diverse needs of the P-5 population. Field experience required.

ECED 3232 P-5 Creative Arts**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides opportunities for the students to familiarize themselves with the basic theories and practices of creative arts. Emphasizes the use of creative arts across the curriculum while developing the whole child.

Prerequisite(s): A minimum grade of "C" in ECED 3131.**ECED 3262 P-5 Language and Literacy****6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

The P-5 Language and Literacy course is designed to explore materials and methods of teaching language and literacy in the P-5 classroom. Students will study language and literacy development as well as the implications of student diversity for language learning. Students will investigate the theoretical background and research base supporting current understandings of the processes of the language arts (speaking, listening, reading, writing, viewing, and visually depicting). Students will also become acquainted with the vast selection of children's literature and strategies for incorporating literature into the curriculum.

Prerequisite(s): Minimum grade of "C" in READ 2230 and ECED 3131.**ECED 3732 Methods I Practicum****3 Credit Hours. 1 Lecture Hour. 0 Lab Hours.**

The Methods I Practicum course is designed to provide the preservice teacher with opportunities to integrate theory with practical application in the methods of teaching and usage of classroom management skills in diverse K-2 classrooms. The preservice teacher will observe and participate in an elementary classroom as well as plan and implement lessons, instructional units, assessments and individual education plans within that setting. Early Childhood majors will be placed in a general education classroom. Early Childhood/Special Education majors will be placed in a special education setting or general education classroom with students with disabilities.

Prerequisite(s): A minimum grade of "C" in all of the following: ECED 3131 and prior or concurrent enrollment in ECED 3262.**ECED 4090 Special Topics****1,3 Credit Hour. 1,3 Lecture Hour. 0 Lab Hours.**

Promotes specialized training appropriate to meet the needs of pre-service teachers. Attention will be given to a range of specific problems as they relate to the elementary, middle, or secondary schools and teaching field.

Prerequisite(s): Approval of advisor, instructor, and department chair.**ECED 4333 P-5 Teaching Mathematics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies the role of mathematics in the education of elementary school children, with emphasis on: the understanding of curriculum content; current trends in teaching; use of appropriate teaching materials; and planning for and evaluating instruction. Designed to give the prospective teacher an understanding of how children learn mathematics and have at their disposal methods which will facilitate this process for each child in a P-5th grade range.

Prerequisite(s): A minimum grade of "C" in MATH 3032 and ECED 3131.**ECED 4433 P-5 Science****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to prepare students for teaching science in grades P-5. The content of science is reviewed. Methods of teaching and assessing a diverse population of learners in P-5 science education are examined. Emphasis is placed on the importance of science in social and environmental issues.

Prerequisite(s): A minimum grade of "C" in ECED 3131.**ECED 4533 P-5 Social Studies****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to prepare students for teaching social studies in grades P-5. The goals and definitions related to the early childhood social studies program will be considered. The content of P-5 social studies will be reviewed. Students will become acquainted with appropriate teaching methods, materials, and organizational techniques for providing children with successful learning experiences in social studies.

Prerequisite(s): A minimum grade of "C" in ECED 3131.**ECED 4632 Student Teaching Seminar****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Students will analyze issues related to school law, diverse student populations, classroom behavior management, school funding, issues and trends in education, technology integration, and ethics. Special emphasis will be placed on instructional setting, strategies, and related services.

ECED 4733 Methods II Practicum**3 Credit Hours. 0 Lecture Hours. 5 Lab Hours.**

The Methods II Practicum course is designed to provide the preservice teacher with observation and actual teaching experience in a supervised 3rd - 5th elementary classroom setting. Major emphasis is placed on lesson and unit planning, using a variety of instructional strategies for diverse populations of students, classroom management, multiple assessment strategies, strategies that enhance student learning, the selection and use of instructional technology, and professional reflection. Early Childhood majors will be placed in a general education classroom. Early Childhood/Special Education majors will be placed in a special education setting or general education classroom with students with disabilities.

ECED 5799 Student Teaching in Early Childhood Education**9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Student teaching is a fifteen week period of guided teaching practice in a P-5 classroom setting. Under the direction of a clinical supervisor, the candidate gradually assumes increasing responsibility for classroom instruction and management. During this experience, candidates are expected to engage directly in many of the activities that constitute the wide range of a teacher's assigned responsibilities. The candidate will also assume the full responsibilities of the clinical supervisor for a minimum of four weeks. Early Childhood majors' field placements will be in a general education classroom. Early Childhood/Special Education majors' field placements will be in a special education setting or general education classroom with students with disabilities.

Cross Listing(s): ECED 5799G.

ECON Economics

ECON 2105 Economics in a Global Society**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The market mechanism and its relationship to the major institutions of developed economies, current events, and the challenges of globalization; particularly emphasizes informed decision-making about issues of the aggregate economy in a global setting.

Cross Listing(s): ECON 2105H and ECON 2105S.**ECON 2105H Economics in a Global Society****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The market mechanism and its relationship to the major institutions of developed economies, current events, and the challenges of globalization; particularly emphasizes informed decision-making about issues of the aggregate economy in a global setting.

Cross Listing(s): ECON 2105 and ECON 2105S.

ECON 2105S Economics in a Global Society**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The market mechanism and its relationship to the major institutions of developed economies, current events, and the challenges of globalization; particularly emphasizes informed decision-making about issues of the aggregate economy in a global setting.

Cross Listing(s): ECON 2105 and ECON 2105H.**ECON 2106 Business Economics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Analyzes the behavior of firms, workers, and consumers in perfectly competitive and imperfectly competitive markets. Particular emphasis is placed on firm behavior and how it is affected by the characteristics of the market.

Prerequisite(s): A minimum grade of "C" in ECON 2105.**Cross Listing(s):** ECON 2106S, ECON 2106H.**ECON 2106H Business Economics (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Analyzes the behavior of firms, workers, and consumers in perfectly competitive and imperfectly competitive markets. Particular emphasis is placed on firm behavior and how it is affected by the characteristics of the market.

Prerequisite(s): A minimum grade of "C" in ECON 2105.**Cross Listing(s):** ECON 2106 or ECON 2106S.**ECON 2106S Business Economics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Analyzes the behavior of firms, workers, and consumers in perfectly competitive and imperfectly competitive markets. Particular emphasis is placed on firm behavior and how it is affected by the characteristics of the market.

Prerequisite(s): A minimum grade of "C" in ECON 2105.**Cross Listing(s):** ECON 2106, ECON 2106H.**ECON 3131 Intermediate Macroeconomics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The study of forces which determine the level of income, employment, inflation, interest rates, output with particular attention to the effects of government monetary and fiscal policy.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**ECON 3132 International Trade****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of international trade both in theory and practice. The course will cover standard trade theory models from Ricardo to Heckscher-Ohlin, including criticism of the theories. Provides students with the tools necessary to analyze trade and the likely impact of trade on domestic economic policy. Course will focus on microeconomic trade issues.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**Cross Listing(s):** ECON 3132S.**ECON 3132S International Trade****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of international trade both in theory and practice. The course will cover standard trade theory models from Ricardo to Heckscher-Ohlin, including criticism of the theories. Provides students with the tools necessary to analyze trade and the likely impact of trade on domestic economic policy. Course will focus on microeconomic trade issues.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**Cross Listing(s):** ECON 3132.**ECON 3231 Intermediate Microeconomics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The market mechanism and its relationship to major institutions. Household decision making and consumer demand. Production, cost and the firm's supply decision. Market structures, market failures and the appropriate role of government policy.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**Cross Listing(s):** ECON 3231S.**ECON 3231S Intermediate Microeconomics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The market mechanism and its relationship to major institutions. Household decision making and consumer demand. Production, cost and the firm's supply decision. Market structures, market failures and the appropriate role of government policy.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**Cross Listing(s):** ECON 3231.**ECON 3232 International Macroeconomics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies macroeconomic relationships and policies in an open economy. Examines the balance of payments, the foreign exchange market, exchange-rate determination under alternative exchange-rate regimes, and international financial and monetary systems from the macroeconomic perspective.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**ECON 4030 Special Topics in Economics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that allows students to pursue further study in a specific topic. Topics for the course may include, but not limited to, sports economics, behavioral and experimental economics, economics of social issues, history of economics thought, game theory, or resource economics.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**Cross Listing(s):** ECON 4030S.**ECON 4030S Special Topics in Economics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that allows students to pursue further study in a specific topic. Topics for the course may include, but not limited to, sports economics, behavioral and experimental economics, economics of social issues, history of economics thought, game theory, or resource economics.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**Cross Listing(s):** ECON 4030.**ECON 4131 Applied Econometrics and Regional Analysis****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course outlines analytical and empirical tools used by the contemporary economic development specialist and economist. The methodology of data collection and estimation of regression models are introduced. Moreover, the course covers methods of forecasting, linear programming, derivation of impact multiplier analysis, and cost-benefit analysis.

Prerequisite(s): A minimum grade of "C" in BUSA 3131 or STAT 2231 and ECON 2106.**Cross Listing(s):** REDV 4131.**ECON 4331 Money and Banking****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of money, banking, and financial markets with particular emphasis on the impact that monetary policy has on business decision making.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**Cross Listing(s):** ECON 4331S.**ECON 4331S Money and Banking****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of money, banking, and financial markets with particular emphasis on the impact that monetary policy has on business decision making.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**Cross Listing(s):** ECON 4331.**ECON 4332 Labor Economics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of wage and employment determination in the labor market. Topics include discrimination, human capital development, labor union, and unemployment.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.

ECON 4333 Managerial Economics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Presents the theory of the firm as an aid to business decision-making, examines the employment relationship and incentive structures within and among firms, the make-or-buy decision, and the problems arising from incomplete contracting and opportunism.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**ECON 4334 Transportation Economics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides students with the basic economic analysis of transportation, including the economic theories of transportation and location of economic activity, the history and current status of government regulation of transportation activities, and empirical analysis of the behavior of the transportation industries.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**ECON 4335 Public Finance and Public Policy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the role of government in a market economy, how governments can efficiently allocate expenditures among the various members of society, the government decision-making process, cost-benefit analysis, government expenditures, and the effects and incidence of taxation. The focus of the course is on the federal government. The course also examines various public policy issues, such as welfare to work programs, health care, and Social Security.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**ECON 4336 Industrial Organization and Regulation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the scientific study of imperfectly competitive markets. Topics include the causes of market imperfections (economics of scale, barriers to entry, etc.), behavioral and performance responses by firms to market imperfections, and government policy responses to market imperfections (antitrust law and regulation).

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**ECON 4337 Environmental Economics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will apply the basic principles of microeconomics to analyze a variety of environmental and natural resource policy problems. We will examine the causes of natural resource and environmental problems, the consequences of these problems, and measures for dealing with them. We will examine many real environmental and resource problems, including but not limited to, the depletion of oceanic fisheries, tropical deforestation, acid rain, pollution control, and endangered species.

Prerequisite(s): A minimum grade of "C" in ECON 2106.**ECON 4338 Health Economics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will apply the basic principles of microeconomics and statistics to health and health care markets. Topics addressed using economic theory and empirical methodology include the demand and supply of health care, health care market imperfections, and roles and behavior of physicians, hospitals, health insurers, and the government.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106 and BUSA 3131 or STAT 2231.**ECON 4339 Economic Analysis of the Law****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the effects of legal rules on economic performance. The incentives for individual and firm behavior encompassed in legal rules are analyzed. Topics include legal systems and the economic analysis of property, torts, contracts, corporations, and criminal behavior.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**ECON 4431 Economic Development****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the economic and social challenges faced by rural areas of the United States and developing countries. The main concern is on what resources rural economies have, and how these resources can be used to sustain economic development. Special attention is given to economic development strategies that emphasize equity in distribution as a goal as well as access to resources by a wide cross-section of citizens.

Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.**ECON 4437 Regional and Urban Economics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides an overview of urban and regional economics, including the theories of regional growth and urban development. It also provides a framework for understanding regional economic development and the regional development planning process.

Prerequisite(s): A minimum grade of "C" in ECON 2106.**Cross Listing(s):** ECON 4437S.**ECON 4437S Regional and Urban Economics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides an overview of urban and regional economics, including the theories of regional growth and urban development. It also provides a framework for understanding regional economic development and the regional development planning process.

Prerequisite(s): A minimum grade of "C" in ECON 2106.**Cross Listing(s):** ECON 4437.**ECON 4534 Commercial Risk Management and Insurance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course involves property and liability risks and the effective management of these risks with insurance. Application of property insurance to pure risk exposures including direct and indirect property. Application of liability insurance to general liability and catastrophic liability risks. Current topics in the field of commercial property and liability insurance.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**Cross Listing(s):** FINC 4534.**ECON 4790 Internship in Economics****3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The student is to work with/for a manager of the enterprise in a management training or special projects capacity. Management level responsibilities and duties are expected of the student.

ECON 4830 Special Problems in Economics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that is under the direction of a faculty sponsor. It allows students to pursue further study in a specific topic. Topics for the course may include, but are not limited to, sports economics, behavioral economics, economics of social issues, history of economic thought, or resource economics.

Prerequisite(s): Junior standing.**Cross Listing(s):** ECON 4830S.**ECON 4830S Special Problems in Economics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that is under the direction of a faculty sponsor. It allows students to pursue further study in a specific topic. Topics for the course may include, but are not limited to, sports economics, behavioral economics, economics of social issues, history of economic thought, or resource economics.

Prerequisite(s): Junior standing.**Cross Listing(s):** ECON 4830.**ECON 4890 Directed Study in Economics****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Designed for independent study and research in selected areas of economics under faculty supervision.

Prerequisite(s): Permission of Department Chair.**Cross Listing(s):** ECON 4890S.

ECON 4890S Directed Study in Economics
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Designed for independent study and research in selected areas of economics under faculty supervision.

Prerequisite(s): Permission of Department Chair.

Cross Listing(s): ECON 4890.

ECON 5131 Teaching Economics K-12
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Prerequisite(s): A minimum grade of "C" in ECON 2105.

EDUC Curriculum

EDUC 2090 PPB Practicum
0-1 Credit Hours. 0 Lecture Hours. 50 Lab Hours.

This Pre-Professional Block Practicum is designed to assist students to integrate and apply knowledge gained through class activities in each of the following Area F Pre-Professional Block courses: EDUC 2110, Investigating Critical and Contemporary Issues in Education; EDUC 2120, Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts; EDUC 2130, Exploring Learning and Teaching. This practicum requires the completion of a variety of field-based assignments from each course. Successful completion of this practicum may be used to complete one of the requirements for admission to the Teacher Education Program. This 0-credit course will be completed as part of the Area F Pre-Professional Block. One-credit hour registration is needed only if student does not successfully complete the PPB Practicum course on the first attempt.

Corequisite(s): EDUC 2110, EDUC 2120, EDUC 2130.

EDUC 2110 Investigating Critical and Contemporary Issues in Education

3 Credit Hours. 2.53 Lecture Hours. 1.13 Lab Hour.

This course engages students in observations, interactions, and analyses of critical and contemporary educational issues. Students will investigate issues influencing the social and political contexts of educational settings in Georgia and the United States. Students will actively examine the teaching profession from multiple vantage points both within and outside the school. Against this backdrop, students will reflect on and interpret the meaning of education and schooling in a diverse culture and examine the moral and ethical responsibilities of teaching in a democracy.

Corequisite(s): EDUC 2090, EDUC 2120, EDUC 2130.

EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts

3 Credit Hours. 2.53 Lecture Hours. 1.13 Lab Hour.

Given the rapidly changing demographics in our state and country this course is designed to equip future teachers with the fundamental knowledge of understanding culture and teaching children from diverse backgrounds. Specifically, this course is designed to examine 1) the nature and function of culture; 2) the development of individual and group cultural identity; 3) definitions and implications of diversity, and 4) the influences of culture on learning, development, and pedagogy.

Corequisite(s): EDUC 2090, EDUC 2110, EDUC 2130.

EDUC 2130 Exploring Learning and Teaching
3 Credit Hours. 2.53 Lecture Hours. 1.13 Lab Hour.

Explore key aspects of learning and teaching through examining your own learning processes and those of others, with the goal of applying your knowledge to enhance the learning of all students in a variety of educational setting and contexts.

Corequisite(s): EDUC 2090, EDUC 2110, EDUC 2120.

EDUC 2130H Exploring Learning & Teaching
3 Credit Hours. 2.53 Lecture Hours. 1.13 Lab Hour.

Explore key aspects of learning and teaching through examining your own learning processes and those of others, with the goal of applying your knowledge to enhance the learning of all students in a variety of educational setting and contexts.

Corequisite(s): EDUC 2090, EDUC 2110, EDUC 2120.

EDUC 3234 Educational Psychology: Sec Ed
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.

EDUF Educational Foundations

EDUF 1230 Education, Society and Learners
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Education of youth is one of the foremost responsibilities of any society and greatly impacts the future well being of the society. As a member of a society, an employer, a parent, a taxpayer, the future of our society depends upon the quality of the job done in the education of its youth. This course utilizes both psychological and sociological foundations of education to enable students to understand and participate in these important social and political debates.

EDUF 2090 Special Topics in Educational Foundations
0-3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.

Designed to provide specialized coursework to meet the needs of students. Attention will be directed toward a wide range of topics as they relate to education.

EDUF 2090S FED Special Topics
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Designed to provide specialized coursework to meet the needs of students. Attention will be directed toward a wide range of topics as they relate to education.

EDUF 2120S Foundations of Education
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**EDUF 2121S Human Growth and Dev**
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**EDUF 3131 Assessment and Management**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The purpose of this course is to provide advanced preparation in two important teaching skill areas, assessment of student learning and classroom management. First, it is to provide pre-service P-5 teachers with the knowledge and skills to create and implement developmentally appropriate traditional and alternative forms of assessment that will prepare teachers to evaluate development and learning in the social, emotional, physical, and cognitive domains. Second, this course will help pre-service teachers to develop knowledge of and skills in effectively motivating students and managing classrooms through preventive and interventive techniques.

Prerequisite(s): Admission to the Teacher Education Program.

EDUF 3232 Educational Psychology: General
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Students will examine psychological principles of learning, cognition, motivation, behavior and the practical implications of these principles for teaching, learning, and assessment. The development of skills to interpret behavior and classroom interaction within a framework of psychological theory will be a major feature of the course.

Prerequisite(s): Junior standing and admission to Teacher Education Program; completion of pre-professional block or equivalent.

EDUF 3234 Educational Psychology: Secondary Education
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.

Examines psychological principles of learning, cognition, motivation, behavior and the practical implications of these principles for teaching, learning, and assessment. The development of skills to interpret behavior and classroom interaction within a framework of psychological theory will be a major feature of the course. Requires an additional lab component.

Prerequisite(s): Junior standing and admission to Teacher Education Program.

EENG Electrical Engineering

EENG 3230 Electromagnetic Fields

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of electromagnetic fields theory and applications including Coulomb's law, Gauss' law, Ampere's law, Maxwell's equations, boundary conditions, uniform plane, wave propagation, and transmission line theories applied to engineering in power systems, satellites, and wireless communications.

Prerequisite(s): A minimum grade of "C" in MATH 2243 and ENGR 2334 or Permission of Instructor.

EENG 3241 Electric Machines

0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

The concepts of electric machines and their operation characteristics are covered with emphasis on different types of DC/AC motors and generators including single-phase and three-phase transformers. The course also includes laboratory activities in support of instruction.

Prerequisite(s): A minimum grade of "C" in EENG 3230 and EENG 3335 or permission of instructor.

EENG 3335 Circuit Analysis II

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The course focuses on advanced topics in circuit analysis and design. Topics include Phasor analysis, three-phase systems, AC steady-state power, transformers, transfer functions, Bode plots, passive and active filters, Laplace and Fourier transforms, and twoport networks.

Prerequisite(s): A minimum grade of "C" in ENGR 2334.

EENG 3340 Microcontrollers

0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

Fundamental concepts of address, data, and control are covered including microcontroller architecture, memory, peripheral devices, and interfacing. Students will apply programming skills learned to operate different types of microprocessors. The course also includes laboratory activities in support of instruction.

Prerequisite(s): A minimum grade of "C" in ENGR 2323 or Permission of Instructor.

EENG 3341 Microelectronics w/lab

4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.

A study of the characteristics and design of bipolar junction and metal oxide semi-conductor integrated circuit devices with emphasis on commercial and industrial applications including operational amplifiers, digital logic, and solid state memory.

Prerequisite(s): A minimum grade of "C" in ENGR 3310 and prior or concurrent enrollment in EENG 3335.

EENG 3420 Linear Systems

2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

The mathematical foundations and modeling techniques to solve linear systems are covered in this course. Topics include vectors and matrices, eigenvalues and eigenvectors, Fourier series, Fourier transform, Laplace transform, and Z-transform. Several engineering applications in control and communication systems are provided.

Prerequisite(s): A minimum grade of "C" in MATH 3230 and ENGR 2334 or Permission of Instructor.

EENG 3421 Advanced Engineering Analysis

2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

This course offers introduction to systems and simulation, mathematical and statistical modeling of systems, random numbers, random-variate generation, input modeling, verification and validation of simulation models, analysis of simulation data, comparison and evaluation of alternative system designs, simulation examples of electrical engineering systems.

Prerequisite(s): A minimum grade of "C" in MATH 2243 and ENGR 2334 or Permission of Instructor.

EENG 4620 Senior Project I

2 Credit Hours. 1 Lecture Hour. 2 Lab Hours.

This course is the first sequence of a two-semester long capstone project with emphasis on project research, design and development under real engineering constraints. Topics include background and state-of-the-art research of the particular projects, tasks scheduling, project management, and research of ethical, environmental and sustainability issues related to the project. Students are required to work in teams, conduct research and start basic project design under the direction of a faculty advisor.

Prerequisite(s): A minimum grade of "C" in all of the following: EENG 3340 and EENG 3241 and EENG 3341 and prior or concurrent enrollment in EENG 5431.

Cross Listing(s): EENG 4620H.

EENG 4620H Senior Project I (Honors)

2 Credit Hours. 1 Lecture Hour. 2 Lab Hours.

This course is the first sequence of a two-semester long capstone project with emphasis on project research, design and development under real engineering constraints. Topics include background and state-of-the-art research of the particular project, tasks scheduling, project management and research of ethical, environmental and sustainability issues related to the project. Students are required to work in teams, conduct research and start basic project design under the direction of a faculty advisor.

Prerequisite(s): A minimum grade of "C" in all of the following: EENG 3340 and EENG 3241 and EENG 3341 and prior or concurrent enrollment in EENG 5431.

Cross Listing(s): EENG 4620.

EENG 4621 Senior Project II

0,2 Credit Hours. 0,1 Lecture Hours. 0,3 Lab Hours.

In this second sequence of the senior capstone project, students will start the implementation process of their projects including CAE/CAD software development, program writing, printed circuit board fabrication, systems testing, and performance evaluation. Course requirements include weekly progress reports, oral presentations, a comprehensive final report, and a final project demonstration.

Prerequisite(s): A minimum grade of "C" in EENG 4620 and EENG 5540.

Cross Listing(s): EENG 4621H.

EENG 4621H Senior Project II

0,2 Credit Hours. 0,1 Lecture Hours. 0,3 Lab Hours.

In this second sequence of the senior capstone project, students will start the implementation process of their projects including CAE/CAD software development, program writing, printed circuit board fabrication, systems testing, and performance evaluation. Course requirements include weekly progress reports, oral presentations, a comprehensive final report, and a final project demonstration.

Prerequisite(s): A minimum grade of "C" in EENG 4620 and EENG 5540.

Cross Listing(s): EENG 4621.

EENG 4890 Directed Study in Electrical Engineering

1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

An individualized study involving research and applications pertaining to Electrical Engineering.

Prerequisite(s): Prior study form as approved by instructor.

EENG 5090 Selected Topics in Electrical Engineering

1-4 Credit Hours. 1-3 Lecture Hours. 0-3 Lab Hours.

Students in this course will have the opportunity to study selected topics in Electrical Engineering not currently offered by the program.

Prerequisite(s): As determined by Instructor.

Cross Listing(s): EENG 5090G.

EENG 5132 Industrial Electronics

0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

A study of industrial applications of electronic devices including SCR's, triacs, switching circuits, timers, logic control circuits, optical devices, and sensors. The course also includes laboratory activities. Graduate students will complete an additional independent research project that involves a written report with an oral presentation.

Cross Listing(s): EENG 5132G.

EENG 5242 Power Systems**0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Introduction to conventional power systems is covered including generation, transmission, and distribution with emphasis on power flow and parameters affecting the transfer of energy over the transmission lines. The course also includes laboratory activities in support of instruction.

Prerequisite(s): A minimum grade of "C" in EENG 3241 or Permission of Instructor.

Cross Listing(s): EENG 5242G.

EENG 5243 Power Electronics**0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

A coverage of the concepts of power electronics and converters including the use of thyristors, triacs, timers, logic control circuits, optical devices, and sensors. The course also includes laboratory activities in support of instruction.

Prerequisite(s): A minimum grade of "C" in EENG 3241 and EENG 3341.

Cross Listing(s): EENG 5243G. Cross Listing(s): EENG 5243G.

EENG 5341 Robotic Systems Design**0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

The basic elements of robotics are introduced with emphasis on mobile robots and applications. Topics include coordinate transformations, sensors, path planning, kinematics, effectors, and control. Students will work in teams to design and build increasingly complex robotic systems. The course also includes laboratory activities in support of instruction. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.

Prerequisite(s): A minimum grade of "C" in EENG 3340 or MENG 3521 or Permission of Instructor.

Cross Listing(s): EENG 5341G.

EENG 5342 Computer Systems Design**0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Digital computers with emphasis on design and simulation are covered including instruction set design, processor implementation, pipelining, cache design, memory hierarchy, and input/output. The course also includes laboratory activities in support of instruction. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.

Prerequisite(s): A minimum grade of "C" in EENG 3340 or Permission of Instructor.

Cross Listing(s): EENG 5342G.

EENG 5431 Control Systems**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Introduction to classical control theory and applications is presented with emphasis on feedback and its properties including the concept of stability, stability margins, and the different tools that can be used to analyze the system properties. Students will develop a working knowledge of the basic elements of linear control techniques. The course also includes laboratory activities in support of instruction. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.

Prerequisite(s): A minimum grade of "C" in EENG 3420 or Permission of Instructor.

Cross Listing(s): EENG 5431G.

EENG 5432 Programmable Logic Controllers**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Topics covered include sequential programmable logic controllers (PLC's) with emphasis on ladder diagrams, input/output devices, networking, and programming design through advanced functions. The course also includes laboratory activities in support of instruction. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.

Prerequisite(s): A minimum grade of "C" in EENG 3241 or MENG 3521 or Permission of Instructor.

Cross Listing(s): EENG 5432G.

EENG 5532 Wireless Communications**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The concepts and techniques of wireless communication systems are covered in this course including propagation channels, communication link analysis, transceivers, signal processing, and multiple access schemes.

Prerequisite(s): A minimum grade of "C" in EENG 5540 and EENG 3230 or Permission of Instructor.

Cross Listing(s): EENG 5532G.

EENG 5533 Optical Fiber Communications**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course offers introduction to the physics of optical fiber communication components and the applications to communication systems. Topics include light and its behavior in the fiber, fiber attenuation, dispersion and nonlinear effects, laser modulation, photo detection and noise, receiver design, bit error rate calculations, and coherent communications. Graduate students will be required to complete an individual research project not required of undergraduate students.

Prerequisite(s): A minimum grade of "C" in EENG 5540 or Permission of Instructor.

Cross Listing(s): EENG 5533G.

EENG 5535 Smart Antennas**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A theoretical and practical understanding of fundamentals of smart antennas including beamforming, single antennas, array antennas, phased arrays, adaptive techniques, angle-of-arrival estimation, digital beamforming, fixed beam arrays, channel characteristics, random processes, propagation and electromagnetics. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in EENG 3230, EENG 3421, ENGR 1732 and ENGR 2341.

Cross Listing(s): EENG 5535G.

EENG 5540 Communication Systems**0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

The theory and principles of communication systems are presented in this course. Topics covered include AM and FM modulations, transmission and reception, noise and random processes, pulse modulation, and digital transmission techniques. Laboratory emphasizes modeling and simulation using MATLAB programming. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.

Prerequisite(s): A minimum grade of "C" in EENG 3420 and EENG 3421 or permission of instructor.

Cross Listing(s): EENG 5540G.

EENG 5541 Digital Communications**0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Theory and applications of digital communications systems are covered. Topics include ASK, FSK, DPSK, QAM, signaling over AWGN, band-limited and fading channels, inter-symbol interference, and error-correction codes. The course also includes laboratory activities in support of instruction. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.

Prerequisite(s): A minimum grade of "C" in EENG 5540 or Permission of Instructor.

Cross Listing(s): EENG 5541G.

EENG 5543 Antennas**4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

This course introduces basic concepts of dipoles and monopoles, solution to radiation problems, antenna parameters, different types of antennas, antenna aperture/array theory, radio wave propagation, impact of antenna performance in communication links. The course also includes laboratory activities in support of instruction. Graduate students will be required to complete additional assignments and a culminating research project commensurate with graduate level work that is not required of undergraduate students.

Prerequisite(s): A minimum grade of "C" in EENG 3230.**Cross Listing(s):** EENG 5543G.**EENG 5891 Special Problems in Electrical Engineering****1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.**

This course provides for specialized study in the area of Electrical Engineering not currently offered by the program. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.

Prerequisite(s): As determined by Instructor.**Cross Listing(s):** EENG 5891G.

EGC East Georgia College

EGC 1000 East Georgia College**0-99 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

ENGL English

ENGL 0099A Communication Skills**4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.**

Designed to help students develop language skills necessary for entering regular college courses. Emphasizes grammar and punctuation, essays and other forms of written expression, oral participation, and reading proficiency. Because the course is developmental, a student may exit at the end of any semester by passing the course and achieving a satisfactory score on the exit examination. Audit or institutional credit only.

ENGL 0099B Communication Skills**4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.**

Designed to help students develop language skills necessary for entering regular college courses. Emphasizes grammar and punctuation, essays and other forms of written expression, oral participation, and reading proficiency. Because the course is developmental, a student may exit at the end of any semester by passing the course and achieving a satisfactory score on the exit examination. Audit or institutional credit only.

ENGL 0099C Communication Skills**4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.**

Designed to help students develop language skills necessary for entering regular college courses. Emphasizes grammar and punctuation, essays and other forms of written expression, oral participation, and reading proficiency. Because the course is developmental, a student may exit at the end of any semester by passing the course and achieving a satisfactory score on the exit examination. Audit or institutional credit only.

ENGL 0999 Support for English Composition**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

ENGL 0999 is a corequisite support course that provides skills and additional instruction for concepts covered in ENGL 1101. The course focuses on students' composition deficiencies and provides instruction on composition skill development, grammar and usage, MLA style, and critical reading. Students will be placed in ENGL 0999 based on their English Placement Index (EPI) score. Audit or institutional credit only.

Corequisite(s): ENGL 1101.**ENGL 1101 Composition I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A composition course focusing on skills required for effective writing in a variety of contexts, with emphasis on exposition, analysis, and argumentation, and also including introductory use of a variety of research skills.

Cross Listing(s): ENGL 1101H, WRIT 1101.**ENGL 1101H Composition I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A composition course focusing on skills required for effective writing in a variety of contexts, with emphasis on exposition, analysis, and argumentation, and also including introductory use of a variety of research skills.

Cross Listing(s): ENGL 1101, WRIT 1101.**ENGL 1102 Composition II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A composition course that develops writing skills beyond the proficiency required by ENGL 1101, emphasizing interpretation and evaluation, and incorporating a variety of more advanced research methods.

Prerequisite(s): ENGL 1101 or WRIT 1101.**Cross Listing(s):** ENGL 1102H, ENGL 1102S.**ENGL 1102H Composition II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A composition course that develops writing skills beyond the proficiency required by ENGL 1101, emphasizing interpretation and evaluation, and incorporating a variety of more advanced research methods.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.**Cross Listing(s):** ENGL 1102, ENGL 1102S.**ENGL 1102S Composition II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A composition course that develops writing skills beyond the proficiency required by ENGL 1101, emphasizing interpretation and evaluation, and incorporating a variety of more advanced research methods.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.**Cross Listing(s):** ENGL 1102, ENGL 1102H.**ENGL 1230 Reading Fiction****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The aim of this course, intended for all students at all levels, is to experience the pleasure of reading fiction. Readings for the class may include short stories and novels, works written in English as well as those that have been translated, older as well as recent writing. This course will emphasize the qualities that make fiction meaningful and memorable and enable students to sharpen their powers of observation, analysis, and interpretation.

ENGL 1231 Reading Drama**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The aim of this course, intended for all students at all levels, is to experience the pleasure of reading drama. Readings for the class may include one-act plays as well as full-length plays, works written in English as well as those that have been translated, ancient as well as modern drama. This course will emphasize the qualities that make drama meaningful and memorable and enable students to sharpen their powers of observation, analysis, and interpretation.

ENGL 1232 Reading Poetry**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The aim of this course, intended for all students at all levels, is to experience the pleasure of reading poetry. Readings for the class may include a variety of poetic forms, works written in English as well as those that have been translated, older as well as recent poems. This course will emphasize the qualities that make poetry meaningful and memorable and enable students to sharpen their powers of observation, analysis, and interpretation.

ENGL 2111 World Literature I**0,3 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.**

A survey of great works of world literature from ancient times to the end of the seventeenth century. Beginning with the oral tradition, the course studies classical works and their impact on later literature, the spread of ideas beyond national and ethnic boundaries, and the influence of philosophy and religion on literature. Emphasis on critical reading and writing skills.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** ENGL 2111H, ENGL 2111S.**ENGL 2111H World Literature I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of great works of world literature from ancient times to the end of the seventeenth century. Beginning with the oral tradition, the course studies classical works and their impact on later literature, the spread of ideas beyond national and ethnic boundaries, and the influence of philosophy and religion on literature. Emphasis on critical reading and writing skills.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** ENGL 2111, ENGL 2111S.**ENGL 2111S World Literature I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of great works of world literature from ancient times to the end of the seventeenth century. Beginning with the oral tradition, the course studies classical works and their impact on later literature, the spread of ideas beyond national and ethnic boundaries, and the influence of philosophy and religion on literature. Emphasis on critical reading and writing skills.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** ENGL 2111, ENGL 2111H.**ENGL 2112 World Literature II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of great works of literature from the 1700's to the present. The course studies literary representation and reaction to the rise of science, industrialism, internationalism, and other forces shaping the modern and postmodern world. Emphasis on critical reading and writing skills.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** ENGL 2112H, ENGL 2112S.**ENGL 2112H World Literature II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of great works of literature from the 1700's to the present. The course studies literary representation and reaction to the rise of science, industrialism, internationalism, and other forces shaping the modern and postmodern world. Emphasis on critical reading and writing skills.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** ENGL 2112, ENGL 2112S.**ENGL 2112S World Literature II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of great works of literature from the 1700's to the present. The course studies literary representation and reaction to the rise of science, industrialism, internationalism, and other forces shaping the modern and postmodern world. Emphasis on critical reading and writing skills.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** ENGL 2112, ENGL 2112H.**ENGL 2131 Introduction to Literary Studies****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the fundamental principles of literary study, with special attention to critical approaches to language and literature, bibliography and research, and writing in the discipline. Required of all majors.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**ENGL 2132 Writing and Literary Research****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course involves the study of the writing of literary interpretation and critical argument, with special emphasis on bibliography and methods of research.

Prerequisite(s): A minimum grade of "C" in ENGL 2131.**ENGL 2231 British Literature I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of British literature and literary history from the Old English Period through the pre-Romantics, Focusing on literary types, themes, and historical, political, and cultural contexts.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** ENGL 2231S.**ENGL 2231S British Literature I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of British literature and literary history from the Old English Period through the pre-Romantics, Focusing on literary types, themes, and historical, political, and cultural contexts.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** ENGL 2231.**ENGL 2232 British Literature II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the major British literature from the Romantic Period (1780) to the present, focusing on major movements, authors, and themes.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** ENGL 2232S.**ENGL 2232H British Literature II (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the major British literature from the Romantic Period (1780) to the present, focusing on major movements, authors, and themes.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** ENGL 2232S.**ENGL 2232S British Literature II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the major British literature from the Romantic Period (1780) to the present, focusing on major movements, authors, and themes.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**ENGL 2331 American Literature I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of American Literature from the period of exploration and colonization through the Enlightenment and American Romanticism, concluding with the end of the Civil War.

Prerequisite(s): A minimum grade of "C" in ENGL 1102 .**Cross Listing(s):** ENGL 2331S.**ENGL 2331S American Literature I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of American Literature from the period of exploration and colonization through the Enlightenment and American Romanticism, concluding with the end of the Civil War.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** ENGL 2331.**ENGL 2332 American Literature II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of American literature from 1865 to the present, focusing on major movements, authors, and themes.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**ENGL 2434 The Language of Film****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the semantics of cinema and the evolution of the film language. The course will examine technical, literary, and cultural means and aspects of communicating meaning in film.

Prerequisite(s): ENGL 1102.

ENGL 3231 Survey of African-American Literature**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of African-American literature from its beginnings to the present, focusing on important movements, genres, and themes.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2332 and prior or concurrent enrollment in ENGL 2131.

ENGL 3232 The Art of Film Adaptation of Literature**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Comparative interpretation of the differences between literature and film and the complex challenges of turning diverse narrative literature into autonomous works of cinema.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

ENGL 3237 Women and Literature**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the literature by and about women, which reflects some of the myths, legends, and social forces molding the female character.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

ENGL 3338 Irish Cultural Identities**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of Irish cultural identities through literary perspectives on famine in Ireland, in the writings of Edmund Spenser and Jonathan Swift (among others); and in the writings of later authors who have responded to the Great Irish Famine of 1845-50, including James Clarence Mangan, Liam O'Flaherty, and Seamus Heaney.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

ENGL 3535 Patterns in Film and Literature**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A comparative interpretation of themes, ideas, and patterns in selected works of narrative literature, and cinema.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

ENGL 4133 The British Novel**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the development of the novel in English through the reading of a selective list of novels which best illustrate the main tendencies in the English fiction of the eighteenth and nineteenth centuries.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2232 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 4133S.

ENGL 4133S The British Novel**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the development of the novel in English through the reading of a selective list of novels which best illustrate the main tendencies in the English fiction of the eighteenth and nineteenth centuries.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2232 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 4133.

ENGL 4135 Chaucer**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of The Canterbury Tales and other selected works. May be used to fulfill the single author requirement.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2231 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 4135S.

ENGL 4135S Chaucer**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of The Canterbury Tales and other selected works. May be used to fulfill the single author requirement.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2231 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 4135.

ENGL 4237 The American Novel**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the development of the novel in America, eighteenth through twentieth centuries, with special study of a list of works selected to illustrate the major movements in American fiction.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2231 or ENGL 2332 and prior or concurrent enrollment in ENGL 2131.

ENGL 4337 Shakespeare**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A close reading of Shakespeare's major comedies, histories, selected romances, dramatic tragedies, and the sonnets offering students an overview of a major Western Literary Icon. Fulfills single author requirement.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2231 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 4337S.

ENGL 4337S Shakespeare**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A close reading of Shakespeare's major comedies, histories, selected romances, dramatic tragedies, and the sonnets offering students an overview of a major Western Literary Icon. Fulfills single author requirement.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2231 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 4337.

ENGL 4435 Single Author**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Devoted to the study of a single author whose work has occasioned a significant body of criticism. Students will focus on the body of the author's work and consider both historical context and critical response.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 4435S.

ENGL 4435S Single Author**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Devoted to the study of a single author whose work has occasioned a significant body of criticism. Students will focus on the body of the author's work and consider both historical context and critical response.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 4435.

ENGL 4630 Senior Seminar**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

In the senior seminar, English majors will study a discrete body of literature and conduct extensive research in literary criticism related to a specific topic. Emphasis will be on the individual preparation of research papers. Seminar topics will vary with professor.

Prerequisite(s): A minimum grade of "C" in ENGL 2131 and ENGL 2132.

ENGL 5090 Selected Topics**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Selected topics in English. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5090S and ENGL 5090G.

ENGL 5090S Selected Topics**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Selected topics in English. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5090, ENGL 5090G.

ENGL 5131 British Romanticism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of English Romantic poetry and prose, including major works of Blake, Wordsworth, Coleridge, Byron, the Shelleys, Keats, and many recently rediscovered authors of the period. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5131S, ENGL 5131G.

ENGL 5131S British Romanticism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of English Romantic poetry and prose, including major works of Blake, Wordsworth, Coleridge, Byron, the Shelleys, Keats, and many recently rediscovered authors of the period. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5131, ENGL 5131G.

ENGL 5134 The Age of Exuberance: British Literature 1660-1790**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of verse and prose from the Restoration to the Romantic period. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5134G.

ENGL 5135 Teaching Literature to Middle and Secondary School Students**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A course designed to introduce classroom approaches to literature to middle grades and high school teachers. It will include work with a variety of literary genres and multicultural texts. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2112 and ENGL 2131 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5135G.

ENGL 5136 Medieval British Literature: 700-1450**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course explores the rich and varied literature of medieval Britain, the region of Europe with the earliest vernacular literary tradition. From the Old English period, students will read heroic and elegiac poetry, as well as the religious poetry and prose written after the Christian conversion of the pagan Germanic tribes. From the Middle English period after the Norman Conquest, students will read some of the earliest dramatic works in English, the powerful writings of female religious mystics, as well as a sampling of romances concerning King Arthur. All works will be read in modernized English.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2231 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5136S and ENGL 5136G.

ENGL 5136S Medieval British Literature: 700-1450**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course explores the rich and varied literature of medieval Britain, the region of Europe with the earliest vernacular literary tradition. From the Old English period, students will read heroic and elegiac poetry, as well as the religious poetry and prose written after the Christian conversion of the pagan Germanic tribes. From the Middle English period after the Norman Conquest, students will read some of the earliest dramatic works in English, the powerful writings of female religious mystics, as well as a sampling of romances concerning King Arthur. All works will be read in modernized English.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2231 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5136 and ENGL 5136G.

ENGL 5138 Poetry and Prose of the English Renaissance**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study centering on the analysis and interpretation of Renaissance poetry with some involvement in its larger historical context, especially in its relationship with controversy. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2231 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5138G.

ENGL 5139 Victorian Prose and Poetry**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the Victorian Period in England with emphasis on the prose and poetry of major authors. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2232 and prior or concurrent enrollment in ENGL 2131

Cross Listing(s): ENGL 5139G.

ENGL 5230 Colonial American Literature**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A detailed study of the poetry and prose from 1492-1800 by writers, both in America and Europe, who describe and define a distinct American identity by means of an emerging literature and diverse cultural experience. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2331 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5230G.

ENGL 5231 American Romanticism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of representative authors of the Romantic Period in American literature (1820-1865). This course focuses on the complex social, cultural, and political forces at work in these writings and in the Romantic Movement in general, and especially the influences of the earlier Romantic Period in English literature (1798-1832). This course traces the development of the major literary styles and patterns in American Romanticism, such as the archetype of the American Adam and the myth of the American Dream; the importance of American innovation in literary language and form, especially in the use of frontier dialect; and the contributions to world literature of American literary theorists, such as Poe. Graduate students will be required to do additional work as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in ENGL 2131 and ENGL 2331.

Cross Listing(s): ENGL 5231G.

ENGL 5233 American Realism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of prose works of the American Realist period from 1850-1910, including writers such as Twain, Jewett, Chesnut, Gilman, Dreiser, Wharton, James, Crane, and Norris. Attention will be paid to canonical and non-canonical writers of the period, as well as regional and sentimental fiction. Graduate students will be required to do extra work as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2332 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5233G.

ENGL 5234 Southern Literature**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the literary achievements of the South from the Colonial period to the present. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2331 or ENGL 2332 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5234G.

ENGL 5235 Irish Literature to 1850**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course examines Irish literature from its beginnings in the Gaelic oral tradition to the Great Famine of the 1840s. Students gain clear understanding of how Ireland's colorful and complex history has yielded exceptional prose, poetry, and drama. Matters considered include Ireland's four mythological cycles; its pseudo-historical invasion narratives; and its hagiographies (accounts of saints' lives). Students also study writings that reflect the four major stages of British colonization: Cambro-Norse, Tudor, Jacobean (or Scots-Irish), and Cromwellian. In addition, they explore literary genres specific to Ireland: *dinnseanchas* (place-lore literature); the *aisling* (nationalist vision literature); the *caoineadh* (bardic lament literature); and the Big House novel, which often has Gothic overtones. The course exposes participants to other important phenomena, too: the so-called stage Irishman; the peasant archetype; literature of resistance and revolution; and travel writings in the sublime tradition. All texts studied are in English or English translation.

Prerequisite(s): A minimum grade of "C" in ENGL 2131 and ENGL 2231.

Cross Listing(s): ENGL 5235G.

ENGL 5236 Irish Literature since 1850**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Irish Literature since 1850 examines novels, short stories, plays, and poems produced in Ireland since the country's Great Famine. The course explores the Irish Cultural Revival that began in 1884 and lasted until the 1920s. It also considers literature about the revolutionary activity that precipitated the founding of the Irish Free State and Northern Ireland. The course ends by studying literary works that reflect changes in culture and identity caused by Ireland's unprecedented economic boom, which began in the mid-1990s. Students gain knowledge about a range of authors, including James Joyce, William Butler Yeats, Lady Augusta Gregory, George Bernard Shaw, Samuel Beckett, Seamus Heaney, Evan Boland, and others.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2131 and prior or concurrent enrollment in ENGL 2232.

Cross Listing(s): ENGL 5236G, ENGL 5236H.

ENGL 5238 Irish Women Writers**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Irish Women Writers examines literature produced by Irish and Irish diasporic women across the centuries. It explores mythic and other female archetypes that affect and are represented in Irish women's writing. It also scrutinizes the different types of Irish women's writing, including novels, short stories, poetry, and drama, as well as testificatory, epistolary, controversialist and other specialized genres. The course assesses Irish women's writing in relation to key historical, cultural, political, and socio-economic circumstances that inform it and upon which it comments.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2231 or ENGL 2232 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5238G.

ENGL 5330 World Drama to Romanticism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of representative works of dramatic literature, primarily of the western world, from Aeschylus through Beaumarchais, excluding English drama. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2231 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5530G, COML 5330, COML 5330G.

ENGL 5331 British Drama to 1642**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of British drama from the Middle Ages through the Renaissance, focusing on historical and cultural contexts of the drama. Students will learn about medieval guilds and the mystery plays they produced, morality plays such as *Everyman*, and interludes and other dramas performed in courtly settings. Much of the course will focus on the vibrant professional theater that developed in sixteenth- and seventeenth-century London. Students will learn about some of Shakespeare's talented contemporaries, not only Marlowe and Jonson but also Webster, Middleton, Ford, and other playwrights whose vigorous and sometimes shocking plays offer a fascinating look at early modern English theater and life.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2331 and prior or concurrent enrollment in ENGL 2231.

Cross Listing(s): ENGL 5331G.

ENGL 5332 British Drama since 1660**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of British drama from the reopening of the theatres in 1660 to modern times. Students will study important plays from the English Restoration and Neo-Classical period (e.g., Congreve, Dryden, Goldsmith, Sheridan), the Romantic period (e.g., Shelley), the Victorian period (e.g., Wilde, Synge, Shaw), as well as plays from the 20th Century (e.g., Pinter, Beckett, Stoppard). Plays will be studied in their historical and critical contexts.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2232 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5332G.

ENGL 5430 Contemporary Poetry**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of English language poetry written since World War II with an emphasis on major figures and literary movements. Significant attention will be paid to the diversity and multinational character of contemporary English language verse. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5430G.

ENGL 5432 Twentieth Century British Literature**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of major British and Commonwealth poets, novelists, and dramatists against the background of the major social and cultural changes of the twentieth century. Graduate students will be required to do extra work as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2232 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5432G, ENGL 5432S.

ENGL 5432S 20th C British Literature**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of major British and Commonwealth poets, novelists, and dramatists against the background of the major social and cultural changes of the twentieth century. Graduate students will be required to do extra work as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in ENGL 2231, ENGL 2232, ENGL 2331, ENGL 2332, ENGL 2131.

Cross Listing(s): ENGL 5432, ENGL 5432G.

ENGL 5434 Milton**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of one of the greatest and most exciting of all English poets, based on close study of his work and exploration of the religious and historical circumstances of its time. We will read all of "Paradise Lost", a wide selection of Milton's other poetry, and some of the most important of his prose works. May be used to fulfil the single author requirement.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2231 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5434G.

ENGL 5438 Modern Poetry to 1945**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of British, Irish, and American poets and poetry since 1900, emphasis being placed on the more influential, such as Yeats, Pound, Frost, Eliot, and Stevens. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5438G.

ENGL 5530 The Bible as Literature**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the literary dimension of the English Bible. Major emphasis is upon the literary themes, types, personalities, and incidents of the Old and New Testaments. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): COML 5530, COML 5530G, ENGL 5530G, RELS 5530, RELS 5530G.

ENGL 5533 Literary Criticism and Theory**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An historical survey of literary criticism and theory from antiquity to modern times. Literary criticism considers issues important for all students of literature, such as the value of poetry in our world, the power of poets to represent reality or truth, and the sources of poetic inspiration. This course also delves into the subject of aesthetics, the nature of beauty, and the variety of forces that impact how humans respond to literature.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2231, ENGL 2232, ENGL 2331, ENGL 2332, prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): COML 5533.

ENGL 5534 Literature for Adolescents**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of literature, primarily (but not exclusively) narrative, on the subject of adolescence, with emphasis on analyzing and evaluating contemporary literature written especially for or about adolescents. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5534G.

ENGL 5535 Children's Literature**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of literature written for or read by children with a focus on British and American classics. Students will read and write critical analyses of these works with special attention to the history of childhood. Authors studied may include the Brothers Grimm, Lewis Carroll, Louisa May Alcott, Mark Twain, Kenneth Grahame, Frances Hodgson Burnett, and others. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5535G.

ENGL 5536 Post-Colonial Literature**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines and evaluates the diverse "common-wealth" of post-colonial Anglophone literature written by authors from countries that were formerly part of the British Empire: Africa, Australia, Canada, the Indian sub-continent, Ireland, New Zealand, Southeast Asia, and the West Indies. Highlights the use of a variety of reading and critical strategies to analyze the formal and linguistic complexities and innovations of this literature.

Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2232 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): COML 5536, COML 5536G, ENGL 5536G.

ENGL 5538 World Fiction since 1900**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of some of the major works of fiction written by American, British, and World authors since 1900. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5538G.

ENGL 5539 Literature by Women**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of classic, contemporary, and experimental writing by women in all genres, with special emphasis on the polemical and theoretical bases of and critical approaches to such texts. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s): ENGL 5539G.

ENGR Engineering

ENGR 1133 Engineering Graphics**0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.**

Introduction to engineering graphics and visualization including sketching, line drawing, simple wire-frame and solid modeling. Development and interpretation of drawings and specifications for product realization.

Cross Listing(s): ENGR 1133H.

ENGR 1133H Engineering Graphics**0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.**

Introduction to engineering graphics and visualization including sketching, line drawing, simple wire-frame and solid modeling. Development and interpretation of drawings and specifications for product realization.

Cross Listing(s): ENGR 1133.**ENGR 1731 Computing for Engineers****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Foundations of computing with an introduction to design and analysis of algorithms and an introduction to design and construction of programs for engineering problem-solving.

Prerequisite(s): Prior or concurrent enrollment in MATH 1441 or MATH 1113.**Cross Listing(s):** ENGR 1731H.**ENGR 1731H Computing for Engineers****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Foundations of computing with an introduction to design and analysis of algorithms and an introduction to design and construction of programs for engineering problem-solving.

Prerequisite(s): MATH 1441.**Cross Listing(s):** ENGR 1731.**ENGR 1732 Program Design for Engineers****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course will introduce engineering students to applications for engineering problem-solving and object-oriented programming principles in Electrical and Computer Engineering using standard (ANSI) C and C++. An introduction to interfacing with FORTRAN is also given.

Prerequisite(s): A minimum grade of "C" in ENGR 1731.**Cross Listing(s):** ENGR 1732H.**ENGR 1732H Program Design for Engineers****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course will introduce engineering students to applications for engineering problem-solving and object-oriented programming principles in Electrical and Computer Engineering using standard (ANSI) C and C++. An introduction to interfacing with FORTRAN is also given.

Prerequisite(s): A minimum grade of "C" in ENGR 1731.**Cross Listing(s):** ENGR 1732.**ENGR 2112 Solid Modeling and Analysis****1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.**

The course is intended to develop a working skill in parametric solid modelling software. In addition to creating solid models, students will develop a basic proficiency in structures and thermal analysis software.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGR 1133 and prior or concurrent enrollment in ENGR 3233.**Corequisite(s):** ENGR 3233.**ENGR 2131 Electronics and Circuit Analysis****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This course introduces electric circuit elements, electronic devices, digital systems, and analysis of circuits containing such devices in order to provide students with the fundamental knowledge of electrical engineering principles and applications. Basic concepts of laboratory practice and instruments in the analysis of elementary electrical circuits will be covered in this course.

Prerequisite(s): PHYS 2212 and PHYS 1114 or Permission of Instructor.**ENGR 2131H Electronics and Circuit Analysis****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This course introduces electric circuit elements, electronic devices, digital systems, and analysis of circuits containing such devices in order to provide students with the fundamental knowledge of electrical engineering principles and applications. Basic concepts of laboratory practice and instruments in the analysis of elementary electrical circuits will be covered in this course.

Prerequisite(s): PHYS 2212 and PHYS 1114 or Permission of Instructor.**ENGR 2231 Engineering Mechanics I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Fundamental concepts of mechanics. Statics of particles. Moments and equivalent systems of forces on rigid bodies; equilibrium of rigid bodies. Distributed forces-centroids and centers of gravity. Analysis of trusses, frames and machines. Internal normal and shearing forces, bending moments, and torque. Shear and bending moment diagrams, relations between distributed load, shear, and bending moment. Friction. Distributed forces area moments of inertia.

Prerequisite(s): MATH 2242 and PHYS 2211.**ENGR 2232 Dynamics of Rigid Bodies****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Kinematics and dynamics of particles and rigid bodies in one, two, and three dimensions using Newton's Second Law Method, Work-Energy and Impulse-Momentum methods. Mass moments of inertia and products of inertia.

Prerequisite(s): A minimum grade of "C" in ENGR 2231.**ENGR 2323 Digital Design Lab****0,2 Credit Hours. 0,1 Lecture Hours. 0,3 Lab Hours.**

Design and implementation of digital systems, including a team design project. CAD tools, project design methodologies, logic systems, and assembly language programming.

Prerequisite(s): A minimum grade of "C" in ENGR 2332.**ENGR 2332 Introduction to Computer Engineering****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Computer systems and digital design principles. Architectural concepts, software, Boolean algebra, number systems, combinational datapath elements, sequential logic and storage elements. Design of DRAM control and I/O bus.

Prerequisite(s): A minimum grade of "C" in ENGR 1731 or Equivalent.**ENGR 2334 Circuit Analysis****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the basic concepts of DC and AC circuit theory and analysis.

Prerequisite(s): A minimum grade of "C" in all of the following: PHYS 2212 and MATH 3230 and prior or concurrent enrollment in ENGR 2341.**ENGR 2341 Introduction to Signal Processing****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Introduction to signal processing for discrete-time and continuous-time signals. Filtering, Frequency Response, Fourier Transform, and Z Transform. Laboratory emphasizes computer-based signal processing.

Prerequisite(s): A minimum grade of "C" in MATH 2242 and ENGR 1731 or Equivalent.**ENGR 2431 Creative Decisions and Design****0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.**

Fundamental techniques for creating, analyzing, synthesizing, and implementing design solutions to open-ended problems through team and individual efforts utilizing flexibility, adaptability, and creativity.

Prerequisite(s): A minimum grade of "C" in ENGR 1133 and ENGR 2231, and prior or concurrent enrollment with a minimum grade of "C" in MATH 2430.**ENGR 3233 Mechanics of Materials****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Definition and analysis of stress and strain, mechanical properties of materials, axially loaded members, torsion of circular sections, bending of beams, transformation of stress and strain, design of beams, and buckling of columns.

Prerequisite(s): MATH 2243 and MATH 3230 and a minimum grade of "C" in ENGR 2231.

ENGR 3235 Fluid Mechanics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course includes fundamentals of fluid statics and fluid dynamics for incompressible fluids, fluid properties, static and dynamic forces, Bernoulli's equation, pipe flow and losses, open channel flow and flow measurement. The course also includes methods, procedures and the use of equipment to measure standard fluid properties and phenomena.

Prerequisite(s): MATH 2243 and MATH 3230 and a minimum grade of "C" in ENGR 2231.

Cross Listing(s): ENGR 3235H.

ENGR 3235H Fluid Mechanics (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course includes fundamentals of fluid statics and fluid dynamics for incompressible fluids, fluid properties, static and dynamic forces, Bernoulli's equation, pipe flow and losses, open channel flow and flow measurement. The course also includes methods, procedures and the use of equipment to measure standard fluid properties and phenomena.

Prerequisite(s): MATH 2243 and MATH 3230 and a minimum grade of "C" in ENGR 2231.

Cross Listing(s): ENGR 3235.

ENGR 3310 Circuit Analysis Lab**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

Laboratory experimentations to enhance understanding of analytical principles developed in ENGR 2334 (Circuit Analysis). Design and implementation of analog circuits (DC and AC). Proficiency with standard electronic instrumentation including multimeters, oscilloscopes, dual power supplies, and function generators. Simulation tools are used to verify experimental results.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGR 2334 and prior or concurrent enrollment in EENG 3335 or permission of instructor.

ENGR 3431 Thermodynamics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Thermodynamic properties, state postulate, work interactions, steady-state and transient energy and mass conservation, entropy and the second law. First and Second Law analysis of thermodynamic systems. Gas cycles and vapor cycles.

Prerequisite(s): PHYS 2211.

Cross Listing(s): ENGR 3431H.

ENGR 3431H Thermodynamics (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Thermodynamic properties, state postulate, work interactions, steady-state and transient energy and mass conservation, entropy and the second law. First and Second Law analysis of thermodynamic systems. Gas cycles and vapor cycles.

Prerequisite(s): PHYS 2211.

Cross Listing(s): ENGR 3431.

ESED Element - Secondary Education

ESED 2230 Cognition and Language**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****ESED 4090 Special Topics****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Promotes specialized training appropriate to the needs of pre-service teachers. Attention will be given to a range of specific problems as they relate to the elementary, middle, or secondary schools and teaching field.

Prerequisite(s): Approval of advisor, instructor, and department chair.

ESED 4739 edTPA Seminar**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

edTPA Internship Support Seminar is a hybrid course for candidates who must retake edTPA. This course consists of a six week internship consisting of on-campus class sessions on identified dates and a daily field experience (7:45 am - 12 noon). The course will occur during the first six weeks of the semester. Learning in this seminar supports successful completion of the internship and state-mandated edTPA evaluation of teaching practice. Candidates reflect on their own practice in relation to planning, instruction, and assessment. Candidates must be approved to take this course. This course is for certification purposes and is not part of course work or program of study.

Prerequisite(s): A minimum grade of "S" in ECED 5799 or MGED 5799 or EDED 5799 or SPED 5799.

ESED 4890 Directed Individual Study**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

The student, under the direction of the instructor, will identify and study a topic applicable to a teaching field and level of certification.

Prerequisite(s): Approval of advisor, instructor, and department chair.

ESED 5233 Applied Linguistics: ESOL**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An in-depth study of the major theories of first and second language acquisition and their implications for instruction. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

ESED 5234 Cultural Issues: ESOL**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The principles of culture and its link to second language learning, as well as, problems of teaching in a multicultural classroom. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

ESED 5235 Methods for ESOL**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to current second language acquisition theory and its application to curriculum development and instructional strategies. Participants in this course will design curriculum and learning activities that facilitate the use of English as a Second Language in listening, speaking, reading, and writing. In addition, participants will learn how to develop strategies for integrating school, neighborhood, and home resources to further the education of ESOL students. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in ESED 5233 and ESED 5234; and prior or concurrent enrollment with a minimum grade of "C" in ECED 3732 or MGED 3431 or MGED 3731 or SPED 3711 or KINS 4430 or KINS 4431; and admission to Teacher Education Program or hold a valid teaching certification.

ESED 5799 Student Teaching in P-12 Education**9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Student Teaching is a period of guided teaching during which the candidate, under the direction of a clinical supervisor, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities.

ESL English as a Second Language

ESL 0090A Reading and Writing I**4 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

A beginning level reading and writing class for non-native speakers of English.

ESL 0090B Listening and Speaking I**4 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

A beginning level class designed to help non-native speakers of English develop communication skills through a variety of listening and speaking activities.

ESL 0090C Grammar I**4 Credit Hours. 5 Lecture Hours. 0 Lab Hours.**

A basic structure class for beginning non-native speakers of English.

ESL 0090D Computer I**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

A class designed to help beginning non-native speakers of English students learn how to use the computer as a way of improving their language skills.

ESL 0090E U. S. Culture I**3 Credit Hours. 4 Lecture Hours. 0 Lab Hours.**

An introduction to the customs, behaviors, and attitudes most prevalent in US society, including experiential learning through field trips.

ESL 0091A Reading and Writing II**4 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

An intermediate reading and writing class for non-native speakers of English.

ESL 0091B Listening and Speaking II**4 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

An intermediate level class designed to help non-native speakers of English develop communication skills through a variety of listening and speaking activities.

ESL 0091C Grammar II**4 Credit Hours. 5 Lecture Hours. 0 Lab Hours.**

An intermediate structure class for non-native speakers of English.

ESL 0091D Computer II**3 Credit Hours. 0 Lecture Hours. 4 Lab Hours.**

An intermediate class designed to help non-native speakers of English learn how to use the computer as a way of improving their language skills.

ESL 0091E U. S. Culture II**3 Credit Hours. 4 Lecture Hours. 0 Lab Hours.**

An intermediate course on the customs, behaviors, and attitudes most prevalent in US society, including experiential learning through field trips.

ESL 0092A Reading and Writing III**4 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

An advanced level reading and writing class for non-native speakers of English.

ESL 0092B Listening and Speaking III**4 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

An advanced level class designed to help non-native speakers of English develop communication skills through a variety of listening and speaking activities.

ESL 0092C Grammar III**4 Credit Hours. 5 Lecture Hours. 0 Lab Hours.**

An advanced structure class for non-native speakers of English.

ESL 0092D Computer III**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

An advanced class designed to help non-native speakers of English learn how to use the computer as a way of improving their language skills.

ESL 0092E U. S. Culture III**3 Credit Hours. 4 Lecture Hours. 0 Lab Hours.**

An in-depth course on the customs, behaviors, and attitudes most prevalent in US society, including experiential learning through field trips.

ESL 0093 Eng as a Second Language I**6 Credit Hours. 5 Lecture Hours. 2 Lab Hours.**

An intensive course designed for students whose native language is not English. Includes listening and speaking skills, reading comprehension, with an emphasis on vocabulary development, basic grammar review, and writing clear, logical, well-structured essays. Students may be required to pass this course before they are recommended to enter WRIT 0095 or ENGL 1101, depending on their proficiency.

Prerequisite(s): Placement dependent upon successful score on Michigan Test of English Language Proficiency and a writing example.

Cross Listing(s): WRIT 0093.

ESL 0095 Eng as a Second Language II**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Designed for students whose native language is not English. Includes group discussion skills, interpretation of short readings, advanced grammar review, and writing clear, logical, well-structured essays. Students may be required to pass this course before they can enter ENGL 1101.

Prerequisite(s): Placement dependent upon successful score on Michigan Test of English Language Proficiency and a writing sample.

Cross Listing(s): WRIT 0095.

EURO European Union

EURO 3234 Introduction to the European Union**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will introduce students to the history, institutions, policies, and cultures of the European Union and its member states.

Cross Listing(s): EURO 3234, INTS 3234, POLS 3234.

EURO 3234S Intro to European Union**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will introduce students to the history, institutions, policies, and cultures of the European Union and its member states.

EURO 4090 Selected Topics in the International Studies**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Selected Topics in International Studies.

Cross Listing(s): INTS 4090.

EURO 4130 European Law and Legal Systems**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the legal institutions that constitute the European Union, and the legal processes of those institutions. The course begins with a brief overview of the European Union, including the historical antecedents that preceded the present day entity of the EU.

Prerequisite(s): POLS 1101.

EURO 4230 Doing Business in the European Union and United States**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is intended for non-business majors. For this reason, an introduction to economics is included. The course compares the general legal rules and cultural environment of running a business in the European Union and the United States. Topics include government regulations, labor relations, cultural values, consumer behavior, mergers, and marketing.

Prerequisite(s): EURO 3234.

EURO 4330 Science and Technology Policy**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The purpose of this course is to introduce the Science and Technology Policy of the European Union (EU). This is an introductory course about the history, goals, and issues of the EU related to science, industry, and technology.

Prerequisite(s): EURO 3234.

FACS Family and Consumer Sciences

FACS 4090Q Selected Topics in FCS (Qtr)

12 Credit Hours. 12 Lecture Hours. 0 Lab Hours.

This course is carry over from Quarters and is valid only for the initial Fall '98 Semester. 8/18/98 dda.

FACS 4090S Selected Topics in Family and Consumer Sciences

0-3 Credit Hours. 0-3 Lecture Hours. 0-3 Lab Hours.

Scheduled on an infrequent basis to explore new research and emerging knowledge in Family and Consumer Sciences and related fields. This course will carry a subtitle.

FACS 4238H Child Life Practicum (Honors)

3 Credit Hours. 2 Lecture Hours. 4 Lab Hours.

This course is designed to familiarize students with the Child Life profession. Through observation and interaction, the student will gain a working knowledge of how children and families are affected by illness and hospitalization. The student will be supervised in the clinical setting by a certified child life specialist and will have the opportunity to learn how child life specialists apply theory to practice. The course will include weekly lab hours in a children's hospital. Students will be selected for this course through an application and interview process.

Prerequisite(s): CHFD 2135 and CHFD 2137 and CHFD 3137 and CHFD 4131.

FACS 4610 Senior Seminar

1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

To prepare senior level students to acquire employment and/or internship in their chosen professional field.

FACS 4890S Directed Individual Study

1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Provides the student with the opportunity to study topics and issues relevant to the Family and Consumer Science profession in an individual setting. The student will be able to work with the faculty in a rigorous, closely directed, research or exploratory environment.

Prerequisite(s): Permission of Instructor.

FILM Film

FILM 2331 Introduction to Film Studies

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduces the creative elements of cinema including screen writing, performance, cinematography, editing, sound, and directing. Selected films will be screened and analyzed.

Cross Listing(s): FILM 2331S.

FILM 2331S Introduction to Film Studies

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduces the creative elements of cinema including screen writing, performance, cinematography, editing, sound, and directing. Selected films will be screened and analyzed.

Cross Listing(s): FILM 2331.

FILM 3030 Selected Topics in Film

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Offers various courses in specialty areas of film studies.

Prerequisite(s): FILM 2331.

FILM 3030S Selected Topics in Film

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Offers various courses in specialty areas of film studies.

Prerequisite(s): FILM 2331.

FILM 3331 History of American Film

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Surveys the history of American film recognizing the influence of international cinema upon American film. Selected films of historical significance will be screened and analyzed.

Cross Listing(s): FILM 3331S.

FILM 3331S History of American Film

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Surveys the history of American film recognizing the influence of international cinema upon American film. Selected films of historical significance will be screened and analyzed.

Cross Listing(s): FILM 3331.

FILM 3332 Documentary Film

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Explores the documentary film genre as an art form and as a medium of communication. Landmark documentary films will be screened and analyzed.

Prerequisite(s): FILM 2331.

Cross Listing(s): FILM 3332S.

FILM 3332S Documentary Film

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Explores the documentary film genre as an art form and as a medium of communication. Landmark documentary films will be screened and analyzed.

Prerequisite(s): FILM 2331.

Cross Listing(s): FILM 3332.

FILM 3333 Art of Film

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides detailed analysis of selected masterpiece films emphasizing aesthetics.

Prerequisite(s): FILM 2331.

FILM 3333S Art of Film

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides detailed analysis of selected masterpiece films emphasizing aesthetics.

Prerequisite(s): FILM 2331.

FINC Finance

FINC 3130 Financial Tools and Methods

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Fundamental concepts and analytical methods in finance. Emphasis on spreadsheet applications, mathematics of finance, and statistical analysis.

Prerequisite(s): A minimum grade of "C" in ACCT 2101.

FINC 3131 Principles of Corporate Finance

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of fundamental concepts, theories, tools of analysis and problems of managerial finance in business.

Prerequisite(s): A minimum grade of "C" in ACCT 2101 or ACCT 2030.

Cross Listing(s): FINC 3131H and FINC 3131S.

FINC 3131H Principles of Corporate Finance

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of fundamental concepts, theories, tools of analysis and problems of managerial finance in business.

Prerequisite(s): A minimum grade of "C" in ACCT 2101 or ACCT 2030.

Cross Listing(s): FINC 3131 and FINC 3131S.

FINC 3131S Principles of Corporate Finance

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of fundamental concepts, theories, tools of analysis and problems of managerial finance in business.

Prerequisite(s): A minimum grade of "C" in ACCT 2101 or ACCT 2030.

Cross Listing(s): FINC 3131 and FINC 3131H.

FINC 3132 Intermediate Financial Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of financial risk and return, capital budgeting, valuation, capital structure, working capital management and current topics in financial management.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 3133 International Finance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the financial markets and institutions which make international trade and capital flows possible. Its emphasis is on understanding exchange rates and hedging the risks inherent in cross-border transactions.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**Cross Listing(s):** FINC 3133S.**FINC 3133S International Finance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the financial markets and institutions which make international trade and capital flows possible. Its emphasis is on understanding exchange rates and hedging the risks inherent in cross-border transactions.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**Cross Listing(s):** FINC 3133.**FINC 3134 Enterprise Risk Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the identification, evaluation, financing and control of both financial and business risk and the techniques that are used to manage cash inflows and outflows in such a way as to maximize the value of the firm. Integrated risk management of the entire business enterprise is emphasized throughout the course. Risk management techniques to include hedging, diversification, risk transfer and insurance are examined.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 3231 Investments****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of investment theory and practice, investment strategies and portfolio construction and management. Particular attention is given to the valuation of common stock, bonds, and derivative securities, such as options and futures.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 3331 Financial Institutions****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the nature, purpose and economic functions of financial markets and institutions. The various domestic and foreign financial markets are included, as well as the key characteristics, operations, and regulatory aspects of depository and non-depository financial institutions, such as commercial banks, securities firms and investment banks, and insurance companies.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 3531 Principles of Risk and Insurance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introductory study of the risk management process and the importance of insurance as a method of managing risk. This course is meant to develop awareness of the nature of risk, its effects on both individual and business financial decisions, and the methods available for managing risk.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 4030 Special Topics in Finance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A course that will allow students to learn about timely specialized topics that are not part of the regular curriculum in Finance, including but not limited to Small Business Start-Up Finance, Credit Derivatives, and Federal Reserve Policy.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 4231 Personal Financial Planning****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of fundamentals of personal financial planning to include: the financial planning process, asset management, liability management and risk management.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 4232 Security Analysis****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines some of the key assumptions underlying the major areas of investments, i.e. portfolio theory, derivative asset pricing, and asset valuation. It provides a thorough examination of various topics found in the academic as well as financial press.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 4233 Estate Planning****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Planning for various financial contingencies, and asset management on a personal level. Creating an integrated financial plan using insurance, investments, taxes and trusts.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 4234 Personal Insurance Planning****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of alternative methods of managing the primary pure risk exposures of individuals: life, health and property-casualty risks. The course emphasizes the use of insurance as the primary tool for managing hazard risks facing households.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 4331 Bank Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides an introduction to the commercial bank industry, its organization, structure, and regulation. The lending and investment functions of banking are examined along with liability and capital management issues including de novo banking and merger/acquisition. Its purpose is to offer an overview of commercial banks and their delivery role in the financial services industry.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 4332 Bank Management II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course will prepare students for decision-making under uncertainty. Bank management decisions are based on current financial positions and target measures of success. Decisions are influenced by anticipation of variations in market conditions, including competitive forces, governmental regulation, monetary policy and macro-economic variables.

Prerequisite(s): A minimum grade of "B" in FINC 4331.**FINC 4333 Commercial Bank Lending****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to bank lending, focusing on key concepts and tools in credit analysis "statement logic and cash flow cycles" and applying them in commercial loan underwriting and consumer lending. Attention will also be given to core loan administration practices and its role in managing portfolio quality risks.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 4431 Principles of Real Estate****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Covers a real estate transaction in enough depth to guide the student through a transaction with minimal outside help (attorney, etc.). It also helps the student identify those economic factors that will add value to the property through time. In addition, the student will be introduced to several areas of real estate as a possible profession.

FINC 4433 Real Estate Appraisal**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The study of the valuation of real estate and of ownership rights in real estate. Concentration is primarily on residential real estate.

Prerequisite(s): Juinor standing.

FINC 4435 Real Estate Finance and Investments**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An analysis of real estate markets, investment decisions and the form and function of financing alternatives. The student should acquire a basic understanding of investment cash flow analysis and the calculations and measurements required for the quantitative real estate investment, valuation and income-property analysis.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 4532 Life, Health and Retirement Planning****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Analysis of personal and business life and health insurance needs, characteristics of plans appropriate to meet needs, and unique legal and tax aspects in insurance planning. This includes a study of basic concepts and managerial concerns underlying the group insurance mechanism and the characteristics of various qualified retirement planning vehicles. Consideration is also given to functional aspects of life insurer operations such as ratemaking, reserving, underwriting and financial statement analysis.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 4534 Commercial Risk Management and Insurance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course involves property and liability risks and the effective management of these risks with insurance. Application of property insurance to pure risk exposures including direct and indirect property. Application of liability insurance to general liability and catastrophic liability risks. Current topics in the field of commercial property and liability insurance.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**Cross Listing(s):** ECON 4534.**FINC 4535 Insurance Industry Operations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A discussion of the composition and financial structure of the insurance industry. Functional analysis of the operations of insurance organizations will include legal organization, marketing systems, management and control, underwriting, rating, financial analysis, ratemaking and regulation.

Prerequisite(s): A minimum grade of "C" in FINC 3131.**FINC 4790 Internship in Finance****3-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The student is required to work with/for a manager of the enterprise in a management training or special projects capacity. Management level responsibilities and duties are expected of the student.

FINC 4830 Special Problems in Finance**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that is under the direction of a faculty sponsor. The course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with the faculty sponsor.

Prerequisite(s): Junior standing.**Cross Listing(s):** FINC 4830S.**FINC 4830S Special Problems in Finance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that is under the direction of a faculty sponsor. The course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with the faculty sponsor.

Prerequisite(s): Junior standing.**Cross Listing(s):** FINC 4830.**FINC 4890 Directed Study in Finance****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Designed for independent study and research in selected areas of finance under faculty supervision.

Prerequisite(s): Permission of Department Chair.

FMAD Fashion Merchandising and Apparel Design

FMAD 1234 Apparel I**0,3 Credit Hours. 0,1 Lecture Hours. 0,4 Lab Hours.**

A study of selection, fit and care of wearing apparel with the primary focus on custom garments. Experiences include traditional and contemporary methods of apparel construction.

FMAD 2220 Understanding Aesthetics**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

An in-depth investigation of aesthetics and how aesthetics applies to the roles of the fashion/apparel industry professional.

FMAD 2230 Social and Psychological Aspects of Clothing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The cultural, social, psychological, and economic aspects of clothing which affect the selection and usage of clothing by the consumer.

Cross Listing(s): FMAD 2230H.**FMAD 2230H Social Psych Clothing-Honors****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The cultural, social, psychological, and economic aspects of clothing which affect the selection and usage of clothing by the consumer.

Cross Listing(s): FMAD 2230.**FMAD 2610 Professional Seminar****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

To prepare Fashion Merchandising and Apparel Design students for the major. Emphasis is on professional development, knowledge and skills needed for various careers in the fashion industry, how to develop a portfolio, how to acquire employment and/or internship in their chosen emphasis.

FMAD 3030 Selected Topics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Scheduled on an infrequent basis to explore special areas in Fashion and Apparel and will carry subtitle.

FMAD 3030S Selected Topics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Scheduled on an infrequent basis to explore special areas in Fashion and Apparel and will carry subtitle.

FMAD 3231 Fashion Fundamentals**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey course of the fashion industry. Fashion terminology, influential designers of the nineteenth and twentieth centuries, influences on fashion, leading fashion centers, auxiliary fashion enterprises, career opportunities and current trends in merchandising are discussed.

Prerequisite(s): FMAD 1234, FMAD 2230, LSTD 2106.**Cross Listing(s):** FMAD 3231H.**FMAD 3231H Fashion Fundamentals****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey course of the fashion industry. Fashion terminology, influential designers of the nineteenth and twentieth centuries, influences on fashion, leading fashion centers, auxiliary fashion enterprises, career opportunities and current trends in merchandising are discussed.

Prerequisite(s): FMAD 1234, FMAD 2230, LSTD 2106.**Cross Listing(s):** FMAD 3231.**FMAD 3232 Principles of Merchandising****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the processes required to bring consumer goods to the marketplace. The retail buyer's role is explored in the selection process at the wholesale market, resource development, assessment of quality of goods and classification merchandising.

Prerequisite(s): FMAD 3231.

FMAD 3232H Principles of Merchandising**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the processes required to bring consumer goods to the marketplace. The retail buyer's role is explored in the selection process at the wholesale market, resource development, assessment of quality of goods and classification merchandising.

Prerequisite(s): FMAD 3231.**FMAD 3233 Visual Merchandising****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Principles and applications of the visual presentation of merchandise including display, design and materials appropriate to a store's image.

Prerequisite(s): FMAD 3232.**FMAD 3233H Visual Merchandising (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Principles and applications of the visual presentation of merchandise including display, design and materials appropriate to a store's image.

Prerequisite(s): FMAD 3232.**FMAD 3234 Textiles****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Emphasizes the fiber characteristics, fabric properties, and manufacturing processes that affect the selection, use, and care of textile goods.

Prerequisite(s): FMAD 3231.**FMAD 3235 History of Costume****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Chronological survey of the development and characteristics of historic costume from the ancient Egyptian culture to the present.

Cross Listing(s): FMAD 3235H.**FMAD 3235H History of Costume****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Chronological survey of the development and characteristics of historic costume from the ancient Egyptian culture to the present.

Cross Listing(s): FMAD 3235.**FMAD 3236 Apparel II****3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.**

Investigates the art principles as they relate to apparel selection and the importance of quality and price in wardrobe selection. The student gains experience in advanced construction skills necessary to manipulate current fashion fabrics into a garment.

Prerequisite(s): A minimum grade of "C" in FMAD 1234.**Cross Listing(s):** FMAD 3236H.**FMAD 3236H Apparel II (Honors)****3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.**

Investigates the art principles as they relate to apparel selection and the importance of quality and price in wardrobe selection. The student gains experience in advanced construction skills necessary to manipulate current fashion fabrics into a garment.

Prerequisite(s): A minimum grade of "C" in FMAD 1234.**Cross Listing(s):** FMAD 3236.**FMAD 3237 Apparel Analysis****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An in-depth investigation of the development, production, and comparison of wearing apparel. Focus on the structural, functional and decorative aspects of apparel. Emphasis on sourcing of companies and materials, costing of product line, and comparing design and manufacturing techniques that affect price, quality, and size of apparel.

Prerequisite(s): FMAD 1234.**Cross Listing(s):** FMAD 3237H.**FMAD 3237H Apparel Analysis (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An in-depth investigation of the development, production, and comparison of wearing apparel. Focus on the structural, functional and decorative aspects of apparel. Emphasis on sourcing of companies and materials, costing of product line, and comparing design and manufacturing techniques that affect price, quality, and size of apparel.

Prerequisite: FMAD 1234.**Cross Listing(s):** FMAD 3237.**FMAD 3239 Fashion Illustration****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Techniques in fashion illustration and technical drawing for application in the fashion industry.

FMAD 3330 Global Apparel and Textile Production**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Analysis of social responsibility, economics, cultural values, and trade policy on the global production, distribution, and consumption of apparel and textile products. Prerequisite(s): A minimum grade of "C" in FMAD 3231.

FMAD 4231 Apparel Design Analysis I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Application of principles involved in designing apparel using flat pattern techniques.

Prerequisite(s): FMAD 3236.**FMAD 4232 Apparel Design Analysis II****0,3 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.**

Application of principles involved in designing apparel using draping techniques.

Prerequisite(s): FMAD 3236.**FMAD 4234 Fashion Presentation and Promotion****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Principles and practice of merchandise presentation and promotion at the wholesale and retail levels. Experience in planning, executing, and evaluating fashion promotions.

Prerequisite(s): FMAD 3232 or Permission of Instructor.**FMAD 4234H Fashion Present and Promo****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Principles and practice of merchandise presentation and promotion at the wholesale and retail levels. Experience in planning, executing, and evaluating fashion promotions.

Prerequisite(s): FMAD 3232 or Permission of Instructor.**FMAD 4235 Computer-Aided Design****0,3 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.**

Investigation and application of computer technology in textile design, apparel design and apparel design and apparel manufacturing.

Prerequisite(s): FMAD 1234 and either CISM 1110, CISM 1120, CISM 1130.**FMAD 4235H Computer-Aided Design (Honors)****0,3 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.**

Investigation and application of computer technology in textile design, apparel design and apparel design and apparel manufacturing.

Prerequisite(s): FMAD 1234 and either CISM 1110, CISM 1120, CISM 1130.**FMAD 4236 Fashion Study Tour****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Supervised field study which includes an integrative study of the fashion industry. Visits include historic costume collections, wholesale showrooms, auxiliary fashion enterprises and noted retail stores. Seminars on campus and at pre-arranged appointments during tour dates. While planned specifically for Fashion Merchandising and Apparel Design majors, other interested persons who qualify for Admission may participate.

Prerequisite(s): FMAD 3231 or Permission of Instructor.

FMAD 4790 Internship in FMAD**12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Supervised work-study program in fashion and apparel industry selected by the student and preapproved by the student's advisor. Students will work full-time for the entire semester while enrolled in the internship program. Students must agree to abide by regulations governing all employees of the sponsor.

Prerequisite(s): 2.0 GPA and approval of instructor.**FMAD 4899 Directed Individual Study****1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.

Prerequisite(s): Permission of Instructor.**FMAD 4899H Directed Individual Study Hon****1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.

FORL Foreign Language

FORL 1010 Preparation for Success in Foreign Language**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Addresses needs of students who have difficulty learning a foreign language. Addresses strategies for better linguistic functioning in foreign language classes and ultimately helps in student retention.

FORL 1010S Preparing for Success in FL**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Addresses needs of students who have difficulty learning a foreign language. Addresses strategies for better linguistic functioning in foreign language classes and ultimately helps in student retention.

FORL 1090 Selected Topics in Foreign Languages**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Elementary level foreign language topic.

Cross Listing(s): FORL 1090S.**FORL 1090S Selected Topics in Foreign Languages****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Elementary level foreign language topic.

Cross Listing(s): FORL 1090.**FORL 2090 Intermediate Foreign Language****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Study of a foreign language at the Intermediate level. Continued building upon proficiency skills (speaking, writing, listening, and reading) and cultural understanding. Focus on development of the ability to create with the language, to resolve simple situations, to ask and answer questions, and to begin to describe in detail and to narrate.

Cross Listing(s): FORL 2090S.**FORL 2090S Intermediate Foreign Language****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Study of a foreign language at the Intermediate level. Continued building upon proficiency skills (speaking, writing, listening, and reading) and cultural understanding. Focus on development of the ability to create with the language, to resolve simple situations, to ask and answer questions, and to begin to describe in detail and to narrate.

Cross Listing(s): FORL 2090.**FORL 3030 Selected Topics in Foreign Languages****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Study of a topic in Foreign Languages literature, culture, society, thought or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in FORL 2090 Intermediate II.**FORL 3030S Selected Topics in Foreign Languages****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Study of a topic in Foreign Languages literature, culture, society, thought or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in FORL 2090 Intermediate II.**FORL 3131 Greek and Latin Vocabulary****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Greek and Latin Vocabulary in English is a course designed to improve the student's use and understanding of the vocabulary of English through a study of the Latin and Greek elements (word roots) in English. Emphasis on words in current scientific and literary use. No knowledge of Greek or Latin required.

FORL 3431 Foreign Languages Methods P-5**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Includes the study of the historical, theoretical, and practical dimensions of materials and methodology in foreign language education. Through lectures, discussions, and class activities, students will become familiar with the theory and practice of teaching foreign languages at the P-5 level. These activities include reading and discussion of text materials, development of lesson plans, evaluation of materials, in-class demonstrations of teaching techniques, and appropriate field experiences.

Prerequisite(s): Successful completion of the Pre-Professional Education Block and admission to Teacher Education Program.**FORL 3432 Foreign Languages Methods 6-12****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Includes the study of the historical, theoretical, and practical dimensions of materials and methodology in foreign language education. Through lectures, discussions and class activities, students will become familiar with the theory and practice of teaching foreign languages at the 6-12 level. These activities include reading and discussion of text materials, development of lesson plans, evaluation of materials, in-class demonstrations of teaching techniques, and appropriate field experiences.

Prerequisite(s): Successful completion of the Pre-Professional Education Block and admission to Teacher Education Program.**FORL 3510 Futures in Foreign Languages****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Guided discussion and investigation of the field of foreign languages with attention to opportunities for foreign language learners, challenges of a global society, and projections of future needs and uses for foreign languages.

Prerequisite(s): Foreign Language 2001 or equivalent in any foreign language.**FORL 3533 Introduction to Language****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A general introduction to the nature and structure of language and its role in society.

Cross Listing(s): FORL 3533S and LING 3533.**FORL 3533S Introduction to Language****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A general introduction to the nature and structure of language and its role in society.

Cross Listing(s): FORL 3533 and LING 3533.**FORL 4030 Selected Topics in Foreign Languages****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Study of a topic in Foreign Languages literature, culture, society, thought or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in FORL 2090 Intermediate II.

FORL 4030S Selected Topics in Foreign Languages**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Study of a topic in Foreign Languages literature, culture society, thought or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in FORL 2090 Intermediate II.**FORL 4393 Practicum in Foreign Language Education****1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides field experience opportunities for students pursuing a bachelor's degree in Spanish, French, or German education to relate principles and theories to actual practice in diverse educational settings.

FORL 4890 Directed Study in Foreign Languages**1-15 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Concentrated study of a topic in literature, culture, society thought or language. May be repeated for credit provided a new topic is studied.

Prerequisite(s): Department approval.**Cross Listing(s):** FORL 4890S.**FORL 4890S Directed Study in Foreign Languages****1-15 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Concentrated study of a topic in literature, culture, society thought or language. May be repeated for credit provided a new topic is studied.

Prerequisite(s): Department approval.**Cross Listing(s):** FORL 4890.

FREN French

FREN 1001 Elementary French I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to listening, speaking, reading, and writing in French with further study of the culture of French-speaking regions.

Cross Listing(s): FREN 1001S.**FREN 1001S Elementary French I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to listening, speaking, reading, and writing in French and to the culture of French-speaking regions.

Cross Listing(s): FREN 1001.**FREN 1002 Elementary French II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued listening, speaking, reading, and writing in French with further study of the culture of French-speaking regions.

Cross Listing(s): FREN 1002S.**FREN 1002S Elementary French II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued listening, speaking, reading, and writing in French with further study of the culture of French-speaking regions.

Cross Listing(s): FREN 1002.**FREN 1060 Accelerated Elementary French****6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

An accelerated introduction to listening, speaking, reading, and writing in French and to the culture of French-speaking regions. Completes the elementary levels of French in one semester.

Cross Listing(s): FREN 1060S.**FREN 1060S Accelerated Elementary French****6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

An accelerated introduction to listening, speaking, reading, and writing in French and to the culture of French-speaking regions. Completes the elementary levels of French in one semester.

Cross Listing(s): FREN 1060.**FREN 2001 Intermediate French I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Building upon communication skills (understanding, speaking, reading, and writing French) and cultural understanding, developed at the elementary level.

Prerequisite(s): A minimum grade of "C" in FREN 1002 or FREN 1060.**Cross Listing(s):** FREN 2001S.**FREN 2001S Intermediate French I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Building upon communication skills (understanding, speaking, reading, and writing French) and cultural understanding, developed at the elementary level.

Prerequisite(s): A minimum grade of "C" in FREN 1002 or FREN 1060.**Cross Listing(s):** FREN 2001.**FREN 2002 Intermediate French II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued focus on communication skills and cultural understanding.

Prerequisite(s): A minimum grade of "C" in FREN 2001.**Cross Listing(s):** FREN 2002S.**FREN 2002S Intermediate French II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued focus on communication skills and cultural understanding.

Prerequisite(s): A minimum grade of "C" in FREN 2001.**Cross Listing(s):** FREN 2002.**FREN 2060 Accelerated Intermediate French****6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

Accelerated intermediate French with continued work on listening, speaking, reading, and writing in French and the culture of French-speaking regions. Completes the intermediate levels of French in one semester.

Prerequisite(s): A minimum grade of "C" in FREN 1002 or FREN 1060.**Cross Listing(s):** FREN 2060S.**FREN 2060S Accelerated Interm. French****6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

Accelerated intermediate French with continued work on listening, speaking, reading, and writing in French and the culture of French-speaking regions. Completes the intermediate levels of French in one semester.

Prerequisite(s): A minimum grade of "C" in FREN 1002 or FREN 1060.**Cross Listing(s):** FREN 2060.**FREN 3030 Selected Topics in French****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

This course involves the study of a topic in French literature, culture, society, thought or language not included in the regular course offerings. Students focus on the continued development of all five language competencies (listening, speaking, reading, writing, and culture). This course may be repeated for credit provided a new topic is studied. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 3030S.**FREN 3030S Selected Topics in French****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

This course involves the study of a topic in French literature, culture, society, thought or language not included in the regular course offerings. Students focus on the continued development of all five language competencies (listening, speaking, reading, writing, and culture). This course may be repeated for credit provided a new topic is studied. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 3030.

FREN 3130 Conversational French**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) with a strong emphasis on conversational skills. Practice in the use of everyday French for functional vocabulary build-up and increased oral proficiency. Course work includes the study of authentic oral materials (such as excerpts from films, radio and TV programs, recordings of songs, skits, etc.), as well as situational communicative exercises. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**FREN 3130S Conversational French****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) with a strong emphasis on conversational skills. Practice in the use of everyday French for functional vocabulary build-up and increased oral proficiency. Course work includes the study of authentic oral materials (such as excerpts from films, radio and TV programs, recordings of songs, skits, etc.), as well as situational communicative exercises. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**FREN 3132 French Through Literature: The Short Story****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies through the study of selected short stories representative of the main periods and styles. Course work includes oral reading, writing, and grammar activities. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 3132S.**FREN 3132S French Through Literature: The Short Story****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies through the study of selected short stories representative of the main periods and styles. Course work includes oral reading, writing, and grammar activities. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 3132.**FREN 3134 French Through Writing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) with strong emphasis on writing, such as: personal narratives, movie reviews and short research topics. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 3134S.**FREN 3134S French Through Writing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) with strong emphasis on writing, such as: personal narratives, movie reviews and short research topics. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 3134.**FREN 3136 French through Film****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) through an in-depth study of selected feature films. Course work includes oral comprehension, speaking, reading, writing, and grammar activities. Emphasis on everyday spoken French. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**FREN 3195 French in France****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) with strong emphasis on everyday functions essential to living in France. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060, department approval.**Cross Listing(s):** FREN 3195S.**FREN 3195S French in France****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) with strong emphasis on everyday functions essential to living in France. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060, department approval.**Cross Listing(s):** FREN 3195.**FREN 3230 French Through Literature: Introduction to the Study of Literary Texts****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) through the study and analysis of literary texts. Texts include representative samples of four literary genres: short story, poetry, theatre, and novel. Course work includes oral comprehension, speaking, reading, writing, and grammar activities. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**FREN 3330 French Civilization****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) through the study of French civilization. Course work includes oral comprehension, speaking, reading, writing, and grammar activities. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 3330H, FREN 3330S.**FREN 3330H French Civilization-Honors****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) through the study of French civilization. Course work includes oral comprehension, speaking, reading, writing, and grammar activities. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 3330, FREN 3330S.**FREN 3330S French Civilization****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) through the study of French civilization. Course work includes oral comprehension, speaking, reading, writing, and grammar activities. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 3330H, FREN 3330.**FREN 3336 Francophone Cultures of Africa and the Caribbean****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) with a focus on an introduction to Africa and the Caribbean. Texts include fables, poems, newspaper articles, and film. Course work includes oral, reading, writing, and grammar activities. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** AAST 3336.

FREN 3395 French Regional Culture**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) through the study of a geographic region in France based on residential study in the region. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 3395S.**FREN 3395S French Regional Culture****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) through the study of a geographic region in France based on residential study in the region. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 3395.**FREN 3530 French for Professions****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) through the study of professional situations in areas such as business, law, health, and tourism. Course work includes oral, reading, writing, and grammar activities. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 3530S.**FREN 3530S French for Professions****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) through the study of professional situations in areas such as business, law, health, and tourism. Course work includes oral, reading, writing, and grammar activities. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 3530.**FREN 4030 Selected Topics in French****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of a topic in French literature, culture, society, thought, or language not included in regular offerings. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 4030H and FREN 4030S.**FREN 4030H Selected Topics French Honors****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of a topic in French literature, culture, society, thought, or language not included in regular offerings. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 4030 and FREN 4030S.**FREN 4030S Selected Topics in French****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of a topic in French literature, culture, society, thought, or language not included in regular offerings. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 4030 and FREN 4030H.**FREN 4130 Grammar and Phonetics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Intensive review of major grammatical structures and contrastive analysis of French and English sound systems. Extensive oral and written activities, including grammar exercises, compositions, and pronunciation exercises. Conducted in French.

Prerequisite(s): Minimum grade of "C" in FREN 2002 or FREN 2060.**FREN 4185S Studies Abroad: Speaking II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is a course in oral communications in French using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**FREN 4330 Contemporary France****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An in-depth study of present-day France, including its institutions, daily life, current events, and its place in Europe and on the international scene. Extensive use of authentic materials (newspapers, magazines, TV and radio materials, and the Internet). Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 4330S.**FREN 4330S Contemporary France****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An in-depth study of present-day France, including its institutions, daily life, current events, and its place in Europe and on the international scene. Extensive use of authentic materials (newspapers, magazines, TV and radio materials, and the Internet). Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 4330.**FREN 4385S Studies Abroad: Writing II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is a course in written communications in French using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**FREN 4431 Perspectives in Literature I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to masterpieces of French literature representative of major movements and genres from the Middle Ages to the present. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**FREN 4431S Perspectives in Literature I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to masterpieces of French literature representative of major movements and genres from the Middle Ages to the present. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**Cross Listing(s):** FREN 4431.**FREN 4432 Perspectives in Literature II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Same as FREN 4431 but focuses on different texts and/or authors. Conducted in French.

Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.**FREN 4790 Internship in French****1-15 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Internship in one or more French-speaking countries.

Prerequisite(s): Department approval.**FREN 4890 Directed Study in French****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Concentrated study of a topic in French literature, culture, society, thought or language. May be repeated for credit provided a new topic is studied.

Prerequisite(s): Department approval.**Cross Listing(s):** FREN 4890S.**FREN 4890S Directed Study in French****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Concentrated study of a topic in French literature, culture, society, thought or language. May be repeated for credit provided a new topic is studied.

Prerequisite(s): Department approval.**Cross Listing(s):** FREN 4890.

FREN 5090 Selected Topics in French
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Cross Listing(s): FREN 5090G.

FYE First-Year Experience

FYE 1000 Conversations with Prof
0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

FYE 1220 First-Year Seminar
2 Credit Hours. 1.5 Lecture Hour. 0.5 Lab Hours.

Thematic seminar designed to promote information literacy skills and support students' cognitive and affective integration into the University community. Required during the first semester for all students new to the University (except for transfer students with 30 hours or more); students may not withdraw.

Cross Listing(s): FYE 1220H.

FYE 1220H First-Year Seminar
2 Credit Hours. 1.5 Lecture Hour. 0.5 Lab Hours.

Thematic seminar designed to promote information literacy skills and support students' cognitive and affective integration into the University community. Required during the first semester for all students new to the University (except for transfer students with 30 hours or more); students may not withdraw.

Cross Listing(s): FYE 1220.

FYE 1410 Global Citizens
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

Graduates in all fields face many challenges in today's world that require the ability to think and engage globally. Doing so requires recognizing that different cultural perspectives influence the understanding of world issues. In this seminar, students explain factors that contribute to their cultural perspective, apply multiple cultural perspectives to global issues, and then apply this knowledge through engagement with local communities or problems. Faculty from across the University design courses drawing on examples from their disciplines, and students are encouraged to selection sections offered by faculty in their fields or potential fields. In preparation for subsequent coursework as upper-class students, first-year students enroll in this course in their second semester.

Cross Listing(s): FYE 1410H.

FYE 1410H Global Citizens
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

Graduates in all fields face many challenges in today's world that require the ability to think and engage globally. Doing so requires recognizing that different cultural perspectives influence the understanding of world issues. In this seminar, students explain factors that contribute to their cultural perspective, apply multiple cultural perspectives to global issues, and then apply this knowledge through engagement with local communities or problems. Faculty from across the University design courses drawing on examples from their disciplines, and students are encouraged to selection sections offered by faculty in their fields or potential fields. In preparation for subsequent coursework as upper-class students, first-year students enroll in this course in their second semester.

Cross Listing(s): FYE 1410.

FYE 2090 Selected Topics in First-Year Experience
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Selected topics in First-Year Experience offered on an irregular basis. Individual sections carry a subtitle.

Prerequisite(s): FYE 1220.

FYE 2212 Teaching Internship in First-Year Experience
1 Credit Hour. 0 Lecture Hours. 1 Lab Hour.

Provides selected sophomore, junior and senior students an opportunity to develop leadership and mentoring skills through their involvement with FYE 1220: First-Year Seminar. Includes training in counseling, communication, problem solving, classroom management, and conflict resolution skills. Under the supervision of the First-Year Experience program and the faculty member teaching the FYE 1220 course, students in FYE 2212 lead classroom discussions and activities, assess student work, and serve as a resource for first-year students.

GCM Graphic Communications Management

GCM 1131 Graphic Communications Technology
0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.

An introduction to careers, the printing processes and the steps involved in preparing images for production in graphic communications.

GCM 1321 Desktop Publishing
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

This is a general course presenting the development, growth and influence of desktop publishing in today's society. The course presents the various hardware and software used in desktop publishing, as well as technologies that have evolved from desktop publishing. Students are introduced to typography and typographic principles, digital photography, scanning, image resolution, photo editing, imposition and their correct use in the creation of both everyday and formal communications. Students learn what makes an aesthetically pleasing document in both formal and informal settings.

Corequisite(s): GCM 1411.

GCM 1411 Desktop Publishing Laboratory
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

Through detailed instruction and problem solving activities, students use current desktop publishing hardware and software and apply various concepts learned in GCM 1321 (Desktop Publishing) including, drawing applications, page assembly, photo editing, digital photography, scanning, typography, aesthetics, image resolution and imposition.

Corequisite(s): GCM 1321.

GCM 1631 Introduction to Multimedia
0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

The course will introduce students to multimedia through its history, its various uses, and its different components. Students will create multimedia products and solve problems related to the creation of their components. Students will plan a multimedia presentation, create the various components and assemble those components into an effective multimedia presentation using current digital technologies.

GCM 2332 Bindery and Finishing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Designed to orient the student to the various bindery, finishing, and distribution processes and practices common to the printing industry. Plant visits to bindery, finishing, and distribution firms.

Prerequisite(s): A minimum grade of "C" in GCM 1131.

Corequisite(s): GCM 2412.

GCM 2412 Bindery and Finishing Laboratory
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

Designed to engage students with the processes and real world problems of bindery, finishing, and distribution processes and practices common to the printing industry. Plant visits to bindery, finishing, and distribution firms.

Prerequisite(s): A minimum grade "C" in GCM 1131.

Corequisite(s): GCM 2332.

GCM 2432 Inks and Substrates**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the dynamic relationship between inks and the materials on which they are printed. Areas of concern include the manufacturing processes and characteristics of inks and papers, testing procedures used with inks and substrates.

Prerequisite(s): A minimum grade of "C" in GCM 1131.

GCM 2512 Desktop Publishing II Laboratory**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A laboratory experience that uses detailed instruction and problem solving activities, which students complete through the use of current desktop publishing hardware and software. This course supports the concepts learned in Desktop Publishing II (GCM 2532) through hands-on activities.

Topics include digitizing originals, file format usage and creation, file preflight, image trapping, digital imposition, advanced image editing techniques and concepts and advanced desktop publishing techniques and concepts.

Prerequisite(s): A minimum grade of "C" in GCM 1321 and GCM 1411.

Corequisite(s): GCM 2532.

GCM 2532 Desktop Publishing II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course builds on the concepts learned in Desktop Publishing (GCM 1321) and expands on the relationship between desktop publishing and digital prepress. Students examine the techniques and technologies used to create the visual images we see all around us. The concepts taught move the student from beginning desktop publishing into the world of digital prepress. Topics include the prepress working environment, hardware and software considerations, font and file management, bitmap and vector graphics, digital image characteristics, digital imposition, and digital image trapping.

Prerequisite(s): A minimum grade of "C" in GCM 1321, GCM 1411.

Corequisite(s): GCM 2512.

GCM 2721 Industrial Practicum**2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Designed for direct observation and work experience with the local printing industry. The student is exposed to problems, practices, management structures, and work ethics.

Prerequisite(s): A minimum grade of "C" in GCM 1131, GCM 1321.

GCM 3110 Instructional Assistance**1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.**

A supervised experience in the instructional process (on the university level) through direct participation in a laboratory situation. Grading is evaluated on a satisfactory/unsatisfactory basis only. This course may be repeated for a total of three semester hours.

Prerequisite(s): Departmental approval required.

GCM 3130 Customer Service for Graphic Communications**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A course designed to acquaint the students with duties and responsibilities associated with customer service for graphic communications management.

GCM 3231 Print Media Processes**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

An intermediate technical study of lithography, flexography, screen and specialty printing and digital outputs processes and the image preparation requirements for each. The course will provide experiences that demonstrates the similarities and differences of print media and discuss criteria for choosing one versus another. Students will gain a greater understanding of the mass production options available for graphic communication.

Prerequisite(s): A minimum grade of "C" in GCM 1131, GCM 1321, GCM 1411.

GCM 3735 Graphic Communications Internship I**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Designed for students to receive practical work experience with an approved graphic communications firms. A minimum of 400 contact hours with the host site is required.

Prerequisite(s): A minimum grade of "C" in GCM 1131 and a minimum 7 hours from GCM 2432, GCM 2332, GCM 2412, GCM 2532, GCM 2512.

GCM 3745 Graphic Comm Internship I**4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Designed for students to receive practical work experience with an approved graphic communications firms. A minimum of 480 contact hours with the host site is required. Graphic Communications Management Majors.

Prerequisite(s): A minimum grade of "C" in GCM 2721.

Cross Listing(s): GCM 3735.

GCM 4132 Screen and Specialty Printing**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This course introduces the student to the methods, procedures and technologies used in the screen and specialty printing industry, including screen printing, pad printing, sublimation printing and embroidery. Projects and discussions involve the various production methods and material requirements. Experiences include planning, image preparation, image carrier preparation, single and multi-color printing, medium curing and drying, finishing and hands-on experiences with the various process.

Prerequisite(s): A minimum grade of "C" in GCM 3231.

GCM 4232 Photo Preparation for Reproduction**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

A combination of traditional and digital photography techniques is used to enhance the quality of the original photograph. The focus of the class is on creating images which maximize resolution while reducing editing requirements. Students choose and use various lighting arrangements and output techniques to improve final image quality.

Prerequisite(s): A minimum grade of "C" in GCM 1131 and MMJ 3333.

GCM 4736 Graphic Communications Internship II**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Designed for students to further their industry experience beyond GCM 3735. A minimum of 400 hours contact hours with the host site is required.

Prerequisite(s): A minimum grade of "C" in GCM 3735 or GCM 3745.

GCM 4899 Independent Study**1-3 Credit Hours. 0-3 Lecture Hours. 0-3 Lab Hours.**

Independent study is available for the student to undertake individualized experimentation, research, or study related to the printing industry. The specific topic will be determined and approved by the faculty and the student prior to the semester in which the course is taken. Academic credit is assigned to the independent study commensurate with the magnitude of the study.

GCM 5090 Selected Topics in Graphic Communications**1-3 Credit Hours. 0-3 Lecture Hours. 0-3 Lab Hours.**

This course is scheduled on an infrequent basis to explore special areas in technology and will carry a subtitle. Credit is variable from 1 to 3 semester hours. This special topics course is in keeping with established policies for offering a structured course on an infrequent basis. It will allow faculty to offer a course on a trial basis for possible approval at a later date. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.

Cross Listing(s): GCM 5090G.

GCM 5234 Color Reproduction**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An exploration of professional color reproduction concepts and procedures related to the graphic communications and information technology industries. Topics include color theory, copy evaluation, color separation methods, color reproduction variables, color separation hardware and software, and color management systems. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.

Prerequisite(s): A minimum grade of "C" in GCM 3745.**Corequisite(s):** GCM 5314.**Cross Listing(s):** GCM 5234G.**GCM 5314 Color Reproduction Laboratory****1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

This is a hands on laboratory course. The laboratory activities include the following: test for abnormal color vision, color measurement and evaluation, color standards, color proofing, color scanning, color reproduction methods, color management systems, color reproduction techniques using Photoshop and other software. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.

Prerequisite(s): A minimum grade of "C" in GCM 3745.**Corequisite(s):** GCM 5234.**Cross Listing(s):** GCM 5314G.**GCM 5331 Flexography****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Introduction to the flexographic printing industry. Discussions will include the design, techniques, processes, and manufacture of flexographic printed products. Activities will include setup and operation of a flexographic press. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.

Prerequisite(s): A minimum grade of "C" in GCM 3231.**Cross Listing(s):** GCM 5331G.**GCM 5332 Multimedia Presentations****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Multimedia Presentations is the study of digital imaging applications for presentations. The course covers the creation of digital components for multimedia presentations, including sound, graphics, animation, and video technique, and their use in multimedia presentations for video, CD ROM, and the Internet. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.

Prerequisite(s): A minimum grade of "C" in GCM 1631.**Cross Listing(s):** GCM 5332G.**GCM 5334 Imaging Systems****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Imaging Systems is an in-depth course of how to effectively use, organize, and link imaging workstations, peripherals, systems, and files for information imaging. Current trends and issues of the industry are also covered. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.

Prerequisite(s): A minimum grade of "C" in GCM 3745.**Cross Listing(s):** GCM 5334G.**GCM 5335 Graphic Communications Management Topics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Course topics focus specifically on managerial decisions as they uniquely apply to graphic communications, such as: facilities planning and production flow, trade customs, contracts, and quality control and testing. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.

Prerequisite(s): A minimum grade of "C" in GCM 3745.**Cross Listing(s):** GCM 5335G.**GCM 5434 Lithographic Reproduction****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Designed to introduce the student to image assembly for presswork. Topics include imposition layouts, image assembly, platemaking, proofing systems, press operation and safety. Graduate students will do a research project related to course content and present their finding to the class.

Prerequisite(s): A minimum grade of "C" in GCM 3231.**Cross Listing(s):** GCM 5343G.**GCM 5534 Digital Output Applications****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Covers the utilization of electronic imaging technologies for output applications for information imaging. Specific topics include internet development and management, and print-on-demand development and management. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.

Prerequisite(s): A minimum grade of "C" in GCM 3231.**Cross Listing(s):** GCM 5534G.**GCM 5535 Estimating for Print Production****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Acquaints the student with various types of estimating practices used for print production. The student will learn how to measure cost centers, calculate materials used and conceptualize the production process. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.

Prerequisite(s): A minimum grade of "C" in GCM 3745.**Cross Listing(s):** GCM 5535G.

GEOG Geography

GEOG 1101 Introduction to Human Geography**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Basic concepts of cultural geography including characteristics and spatial patterns of population, religions, settlements, economies, languages, nutrition, health, migration, economic development, art, music, and other cultural phenomena.

Cross Listing(s): GEOG 1101H, GEOG 1101S.**GEOG 1101H Introduction to Human Geography****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Basic concepts of cultural geography including characteristics and spatial patterns of population, religions, settlements, economies, languages, nutrition, health, migration, economic development, art, music, and other cultural phenomena.

Cross Listing(s): GEOG 1101, GEOG 1101S.**GEOG 1101S Introduction to Human Geography****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Basic concepts of cultural geography including characteristics and spatial patterns of population, religions, settlements, economies, languages, nutrition, health, migration, economic development, art, music, and other cultural phenomena.

Cross Listing(s): GEOG 1101H, GEOG 1101.**GEOG 1110 Climate and the Landscape Lab****1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A series of laboratories and exercises designed to provide hands-on applications of general theories regarding earth processes discussed in GEOG 1111, Climate and the Landscape.

Prerequisite(s): Highly recommended to be taken concurrently with GEOG 1111.**GEOG 1111 Climate and the Landscape****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The earth's surface in its areal differentiation. Focuses on the various elements of physical geography that act as a foundation to the discipline, including location and interaction of physical surficial phenomena.

Prerequisite(s): Highly recommended to be taken concurrently with GEOG 1110.

GEOG 1130 World Regional Geography**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of geographic regions of the world emphasizing physical landscapes, resources, economies, culture and politics. Selected problems or situations of contemporary interest will be incorporated.

Cross Listing(s): GEOG 1130H, GEOG 1130S.**GEOG 1130H World Regional Geography****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of geographic regions of the world emphasizing Physical landscapes, resources, economies, culture and politics. Selected problems or situations of contemporary interest will be incorporated.

Cross Listing(s): GEOG 1130, GEOG 1130S.**GEOG 1130S World Regional Geography****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of geographic regions of the world emphasizing physical landscapes, resources, economies, culture and politics. Selected problems or situations of contemporary interest will be incorporated.

Cross Listing(s): GEOG 1130, GEOG 1130H.**GEOG 3130 Conservation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examination of environmental factors in the setting of human activities. Emphasis is on modern efforts in conservation and resource management concerning wildlife, forests, fisheries, agriculture, rangeland, water, soils and oceans.

Prerequisite(s): GEOG 1111 or BIOL 1130 or BIOL 1230 or BIOL 1331 or BIOL 1335 or TCGT 1530 or permission of instructor.**Cross Listing(s):** GEOG 3130S.**GEOG 3130S Conservation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examination of environmental factors in the setting of human activities. Emphasis is on modern efforts in conservation and resource management concerning wildlife, forests, fisheries, agriculture, rangeland, water, soils and oceans.

Prerequisite(s): BIOL 1130, or BIOL 1230 or BIOL 1331, or BIOL 1335 or TCGT 1530 or GEOG 1111 or permission of instructor.**Cross Listing(s):** GEOG 3130.**GEOG 3230 Economic Geography****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of the distribution, production and utilization of the world's basic commodities.

Prerequisite(s): GEOG 1101 or GEOG 1130.**Cross Listing(s):** GEOG 3230S.**GEOG 3230S Economic Geography****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of the distribution, production and utilization of the world's basic commodities.

Prerequisite(s): GEOG 1101 or GEOG 1130.**Cross Listing(s):** GEOG 3230.**GEOG 3330 Weather and Climate****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Elements and controls of weather and climate and the distribution and characteristics of climate regions.

Prerequisite(s): GEOG 1111.**GEOG 3440 Introduction to GIS and Cartography****0,4 Credit Hours. 0,2 Lecture Hours. 0,4 Lab Hours.**

An introduction to the basic concepts, theories, techniques, and applications of Geographic Information Systems (GIS) and cartography. Students will learn and apply GIS and cartographic concepts to gain extensive hands-on experience in thematic mapping and manipulation of geo-referenced spatial information using GIS software.

GEOG 3530 Cultural Geography**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the world's diverse cultural landscapes. Emphasis on the connections between social, political, religious and agricultural patterns and the impact of societies on the natural environment.

Prerequisite(s): GEOG 1101 or GEOG 1130.**GEOG 3741 Remote Sensing****0,4 Credit Hours. 0,2 Lecture Hours. 0,4 Lab Hours.**

Introduction to the concepts, theory, collection, analysis and applications of remotely sensed spatial information.

Prerequisite(s): Permission of instructor required.**Cross Listing(s):** GEOL 3741.**GEOG 4120 Introduction to Research****2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

The process of research utilizing the scientific method will be studied.

Research methods in human and physical geography are discussed and critiqued. Methodologies including literature searches, topic selection and refinement, and research problem solving will be discussed. A proposal for a research project will be selected or assigned, a proposal written, and an oral presentation of the proposed research will be made. A minimum grade of "B" is required to continue in the research sequence.

Prerequisite(s): Permission of instructor required.**GEOG 4130 Biogeography****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to biogeography: the study of the distribution of plants and animals. Both historical taxonomic and ecosystems biogeography are covered. The analysis and explanation of spatial patterns of plant and animal distribution, while addressing change in species distribution and evolution in response to climate change and the process of continental drift that have taken place in the past and are taking place today, will be emphasized.

Prerequisite(s): GEOG 1111 or BIOL 1130 or BIOL 1230 or BIOL 1331 or BIOL 1335 or GEOL 1430.**GEOG 4131 Geography of the American South****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Systematic regional treatment of the South including the physical, cultural and economic aspects of its various regions.

GEOG 4232 Geography of Latin America**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of the physical, cultural and economic geography of Latin America, including Mexico.

Cross Listing(s): LAST 4232.**GEOG 4233 Geography of Asia****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the physical, cultural, political and economic geography of the countries of Asia. Selected problems or situations of contemporary interest will be incorporated.

Cross Listing(s): GEOG 4233S.**GEOG 4233S Geography of Asia****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the physical, cultural, political and economic geography of the countries of Asia. Selected problems or situations of contemporary interest will be incorporated.

Cross Listing(s): GEOG 4233.**GEOG 4330 Geography of Africa South of the Sahara****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the physical, cultural, political and economic geography of Africa south of the Sahara Desert. Selected problems or situations of contemporary interest will be incorporated.

Cross Listing(s): AAST 4330.

GEOG 4430 Geography of Europe**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Survey of the physical, cultural, political and economic geography of Europe. Situations of contemporary interest will be included.

Cross Listing(s): GEOG 4430S.**GEOG 4430S Geography of Europe****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Survey of the physical, cultural, political and economic geography of Europe. Situations of contemporary interest will be included.

Cross Listing(s): GEOG 4430.**GEOG 4542 Intermediate GIS****0,4 Credit Hours. 0,2 Lecture Hours. 0,4 Lab Hours.**

An introduction to advanced data models and spatial data analysis functions of Geographic Information Systems (GIS) software, with an emphasis on the conversion among various GIS data formats and geodatabase construction and management.

Prerequisite(s): GEOG 3440.**GEOG 4543 Advanced GIS: Spatial Analysis and Modeling****4 Credit Hours. 2 Lecture Hours. 4 Lab Hours.**

This course covers the advanced spatial analysis and modeling functions of GIS and offers both fundamental theoretical background and extensive hands-on experience in spatial analysis and modeling. Major topics include network analysis, surface modeling, spatial patterns analysis, spatial data visualization, and basics of spatial statistics.

Prerequisite(s): GEOG 3440 and GEOG 4542.**GEOG 4610 Senior Thesis Seminar****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Proficiency in formal scientific paper presentation will be demonstrated. The student's senior research topic from GEOG 4820 will generate both written and oral presentations made in a formal setting to an audience of professors and peers.

Prerequisite(s): GEOG 4120.**GEOG 4790 Internship in Geography****1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The internship allows students to work in a professional setting related to their chosen concentration in the field. Undergraduate students can earn between one and six credits for internships approved by their academic advisor and the Department's Internship Director. Students must maintain contact with the Internship Director through the course of the internship work, and must submit a written report and a work product at the end of the project. Internship credits can be used for elective credit only and may not substitute for specific degree requirements.

Prerequisite(s): Permission of the Geology and Geography Internship Director is required.**GEOG 4830 Senior Thesis Research I****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Students will complete a literature review and evaluation and conduct independent research as outlined in their research proposal formulated during Introduction to Research (GEOG 4120). Research is conducted under the direction of a faculty advisor and will lead to the completion of the senior thesis.

Prerequisite(s): A minimum grade of "B" in GEOG 4120 and a minimum GPA of 3.0.**GEOG 4831 Senior Thesis Research II****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The process of scientific communication will be investigated and practiced through completion of a senior thesis project. This project includes both a written thesis and research presentation. Students will format a thesis manuscript suitable for publication in a professional journal and design and deliver an oral presentation suitable for a professional conference.

Prerequisite(s): A minimum grade of "B" in GEOG 4830.**GEOG 5090 Selected Topics****3-4 Credit Hours. 3-4 Lecture Hours. 0-2 Lab Hours.**

Offered with or without a lab on an experimental basis. Graduate students will complete an individual term project or special report.

Cross Listing(s): GEOG 5090S, GEOG 5090G.**GEOG 5090S Selected Topics****3-4 Credit Hours. 3-4 Lecture Hours. 0-2 Lab Hours.**

Offered with or without a lab on an experimental basis. Graduate students will complete an individual term project or special report.

Cross Listing(s): GEOG 5090, GEOG 5090G.**GEOG 5091 Applied GIS****4 Credit Hours. 0 Lecture Hours. 8 Lab Hours.**

Applications of advanced GIS design and modeling to a specific topical and/or geographic area. Topics and studies will be varied over time.

Prerequisite(s): GEOG 3440 and GEOG 4542 and GEOG 4543.**GEOG 5130 Geography of North America****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Systematic regional treatment of Canada and the United States including the physical, cultural, and economic aspects of various sub regions.

Special attention will be paid to comparative themes such as resource development, trade, and migration. Graduate students will complete an individual term project or special report.

Cross Listing(s): GEOG 5130G.**GEOG 5230 Urban Geography****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An analysis of site, situation, base, principal functions, distribution, supporting areas and internal structure of urban settlements. Graduate students will complete an individual term project or special report.

Prerequisite(s): GEOG 1101 or GEOG 1130.**Cross Listing(s):** GEOG 5230S, GEOG 5230G.**GEOG 5230S Urban Geography****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An analysis of site, situation, base, principal functions, distribution, supporting areas and internal structure of urban settlements. Graduate students will complete an individual term project or special report.

Prerequisite(s): GEOG 1101 or GEOG 1130.**Cross Listing(s):** GEOG 5230, GEOG 5230G.**GEOG 5330 Population Geography****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course explores issues and themes related to the patterns, processes, and consequences of the spatial distribution of the world's population. The course is organized around the fundamental components of population change, fertility, mortality, and migration. Current events related to population change and distribution in multiple geographical contexts will constitute a primary focus of the course. Prerequisite(s): GEOG 1101 or GEOG 1130.

Cross Listing(s): GEOG 5330G.**GEOG 5430 Political Geography****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will cover the geography of political behavior from the local to the global scale by examining the relationship of geography and politics. Students will investigate the rapidly changing geopolitics of the era in which they live, with special emphasis on international relations, sovereignty, war, and terrorism. Additionally, the course will focus on redistricting, the Electoral College, and other geographic elements of our American democratic system. Graduate students will learn how to undertake an independent, supervised research project in the field of political geography.

Prerequisite(s): GEOG 1101 or GEOG 1130.**Cross Listing(s):** GEOG 5430S.

GEOG 5430S Political Geography**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will cover the geography of political behavior from the local to the global scale by examining the relationship of geography and politics. Students will investigate the rapidly changing geopolitics of the era in which they live, with special emphasis on international relations, sovereignty, war, and terrorism. Additionally, the course will focus on redistricting, the Electoral College, and other geographic elements of our American democratic system. Graduate students will learn how to undertake an independent, supervised research project in the field of political geography.

Prerequisite(s): GEOG 1101 or GEOG 1130.**Cross Listing(s):** GEOG 5430.**GEOG 5590 Field Studies in Geography****3-8 Credit Hours. 3-8 Lecture Hours. 0 Lab Hours.**

An intensive course on a specific region of the world conducted in that region combining lecture, observation and travel. Students usually will bear tuition, travel and living expenses during the course. May be repeated for credit in different regions. Graduate students will complete an individual term project or special report.

Cross Listing(s): GEOG 5590S.**GEOG 5590S Field Studies in Geography****3-8 Credit Hours. 3-8 Lecture Hours. 0 Lab Hours.**

An intensive course on a specific region of the world conducted in that region combining lecture, observation and travel. Students usually will bear tuition, travel and living expenses during the course. May be repeated for credit in different regions. Graduate students will complete an individual term project or special report.

Cross Listing(s): GEOG 5590.**GEOG 5890 Directed Study****1-4 Credit Hours. 1-4 Lecture Hours. 0 Lab Hours.**

Independent study for advanced students. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): Approval of Department Chair is required.**Cross Listing(s):** GEOG 5890S, GEOG 5890G.**GEOG 5890S Directed Study****1-4 Credit Hours. 1-4 Lecture Hours. 0 Lab Hours.**

Independent study for advanced students. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): Approval of Department Chair is required.**Cross Listing(s):** GEOG 5890, GEOG 5890G.

GEOL Geology

GEOL 1011K Introductory Geosciences I**0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

This course covers Earth materials and processes.

GEOL 1110 Earth Laboratory**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A series of laboratory components that involve hands-on exercises with earth materials and processes which modify the Earth's interior and exterior. Concurrent or prior completion of GEOL 1121. Strongly recommend to be taken concurrently with GEOL 1121.

Corequisite(s): GEOL 1121.**GEOL 1121 Introduction to the Earth****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

An introductory study of the origin and structure of earth materials and the processes which modify Earth's interior and exterior. The laboratory component of this course offers hands-on exercises related to Earth materials, interpretation of topographic and geologic maps, principles of geologic time, and plate tectonic processes.

Cross Listing(s): GEOL 1121H, GEOL 1121S.**GEOL 1121H Introduction to the Earth****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

An introductory study of the origin and structure of earth materials and the processes which modify Earth's interior and exterior. The laboratory component of this course offers hands-on exercises related to Earth materials, interpretation of topographic and geologic maps, principles of geologic time, and plate tectonic processes.

Cross Listing(s): GEOL 1121 and GEOL 1121S.**GEOL 1121S Introduction to the Earth****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

An introductory study of the origin and structure of earth materials and the processes which modify Earth's interior and exterior. The laboratory component of this course offers hands-on exercises related to Earth materials, interpretation of topographic and geologic maps, principles of geologic time, and plate tectonic processes.

Cross Listing(s): GEOL 1121, GEOL 1121H.**GEOL 1122 General Historical Geology****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Discusses the origin and geological history of Earth. Methods of interpretation, fossils, geologic time measurements, time scales, physical and organic development of Earth are taught.

Prerequisite(s): GEOL 1121 may be taken concurrently with permission of instructor.**GEOL 1310 Environmental Geology Lab****1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A series of laboratory components that involve hands-on exercises with earth materials and processes which modify the Earth's interior and exterior.

Prerequisite(s): Concurrent or prior completion of GEOL 1121; strongly recommended to be taken concurrently with GEOL 1121.**Cross Listing(s):** GEOL 1310H.**GEOL 1310H Environ Geol Lab (Honors)****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

A series of laboratory components that involve hands-on exercises with earth materials and processes which modify the Earth's interior and exterior.

Prerequisite(s): Concurrent or prior completion of GEOL 1121; strongly recommended to be taken concurrently with GEOL 1121.**Cross Listing(s):** GEOL 1310.**GEOL 1340 Environmental Geology****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

An introduction to using geologic principles and knowledge to address problems arising from the interaction between humans and the geologic environment. One major component of the course examines geologic hazards, including flooding, earthquakes, volcanic eruptions, and coastal erosion. The other component explores important geologic resources, including water, soils, mineral, and energy, and the way modern society depends on these resources. The laboratory portion of the course consists of hands-on data collection, analysis, and problem solving of geologic and environmental problems related to natural hazards and society's use of Earth resources.

Cross Listing(s): GEOL 1310, GEOL 1310H.**GEOL 1340H Environmental Geology (Honors)****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

An introduction to using geologic principles and knowledge to address problems arising from the interaction between humans and the geologic environment. One major component of the course examines geologic hazards, including flooding, earthquakes, volcanic eruptions, and coastal erosion. The other component explores important geologic resources, including water, soils, mineral, and energy, and the way modern society depends on these resources. The laboratory portion of the course consists of hands-on data collection, analysis, and problem solving of geologic and environmental problems related to natural hazards and society's use of Earth resources.

GEOL 1430 Dinosaurs, Extinctions and Disasters**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A review of the dynamic processes of extinction, evolution, and change in ancient animal assemblages. Particular attention will be paid to the unique terrestrial communities that were dominated by dinosaurs, mammoths, and other megafauna. We will focus on the effects of meteorite collisions, ice ages, and mass extinction events.

GEOL 1530 Principles of Oceanography**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is a survey course dealing with the physical, geological, and ecological features of ocean basins and coastlines, as well as chemical composition of ocean water and oceanic circulation processes.

GEOL 3520 Field Methods**2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Instruction in the tools and techniques used in the collection of field data, compilation of geologic maps and cross sections. Students will construct topographic and geologic maps and write geologic reports and abstracts. The course will consist of three main areas; data sources, data collection, and post-processing. Two weekend field trips are required.

Prerequisite(s): GEOL 1122 and MATH 1112 or MATH 1113; two-day field trips are required.

GEOL 3541 Mineralogy**0-4 Credit Hours. 0-3 Lecture Hours. 0-3 Lab Hours.**

An introduction to morphological crystallography, physical properties and the optical characteristics of the common minerals. Examines the genesis, occurrence, and uses of minerals. Laboratory work consists of study of common crystal forms, hand specimen identification and optical study via the petrographic microscope.

Prerequisite(s): GEOL 1110 or GEOL 1121, and CHEM 1145.

GEOL 3542 Petrology and Petrography**0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

An introduction to the origin, occurrence, and classification of common igneous and metamorphic rocks. Laboratory work consists of combined microscopic and megascopic study of rocks. A three day field trip across the southern Appalachians provides a field study component.

Prerequisite(s): GEOL 3541 and GEOL 1122.

GEOL 3741 Remote Sensing**4 Credit Hours. 2 Lecture Hours. 4 Lab Hours.**

Introduction to the concepts, theory, collection, analysis and applications of remotely sensed spatial information.

Prerequisite(s): Permission of instructor required.

Cross Listing(s): GEOG 3741.

GEOL 3790 Teaching Internship in Geology**1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Student interns in Introduction to the Earth (GEOL 1121), General Historical Geology (GEOL 1122), or Environmental Geology (GEOL 1340) will participate in teaching the course under the mentorship of a faculty member. Student interns will attend an introductory workshop immediately prior to the start of the semester, will intern in one of the above courses, and meet with the faculty mentor one hour each week. One credit hour is awarded per laboratory section in which the student interns.

Prerequisite(s): A minimum grade of "B" in GEOL 1121 or GEOL 1122 or GEOL 1340.

GEOL 4120 Introduction to Research**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

The process of research will be studied from the scientific method through the process of writing a scientific proposal. Construction of a technical paper and the technical oral presentation will be examined and practiced. Usages of geologic terms will be explained and learned. A proposal for a research paper will be selected or assigned, a proposal written and an oral presentation of the proposal research will be made. A minimum grade of "B" is required to continue in the research sequence.

Prerequisite(s): Permission of instructor required.

GEOL 4530 Tectonics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Processes, structures, and land forms associated with the deformation of the earth's crust are studied including the changes that take place on structures and landforms over time. Scales ranging from local, to regional, to global are incorporated.

Prerequisite(s): GEOL 1121 or GEOL 1110.

GEOL 4610 Senior Seminar**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

The process of scientific communication will be investigated and practiced. A final paper on the student's senior research topic will be written and an oral presentation made in a formal "Technical Session" format. The student will learn to prepare visual aids to illustrate his/her paper and talk. The "Technical Session" will be organized and run by students.

Prerequisite(s): GEOL 4830.

GEOL 4790 Internship in Geology**1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The internship allows students to work in a professional setting related to their chosen concentration in the field. Undergraduate students can earn between one and six credits for internships approved by their academic advisor and the Department's Internship Director. Students must maintain contact with the Internship Director through the course of the internship work, and must submit a written report and a work product at the end of the project. Internship credits can be used for elective credit only and may not substitute for specific degree requirements.

Prerequisite(s): Permission of Geology and Geography Internship Director is required.

GEOL 4830 Senior Thesis Research I**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Students will complete a literature review and evaluation and conduct independent research as outlined in their research proposal formulated during Introduction to Research (GEOL 4120). Research is conducted under the direction of a faculty advisor and will lead to the completion of the senior thesis.

Prerequisite(s): A minimum grade of "B" in GEOL 4120 and minimum GPA of 3.0.

GEOL 4831 Senior Thesis Research II**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The process of scientific communication will be investigated and practiced through completion of a senior thesis project. This project includes both a written thesis and research presentation. Students will format a thesis manuscript suitable for publication in a professional journal, and design and deliver an oral presentation suitable for a professional conference.

Prerequisite(s): A minimum grade of "B" in GEOL 4830.

GEOL 5090 Selected Topics**1-9 Credit Hours. 1-9 Lecture Hours. 3-9 Lab Hours.**

This course provides a means by which new courses can be offered for experimental purposes. Graduate students will complete an individual term project or special report.

Prerequisite(s): Permission of instructor required.

Cross Listing(s): GEOL 5090S, GEOL 5090G.

GEOL 5090S Selected Topics**1-9 Credit Hours. 1-9 Lecture Hours. 3-9 Lab Hours.**

This course provides a means by which new courses can be offered for experimental purposes. Graduate students will complete an individual term project or special report.

Prerequisite(s): Permission of instructor required.

Cross Listing(s): GEOL 5090, GEOL 5090G.

GEOL 5130 Geochemistry**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers the theory and applications of stable and radiogenic isotope geochemistry as applied to low-temperature geological processes. Graduate students will complete an individual term project or special report.

Prerequisite(s): CHEM 1146 and GEOL 3541.

GEOL 5131 Economic Mineralogy**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

An introduction to the origins of industrial and metallic mineral resources, and the exploration, discovery and use of such resources. Laboratory work includes identification and evaluation of mineral resources and visits to mines. Graduate students must complete a paper on an assigned topic.

Prerequisite(s): GEOL 3541.**Cross Listing(s):** GEOL 5131G.**GEOL 5132 Regional Field Geology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A field expedition involving geological investigation of a major geologic region of North America. Students will be expected to make geological observations through such techniques as mapping, measuring sections, collecting scientific samples, or other standard techniques, then to analyze and interpret their observations or measurements. A scientific journal or notebook will be used by each student to record data and observations. A final report will be required. Students usually will bear tuition, travel, and living expenses in the field. Graduate students will complete an individual term project or special report.

Prerequisite(s): GEOL 1121.**Cross Listing(s):** GEOL 5132G.**GEOL 5140 Vertebrate Paleontology****4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

A study of the morphology, classification and geologic significance of vertebrate fossils. Graduate students will complete an individual term project or special report.

Prerequisite(s): GEOL 1122 or permission of instructor; GEOL 5141 strongly recommended.**GEOL 5141 Paleontology****0,4 Credit Hours. 0,4 Lecture Hours. 3 Lab Hours.**

This course provides an overview of the major principles, applications, and methods of paleontology. Topics covered in the course include, but are not limited to: the formation of fossils, fossil identification and classification, evolution and extinction, biostratigraphy, biogeography, paleoecology, and functional morphology. Labs utilize a diverse collection of invertebrate fossils and paleontology software. Graduate students will complete a special report, not required of undergraduates.

Prerequisite(s): GEOL 1122.**GEOL 5142 Stratigraphy and Sedimentation****4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

Introduction to the principles and application of stratigraphy and biostratigraphy, and principles of sedimentation. Emphasis is placed on concepts of time, time-rock, rock units, sedimentary facies, guide fossils and fossil range and description of rocks in time and space, their correlation and interpretation. Petrologic interpretation and basic laboratory techniques are also demonstrated. The origin and distribution of sedimentary rocks is examined from initial weathering through erosion and transportation, to environments and mechanisms of deposition. Graduate students will complete an individual term project or special report.

Prerequisite(s): GEOL 3541.**GEOL 5230 Earth Science****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

A systematic study of the earth as a planet, including aspects of its atmosphere, oceans, lithosphere, soils and physiography. The laboratory will emphasize the location and utilization of local, as well as regional materials for earth science teaching and learning. Graduate students will complete an individual term project or special report. This course cannot be used for upper-level course credit in the Geology BA, Geology BS, or Geology Minor programs.

Prerequisite(s): Permission of instructor required.**Cross Listing(s):** GEOL 5230G.**GEOL 5231 General Oceanography****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an integrated approach to the study of oceans with special emphasis on geology, chemistry, and biology of ocean basins. Studies will include the ecological, physical, and geological features of ocean basins, as well as chemical composition of ocean water and oceanic circulation processes. This course cannot be used for upper-level course credit in the Geology BA, Geology BS, or Geology Minor programs.

Prerequisite(s): GEOL 1121 or GEOL 5230.**GEOL 5431 Coastal Geology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Coastal Geology will comprise an introduction to a variety of coastal environments and landforms as well as the physical and geological processes that shape them. Coastal hazards and issues related to the ecology and management of the coast will also be discussed. The course will include two required weekend fieldtrips to coastal areas in the southeastern United States. Graduate students will complete an individual term project or a special report.

Prerequisite(s): GEOL 1122 or permission of instructor; prior completion of GEOL 5142 strongly recommended.**GEOL 5440 Structural Geology****0,4 Credit Hours. 0,4 Lecture Hours. 0 Lab Hours.**

GA study of geologic structures resulting from rock formation and deformation. Attention will be given to recognition and solution of structural problems. Graduate students will complete an individual term project or special report.

Prerequisite(s): GEOL 3542 and MATH 1112 or MATH 1113.**GEOL 5530 Geomorphology****0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.**

A systematic study of landforms and the processes which create and modify them. Graduate students will complete an individual term project or special report.

Prerequisite(s): GEOL 1122 or GEOG 1111.**GEOL 5541 Hydrogeology****4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

A survey of hydrogeology that includes the occurrence, distribution, movement and chemistry of subsurface waters. Emphasizes subsurface hydrology (hydrogeology), but will also include related aspects of surface systems. Major topics covered will include: 1) relationships between precipitation, runoff, and infiltration; 2) porosity and permeability of various earth materials; 3) subsurface movement of water through earth materials; 4) basic chemical characteristics of natural waters; and 5) current water resource issues such as supply, quality, contamination, and remediation. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): GEOL 3542.**GEOL 5542 Advanced Hydrogeology****4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

In-depth study of hydrogeologic and geochemical principles with emphasis on quantitative techniques. Various laboratory and field techniques will be covered, including the use of numerical models and aquifer testing. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): GEOL 5541.**GEOL 5740 Sea Turtle Natural History****4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Designed primarily for in-service teachers, will allow students to earn 4 hours credit for research monitoring sea turtle nesting on St. Catherine's Island, Ga. Students will attend two distance learning training sessions, reside on the island for seven days to observe sea turtle nesting evidence, participate in sea turtle conservation activities, study barrier island natural history with lectures by leading scientists, and collect natural history specimens for their classrooms, and attend a follow-up meeting. Graduate students will complete a resource notebook or term project.

GEOL 5741 Sea Turtle Conservation**4 Credit Hours. 3 Lecture Hours. 8 Lab Hours.**

Designed primarily for pre-service and in-service teachers, will introduce students to conservation through the study of Georgia's sea turtles, content and process skills of science through conservation, and the integration of teaching resources and electronic technologies into their classrooms. May meet by distance learning with laboratory content delivered by Internet, distance learning, fax, or e-mail or by self-contained web-based video streaming (SREC). Will average 3 hours of lecture alternate weeks via distance learning and 4-8 credit hours of laboratory on alternate weekends via Internet, e-mail, and hands-on exercises. Permission of instructor required. Graduate students will complete an endangered species teaching unit or paper.

GEOL 5890 Directed Study**1-4 Credit Hours. 0-3 Lecture Hours. 0-3 Lab Hours.**

Well prepared geology majors may be permitted to carry on independent study upon the recommendation of one of the geology/geography faculty. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): Permission of instructor required.**Cross Listing(s):** GEOL 5890G.

GRMN German

GRMN 1001 Elementary German I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the German language and the culture of the German-speaking world. Beginning of a survey of basic German grammar and the development of the four language skills of listening, speaking, reading and writing German. Some aspects of everyday life in the German-speaking world will also be introduced.

Cross Listing(s): GRMN 1001S.**GRMN 1001S Elementary German I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the German language and the culture of the German-speaking world. Beginning of a survey of basic German grammar and the development of the four language skills of listening, speaking, reading and writing German. Some aspects of everyday life in the German-speaking world will also be introduced.

Cross Listing(s): GRMN 1001.**GRMN 1002 Elementary German II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The second part of an introduction to the German language and the culture of the German-speaking world. Completion of the survey of basic German grammar and further development of the four language skills of listening, speaking, reading, and writing German. Aspects of everyday life in the German-speaking world will also be introduced.

Cross Listing(s): GRMN 1002.**GRMN 1002S Elementary German II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The second part of an introduction to the German language and the culture of the German-speaking world. Completion of the survey of basic German grammar and further development of the four language skills of listening, speaking, reading, and writing German. Aspects of everyday life in the German-speaking world will also be introduced.

Cross Listing(s): GRMN 1002.**GRMN 1060 Accelerated Elementary German****6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

An accelerated introduction to listening, speaking, reading, and writing in German and to the culture of German-speaking regions. Completes the elementary levels of German in one semester.

GRMN 1060S Accelerated Elem. German**6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

An accelerated introduction to listening, speaking, reading, and writing in German and to the culture of German-speaking regions. Completes the elementary levels of German in one semester.

GRMN 2001 Intermediate German I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Building upon communication skills (understanding, speaking, reading, and writing German) and cultural understanding, developed at the elementary level.

Prerequisite(s): A minimum grade of "C" in GRMN 1002.**Cross Listing(s):** GRMN 2001S.**GRMN 2001S Intermediate German I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Building upon communication skills (understanding, speaking, reading, and writing German) and cultural understanding, developed at the elementary level.

Prerequisite(s): A minimum grade of "C" in GRMN 1002.**Cross Listing(s):** GRMN 2001.**GRMN 2002 Intermediate German II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued focus on communication skills and cultural understanding.

Prerequisite(s): A minimum grade of "C" in GRMN 2001.**Cross Listing(s):** GRMN 2002S.**GRMN 2002S Intermediate German II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued focus on communication skills and cultural understanding.

Prerequisite(s): A minimum grade of "C" in GRMN 2001.**Cross Listing(s):** GRMN 2002.**GRMN 2060 Accelerated Intermediate German****6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

Accelerated intermediate German with continued work on listening, speaking, reading, and writing in German and the culture of German-speaking regions. Completes the intermediate levels of German in one semester.

Prerequisite(s): A minimum grade of "C" in GRMN 1002 or GRMN 1060.**Cross Listing(s):** GRMN 2060S.**GRMN 2060S Accelerated Interm. German****6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

Accelerated intermediate German with continued work on listening, speaking, reading, and writing in German and the culture of German-speaking regions. Completes the intermediate levels of German in one semester.

Prerequisite(s): A minimum grade of "C" in GRMN 1002 or GRMN 1060.**Cross Listing(s):** GRMN 2060.**GRMN 2195 Beginning German Conversation in Germany****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Learning the basics of German conversation, with simulated and live situations for practice in the real-life setting of Germany in the study abroad program.

Prerequisite(s): GRMN 1002 or departmental approval.**Cross Listing(s):** GRMN 2195S.**GRMN 2195S Beginning German Conversation in Germany****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Learning the basics of German conversation, with simulated and live situations for practice in the real-life setting of Germany in the study abroad program.

Prerequisite(s): GRMN 1002 or departmental approval.**Cross Listing(s):** GRMN 2195.

GRMN 2535 German Literature in Translation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of certain major German authors and some of their best works read in translation. Also includes a study of the authors of these works and the literary periods in which they were written. Students may not count this course for credit toward a major or a minor in German.

Cross Listing(s): GRMN 2535S.

GRMN 2535S German Literature in Translation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of certain major German authors and some of their best works read in translation. Also includes a study of the authors of these works and the literary periods in which they were written. Students may not count this course for credit toward a major or a minor in German.

Cross Listing(s): GRMN 2535.

GRMN 3030 Selected Topics in German
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Study of topics in German literature, culture, society, thought, or language not included in the regular offerings. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 3030S.

GRMN 3030S Selected Topics in German
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Study of topics in German literature, culture, society, thought, or language not included in the regular offerings. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 3030.

GRMN 3130 German Conversation and Phonetics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Vocabulary building and extensive practice of conversational skills in German through conversational settings. Contrastive analysis of the German and English sound systems and extensive oral practice.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 3130S.

GRMN 3130S German Conversation and Phonetics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Vocabulary building and extensive practice of conversational skills in German through conversational settings. Contrastive analysis of the German and English sound systems and extensive oral practice.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 3130.

GRMN 3132 German Grammar Review
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Intensive review with extensive practice of German grammar, including advanced aspects.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 3132S.

GRMN 3132S German Grammar Review
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Intensive review with extensive practice of German grammar, including advanced aspects.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 3132.

GRMN 3134 Writing in German
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Grammar review, basic instruction in stylistics, and extensive practice in writing both short compositions and longer items.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 3134S.

GRMN 3134S Writing in German
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Grammar review, basic instruction in stylistics, and extensive practice in writing both short compositions and longer items.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 3134S.

GRMN 3185S Studies Abroad: Speaking I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is a course in oral communications in German using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 3231 Listening Skills in German
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Presentation and discussion of select songs, radio plays, films and similar texts and formats. Can be repeated for credit with different content.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 3231S.

GRMN 3231S Listening Skills in German
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Presentation and discussion of select songs, radio plays, films and similar texts and formats. Can be repeated for credit with different content.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 3231.

GRMN 3330 German Language and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of various aspects of the German-speaking countries, including geography, history, politics, business, and the arts.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 3330S.

GRMN 3330S Germany Language and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of various aspects of the German-speaking countries, including geography, history, politics, business, and the arts.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 3330.

GRMN 3385S Studies Abroad: Writing I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is a course in written communications in German using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 4030 Selected Topics in German
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Study of a topic in German literature, culture, society, thought or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 4030S.

GRMN 4030S Selected Topics in German
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Study of a topic in German literature, culture, society, thought or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

Cross Listing(s): GRMN 4030.

GRMN 4185S Studies Abroad: Speaking II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is a course in oral communications in German using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 4230 Readings in German Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Presentation and discussion of German texts from all periods. Can be repeated for credit with different content.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.
Cross Listing(s): GRMN 4230H and GRMN 4230S.

GRMN 4230H Readings in German Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Presentation and discussion of German texts from all periods. Can be repeated for credit with different content.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.
Cross Listing(s): GRMN 4230 and GRMN 4230S.

GRMN 4230S Readings in German Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Presentation and discussion of German texts from all periods. Can be repeated for credit with different content.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.
Cross Listing(s): GRMN 4230 and GRMN 4230H.

GRMN 4330 German Culture and Civilization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Presentation and discussion of topics, issues, and events relevant to understanding the German-speaking countries. Can be repeated for credit with different content.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.
Cross Listing(s): GRMN 4330H, GRMN 4330S.

GRMN 4330H German Culture & Civilization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Presentation and discussion of topics, issues, and events relevant to understanding the German-speaking countries. Can be repeated for credit with different content.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.
Cross Listing(s): GRMN, 4330, GRMN 4330S.

GRMN 4330S German Culture and Civilization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Presentation and discussion of topics, issues, and events relevant to understanding the German-speaking countries. Can be repeated for credit with different content.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.
Cross Listing(s): GRMN 4330, GRMN 4330H.

GRMN 4385S Studies Abroad: Writing II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is a course in written communications in German using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 4790 Internship in Germany
1-15 Credit Hours. 1-15 Lecture Hours. 0 Lab Hours.

Internship in one or more German-speaking countries.

Prerequisite(s): Department approval.
Cross Listing(s): GRMN 4790S.

GRMN 4790S Internship in Germany
1-15 Credit Hours. 1-15 Lecture Hours. 0 Lab Hours.

Internship in one or more German-speaking countries.

Prerequisite(s): Department approval.
Cross Listing(s): GRMN 4790.

GRMN 4890 Directed Study in German
1-15 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Independent study under faculty supervision.

Prerequisite(s): Department approval.
Cross Listing(s): GRMN 4890S.

GRMN 4890S Directed Study in German
1-15 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Independent study under faculty supervision.

Prerequisite(s): Department approval.
Cross Listing(s): GRMN 4890.

GSOU CIR Placeholder Course

GSOU 1000 CIR Placeholder Course
0-99 Credit Hours. 0-99 Lecture Hours. 0-99 Lab Hours.

GSU GSU

GSU 1120 Methods of Learning
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

Designed to promote academic success, Methods of Learning emphasizes opportunities for students to learn and apply strategies that lead to success in their academic courses, including interpreting, organizing, and synthesizing academic information in texts and lectures; identifying and assessing individual learning styles; setting and achieving academic goals; managing time effectively; taking comprehensive notes; and preparing for tests.

GSU 1210A University Orientation
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**GSU 1210H University Orientat (Honors)**
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**GSU 1210O University Orientation**
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**GSU 1210R U Orientation/Contin Students**
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**GSU 1210W University Orientation**
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**GSU 1211H Orientation II (Honors)**
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**GSU 1212 Teaching Internship in GSU 1210**
1-2 Credit Hours. 1-2 Lecture Hours. 0 Lab Hours.**GSU 1220H Uni Orien & Uni Orien II (Hon)**
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**GSU 2121 Career Exploration**
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

This course is designed to provide the student with the opportunity for in-depth career exploration. Within a decision making model, the student will explore self and the world of work and how the two interact. From this framework, students will narrow down career/major choice options using a variety of exercises and resources.

GSU 2122 Professional Development Seminar
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

The seminar will focus on the job search process and preparation for the business world. It is geared towards students who are beginning their job search process and who have completed 60+ hours. Students may also enroll with special permission of the instructor.

GSU 2222 Preparing Students for University Service
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

This course is open to students who have been through a selection process to obtain positions which require working effectively with peers and professional staff and are an integral part of the delivery of services by the Division of Student Affairs. The course teaches student paraprofessionals skills and knowledge to allow them to better serve other students, and introduces students to careers in higher education. The professional staff/instructor has the obligation to provide the essential theoretical and practical information necessary for students to effectively carry out their responsibilities.

Prerequisite(s): Permission of instructor.

GSU 3030 Selected Topics**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.****GSU 5090 Special Topics****1-15 Credit Hours. 1-15 Lecture Hours. 0 Lab Hours.**

HIST History

HIST 1111 World History I: Development of World Civilization**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the major developments in world history from the beginnings of civilization to 1450, establishing the historical context for contemporary global society.

Cross Listing(s): HIST 1111S.**HIST 1111S World History I: Development of World Civilization****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the major developments in world history from the beginnings of civilization to 1450, establishing the historical context for contemporary global society.

Cross Listing(s): HIST 1111.**HIST 1112 World History II: Emergence of Modern Global Community**
0,3 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.

Addresses the historical context of contemporary global society by tracing developments from the fifteenth century to the present.

Cross Listing(s): HIST 1112H, HIST 1112S.**HIST 1112H World History II: Emergence of Modern Global Community****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Addresses the historical context of contemporary global society by tracing developments from the fifteenth century to the present.

Cross Listing(s): HIST 1112, HIST 1112S.**HIST 1112S World History II: Emergence of Modern Global Community****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Addresses the historical context of contemporary global society by tracing developments from the fifteenth century to the present.

Cross Listing(s): HIST 1112H, HIST 1112.**HIST 2110 U.S. A Comprehensive Survey****0,3 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.**

Surveys the United States from precolonial times to the present with special attention to Georgia. Satisfies the Georgia History and U.S. History requirements.

Cross Listing(s): HIST 2110H and HIST 2110S.**HIST 2110H U.S. A Comprehensive Survey****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Surveys the United States from precolonial times to the present with special attention to Georgia. Satisfies the Georgia History and U.S. History requirements.

Cross Listing(s): HIST 2110 and HIST 2110S.**HIST 2110S U.S. A Comprehensive Survey****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Surveys the United States from precolonial times to the present with special attention to Georgia. Satisfies the Georgia History and U.S. History requirements.

Cross Listing(s): HIST 2110 and HIST 2110H.**HIST 2111 U.S. History I****0,3 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.**

A survey of world history to early modern times. Students in this course will be expected to participate frequently in class discussions, take 12 unit quizzes, and proctored midterm and final exams.

Cross Listing(s): HIST 2110, HIST 2110H, HIST 2110S.**HIST 2630 Historical Methods****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the methodologies and techniques of historical research and writing. This course is required for history majors.

Cross Listing(s): HIST 2630S.**HIST 2630H Historical Methods (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

In this course, students will examine the methodologies and techniques of historical research and writing, be introduced to the nature and expectations of the historical profession, and develop the skills necessary to conceive and complete the honors senior thesis.

Cross Listing(s): HIST 2630, HIST 2630S.**HIST 2630S Historical Methods****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the methodologies and techniques of historical research and writing. This course is required for history majors.

Cross Listing(s): HIST 2630, HIST 2630H.**HIST 3030 Selected Topics in History****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Topics vary with individual professor. Honors course is designated for Honor Students.

Cross Listing(s): HIST 3030H and HIST 3030S.**HIST 3030H Selected Topics in History****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Topics vary with individual professor. Honors course is designated for Honor Students.

Cross Listing(s): HIST 3030 and HIST 3030S.**HIST 3030S Selected Topics in History****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Topics vary with individual professor. Honors course is designated for Honor Students.

Cross Listing(s): HIST 3030 and HIST 3030H.**HIST 3111H History Honors Thesis Seminar I****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

In this course, Honors History majors will begin the research component of the Honors Program in History by selecting a research topic and writing a research proposal.

Prerequisite(s): A minimum grade of "C" in HIST 2630.**HIST 3112H History Honors Thesis Seminar II****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

In this course, Honors History majors will continue the research component of the Honors Program in History through a review of the historiographical literature, compilation of an annotated bibliography, and outline of their Senior Honors Thesis project.

Prerequisite(s): A minimum grade of "C" in HIST 3111H.**HIST 3130 African American History to 1877****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

African American history from African beginnings to Reconstruction. This is a study of the thought and actions of people of African ancestry from their origins in precolonial Africa to the conclusion of the Civil War and its aftermath.

Cross Listing(s): AAST 3130.**HIST 3131 African American History Since 1877****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

African American history from Reconstruction to the present.

Cross Listing(s): AAST 3131.**HIST 3132 Young Republic, 1788-1848****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of U.S. history from the Ratification of the Constitution through the end of the war with Mexico. This course will cover major aspects of American politics, economy, and culture as the country expanded to the Pacific.

HIST 3133 United States Constitutional History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of United States Constitutional history from its origins to the present including an exploration of the adaptation of the federal system to changing social, economic, and political demands.

HIST 3134 American Economic History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The changing character of American economic life from colonial times to the modern consumer culture including religious beliefs, economic thought, industrialization, business organization, government-business relations, and social transformation.

HIST 3135 Rise of U.S. to World Power**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies the history of U.S. foreign relations from the initial breach with Britain in the 1770s to the aftermath of the Spanish-American War at the end of the nineteenth century.

HIST 3136 U.S. as a Global Power**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies the history of U.S. foreign relations from the turn of the twentieth century to the present.

Cross Listing(s): HIST 3136S and INTS 3136.**HIST 3136S U.S. as a Global Power****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies of U. S. foreign relations from the turn of the twentieth century to the present.

Cross Listing(s): HIST 3136 and INTS 3136.**HIST 3137 Topics in U.S. Women's History****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the experiences of women in the United States from colonial times to the present within the overall framework of American history. Explores the impact of major historical events on women; the contributions of women to the social, political, cultural and economic development of the US; and the changing roles of women within the family and the workplace. Topic varies. May be repeated for credit.

Cross Listing(s): WGST 3137.**HIST 3139 History of Religion in the U.S.****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey and analysis of the major religious patterns in the United States with special attention given to belief systems, institutional forms, social composition, and historical development.

Cross Listing(s): RELS 3139.**HIST 3150 The History of Vietnam, 236 B.C. to Present****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

In this course, students will be introduced to the history of Vietnam from its origins in 236 B.C. through the present. Included will be the impact of a thousand years of Chinese colonial rule until 939 and then the country's independent development and expansion versus its neighbors in Southeast Asia before the arrival of the French in the early 19th century. The course will then shift to Vietnam's long struggle to regain its independence that only concluded in 1975. Students will develop advanced proficiency in history through readings and writing assignments as well as individual research projects.

HIST 3230 American Military History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies military strategy, tactics, technology, and main features of American conflicts from colonial times to this century.

HIST 3231 Introduction to Public History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This class surveys the field of Public History and its various subfields.

This project-driven class will provide students experience with presenting history through museums, historic sites, media programs, and other public venues.

HIST 3233 The Early Church**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

How did Christianity turn from an illegal, persecuted cult into the official religion of the Roman empire? The course will focus on the first five hundred years of the Christian church: its development, doctrine, and especially its relationship with the ancient civilizations of the Mediterranean world (Greece, Rome, and the Near East).

Cross Listing(s): RELS 3233.**HIST 3234 The History of Islam in Southeast Asia****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

After a brief review of the founding, basic beliefs and practices of Islam, the students will be introduced to the history of Islam in Southeast Asia from its arrival through the present. Included will be how Islam "fit" into the region's existing religiosity as well as its political-economic life. The arrival of Europeans by the 1500s introduced an important new factor into the region which had religious as well as political-economic dimensions, resulting in local resistance and religious as well as secular nationalism. After World War II, with the emergence of new and largely democratic states, the relationship of the state and Islam became a more complex issue and continues to play a significant role in the national lives of the region. Students will develop advanced proficiency in history through readings and writing assignments as well as individual research projects and essay examinations.

HIST 3235 History of Modern Cuba**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will examine the economic, political, social, and cultural history of Cuba from the nineteenth century to the present day. We will explore the island's unique past as it transformed from being a Spanish colony to a neocolonial U.S. protectorate, then an independent nation, and finally a socialist state. We will discuss the question of national identity, the politics of race and gender, economic changes, and the role of what historian Louis A. Perez, Jr. has called the "ties of singular intimacy" between Cuba and the United States. We will also pay specific attention to the national and international popularity of Cuban music and culture, the origins and legacies of the Cuban Revolution of 1959, the difficulties and uncertainties brought on by the dissolution of the Soviet Union, and the future of Cuba in a post-Castro era.

HIST 3250 The Muslim World to Tamerlane**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the rise of Islam in the seventh century and of the various Muslim societies that arose prior to the fifteenth century from the Iberian Peninsula to South Asia.

Cross Listing(s): INTS 3250 and RELS 3250.**HIST 3251 The Muslim World Since Genghis Khan****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the global reach of Islam since the thirteenth century. The focus is on how Muslim societies have dealt with the precipitous decline in their well-being since their pinnacle of influence in the seventeenth century.

Cross Listing(s): INTS 3251 and RELS 3251.**HIST 3330 History of Greece****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of ancient Greek history from the Minoan and Mycenaean civilizations to Alexander the Great.

Cross Listing(s): HIST 3330S.**HIST 3330S History of Greece****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of ancient Greek history from the Minoan and Mycenaean civilizations to Alexander the Great.

Cross Listing(s): HIST 3330.**HIST 3331 History of Rome****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of Roman history and society from the beginnings to the emperor Constantine.

Cross Listing(s): HIST 3331S.

HIST 3331S History of Rome**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of Roman history and society from the beginnings to the emperor Constantine.

Cross Listing(s): HIST 3331.**HIST 3332 Late Antiquity****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the Mediterranean world from the later Roman Empire to the new civilizations of Europe, Byzantium, and Islam.

Cross Listing(s): HIST 3332S.**HIST 3332S Late Antiquity****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the Mediterranean world from the later Roman Empire to the new civilizations of Europe, Byzantium, and Islam.

Cross Listing(s): HIST 3332.**HIST 3333 The Middle Ages****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the development of European civilization and relations between Christendom and Islam from the decline of the Roman Empire to the Renaissance.

Cross Listing(s): HIST 3333S.**HIST 3333S The Middle Ages****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the development of European civilization and relations between Christendom and Islam from the decline of the Roman Empire to the Renaissance.

Cross Listing(s): HIST 3333.**HIST 3334 Christian Europe 450-1750****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The major theme of this course is the development of various Christian traditions in Europe from the early middle ages to the Enlightenment. Topics include the spread of Christianity, formation of distinct Christian churches, and the many wars fought in the name of Christianity.

Cross Listing(s): RELS 3334.**HIST 3337 Europe, 1914-1945****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the role of the two world wars and the interwar period in shaping Europe and the modern international environment.

Cross Listing(s): HIST 3337S.**HIST 3337S Europe, 1914-1945****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the role of the two world wars and the interwar period in shaping Europe and the modern international environment.

Cross Listing(s): HIST 3337.**HIST 3338 Contemporary Europe****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the European experience since the end of World War II. Emphasizes the political, economic social, cultural, and intellectual change and continuity in the years 1945 to the present.

Cross Listing(s): HIST 3338S and INTS 3338.**HIST 3338S Contemporary Europe****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the European experience since the end of World War II. Emphasizes the political, economic social, cultural, and intellectual change and continuity in the years 1945 to the present.

Cross Listing(s): HIST 3338.**HIST 3431 Modern Britain: 1485 to the Present****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This comprehensive survey of the political, economic and cultural history of the British Isles and British Empire covers the period from the end of the Wars of the Roses in 1485 to the present era of devolved sovereignty in Scotland and Wales and the partial independence of Ireland.

HIST 3432 Germany: 1648-Present**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of modern German history, outlining the origins of Prussia, Bismarck's statecraft, the rise and fall of Hitler's Third Reich, and post-World War II Germany.

HIST 3434 Modern European Thought**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of significant figures and developments in modern European intellectual history from the eighteenth century Enlightenment to Post-Structuralism.

HIST 3435 The Scientific Revolution**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of scientific change from Copernicus to Newton.

HIST 3436 The Holocaust**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will examine the origins, implementation, and legacy of the Holocaust: the attempt of the Nazis to eliminate Europe's Jews and other ethnic groups labeled as undesirables by the National Socialist Movement in Germany.

Cross Listing(s): HIST 3436S.**HIST 3436S The Holocaust****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will examine the origins, implementation, and legacy of the Holocaust: the attempt of the Nazis to eliminate Europe's Jews and other ethnic groups labeled as undesirables by the National Socialist Movement in Germany.

Cross Listing(s): HIST 3436.**HIST 3530 History of Africa to 1800****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Traces the development of significant social, economic and political institutions within precolonial Africa.

Cross Listing(s): AAST 3530 and INTS 3530.**HIST 3531 History of Africa since 1800****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Traces significant developments in precolonial, colonial and post-colonial African history. These include trade and the origins of the colonial state as well as African encounters with colonialism.

Cross Listing(s): AAST 3531 and INTS 3531.**HIST 3532 The Modern Middle East****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the major developments in the Middle East since World War I.

Cross Listing(s): INTS 3532.**HIST 3533 Modern Eastern Europe****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of Eastern Europe which will stress the political, social, economic, military and cultural development of 19th and 20th century Poland, Hungary, and Czech Republic as well as the Balkan nations.

HIST 3534 Modern Southeast Asia**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Common themes of the region from 1600, including the impact of the West, the nationalist response, and the post-WW II rise of a modern community of nations.

Cross Listing(s): INTS 3534.**HIST 3536 Russia to 1917****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the history of Russia from its Kievan origins to the Revolution of 1917.

Cross Listing(s): HIST 3536S.**HIST 3536S Russia to 1917****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the history of Russia from its Kievan origins to the Revolution of 1917.

Cross Listing(s): HIST 3536.

HIST 3537 Colonial Latin America**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A political, social, and economic survey of Latin America from its pre-Columbia era to its struggles for independence.

Cross Listing(s): INTS 3537 and LAST 3537.**HIST 3538 Modern Latin America****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A political, social, and economic survey of Latin America from independence to the present.

Cross Listing(s): INTS 3538, INTS 3538S, LAST 3538, LAST 3538S.**HIST 3630H History Honors Seminar****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

In this course, History majors in the Honors program will select a historical topic, begin researching it, choose a faculty mentor, and write a thesis prospectus that includes a review of the historiographical literature and an annotated bibliography.

Prerequisite(s): A minimum grade of "B" in HIST 2630.**HIST 4030 Directed Study in History****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Independent study with topics varying by professor.

Cross Listing(s): HIST 4030H and HIST 4030S.**HIST 4030H Directed Study in History****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Independent study with topics varying by professor.

Cross Listing(s): HIST 4030 and HIST 4030S.**HIST 4030S Directed Study in History****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Independent study with topics varying by professor.

Cross Listing(s): HIST 4030 and HIST 4030H.**HIST 4111H History Honors Thesis Seminar III****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

In this course Honors History majors will progress through the research component of the Honors Program in History by completing a first draft of their Senior Thesis project.

Prerequisite(s): A minimum grade of "C" in HIST 3111H or HIST 3112H.**HIST 4112H History Honors Thesis Seminar IV****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

In this course Honors History majors will progress through the research component of the Honors Program in History by completing the final version of their Senior Honors Thesis project and presenting their findings at the Undergraduate Research Symposium.

Prerequisite(s): A minimum grade of "C" in HIST 3111H or HIST 3112H or HIST 4111H.**HIST 4130 Georgia History****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores important political, social, cultural, and economic developments that have shaped modern Georgia. Satisfies the Georgia Constitution and Georgia History requirements.

HIST 4131 Biography and History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Analysis of biography as a genre in historical writing and scholarship using life stories of representative individuals in history.

HIST 4132 Recent America: U.S. Since 1945**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Surveys the history of the United States from World War II to the present, including social, political, and economic developments.

HIST 4133 U.S. Diplomacy: The Cold War**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the history of U.S. foreign relations from the aftermath of World War II to the collapse of the Soviet Union.

Cross Listing(s): INTS 4133.**HIST 4134 The Civil Rights Movement****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course explores the origins, ideologies, strategies and legacy of the modern civil rights movement in the North and the South with special focus on the impact of race, class and gender on civil rights from 1946-1968.

Cross Listing(s): AAST 4134.**HIST 4135 The United States in the 1960's****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the cultural, social and political changes in the United States during the 1960s. Topics include the Civil Rights movement, the Vietnam War, the rise of feminism, the counterculture, and the conservative backlash.

HIST 4230 The Renaissance**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the cultural, intellectual, political, economic and social aspects of Italy from 1300-1525, with additional reference to its northern European context.

Cross Listing(s): HIST 4230S.**HIST 4230S The Renaissance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the cultural, intellectual, political, economic and social aspects of Italy from 1300-1525, with additional reference to its northern European context.

Cross Listing(s): HIST 4230.**HIST 4334 Colonial Experience: Response****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****HIST 4335 Woman Question" in Europe****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An Intellectual History course focusing on the debate over women's nature, women's roles, and the notion of "woman". Although the "woman question" has a history spanning the entire modern period, this course will examine the period 1848-1950 when many of the classic texts appeared.

Cross Listing(s): WGST 4335.**HIST 4336 Science and Religion****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the interactions between science and religion from ancient times to the present.

Cross Listing(s): RELS 4336.**HIST 4337 Technology and the Historian****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course considers the implications of new technologies for the reading, writing, organization and presentation of history. Along with analyzing how technological development has helped fashion collective memory, the course emphasizes creating and implementing design solutions for the communication of historical findings through individual and group projects.

HIST 4431 Invasion of the Americas: Contact, Encounter and Colonization in Early America**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The Atlantic World context for the settlement of North America, initial contacts between Old World and New, and the processes of colonization and intercultural encounter are the primary subjects of this course.

HIST 4432 Early American History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on early American history from the pre-contact to the period just prior to the Revolution. It examines the growing prosperity of the colonial American colonies, the increasing diversity of their populations, and the tensions and crises that resulted from both of these developments. Topics will include the rise of slavery, the birth of consumer society, and the contest among European nations and their Indian allies over the future of North America.

HIST 4530 Revelation and Revolution**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores issues of gender, spirituality, and power within the context of African history.

Cross Listing(s): AAST 4530 and WGST 4530.**HIST 4531 World War I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the background, origins, diplomacy, strategy, critical turning points, conclusion, and meaning of World War I.

Cross Listing(s): HIST 4531H, HIST 4531S.**HIST 4531H World War I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the background, origins, diplomacy, strategy, critical turning points, conclusion, and meaning of World War I.

Cross Listing(s): HIST 4531, HIST 4531S.**HIST 4531S World War I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the background, origins, diplomacy, strategy, critical turning points, conclusion, and meaning of World War I.

Cross Listing(s): HIST 4531.**HIST 4532 Destruction of Slavery****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on the end of plantation slavery in the nineteenth century Atlantic World. The geographic concentration and topics covered will vary according to the focus of the instructor.

Cross Listing(s): AAST 4532.**HIST 4533 The History of Flight****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the development of aeronautics from the earliest ideas through the space age.

HIST 4534 Dinosaurs and Extinctions**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The history of (1) the meaning of fossils, meteorites, comets, and asteroids; (2) the discovery of dinosaurs and other extinct animals; and (3) the various extinction theories.

HIST 4635 Senior Seminar**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A senior seminar in which students will engage in extensive research in historical sources and literature relating to a specific problem or topic. Emphasis will be on the individual preparation of research papers. Topics will vary with professor.

Prerequisite(s): A minimum grade of "C" in HIST 2630.**HIST 4635S Senior Seminar****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A senior seminar in which students will engage in extensive research in historical sources and literature relating to a specific problem or topic. Emphasis will be on the individual preparation of research papers. Topics will vary with professor.

Prerequisite(s): A minimum grade of "C" in HIST 2630.**HIST 4690 Senior Thesis****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Readings in the literature and philosophy of history under the direction of a faculty member with the goal of completing a senior thesis. Admission only by permission of the department.

HIST 4790 Internship in History**1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Designed to give History majors applied history experiences in museums, historical societies, historical sites, or other venues approved by the History Department chair. May be taken only by History majors.

HIST 5030 Selected Topics in History**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Topics will vary with individual professor. Graduate students will be given an extra assignment (s) determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5030G, HIST 5030S.**HIST 5030S Selected Topics in History****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Topics will vary with individual professor. Graduate students will be given an extra assignment (s) determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): SPAN 5030, SPAN 5030G.**HIST 5130 American Indian History****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the history of American Indians from pre-contact to the present, supplemented by case studies from a number of regions.

Cross Listing(s): SPAN 5130G.**HIST 5133 Revolutionary America****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An intensive study of themes in Revolutionary American history (from 1763 to approximately 1790), including the growing rift between Britain and its colonies, the roles of women and African-Americans, and the origins of American identity. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5133G.**HIST 5134 Civil War and Reconstruction****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the sectional polarization of the 1850's, the impact of war on the southern and northern home fronts, and the trauma of reconstructing the Union. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5134G.**HIST 5136 Recent America: U.S. Since 1945****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Surveys the history of the United States from World War II to the present, including social, political, and economic developments. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5136G.**HIST 5137 The Antebellum South****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The social, intellectual, cultural, economic, and political history of the American South to 1861 with an emphasis on Georgia's role. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5137G.**HIST 5138 The New South****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The social, intellectual, cultural, economic, and political history of the post-Civil War South with an emphasis on Georgia's role. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5138G.**HIST 5230 Advertising and Culture****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Surveys the business of selling consumer goods from the nineteenth century to the present with analysis of how advertising became a cornerstone of the consumer culture and how ads historically have communicated images of the American dream. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5230G.

HIST 5232 Working Class History in the United States**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the social, cultural and political history of the working class in the United States since industrialization. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5232G.**HIST 5233 The American City****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of American urban development from the colonial period to the present with particular attention paid to migration, architecture, technology, politics, transportation, and urban culture in the late nineteenth and twentieth centuries. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s):HIST 5233G, AAST 5233, AAST 5233G.**HIST 5234 Piracy in the Americas, 1500-1750****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the history of piracy in the Americas during the Golden Age of Piracy, a period that ranges from European contact to the mid-1700s. It is an age marked by exploration, colonization, overseas trade, endemic religious conflicts, expansive empires, and refractory fiefdoms. Spain and Portugal began the exploration, overseas trade and conquest of this period, but their successes quickly led their northern neighbors, particularly the French, English, and Dutch, to cast their covetous eyes upon slow-moving, inbound treasure fleets of their southern neighbors; creating an elaborate game between predators and prey. The interactions that developed between predators and prey will be the primary subject of this course. Graduate students will be given an extra assignment, determined by the instructor.

Cross Listing(s): HIST 5234G.**HIST 5236 Religion, Empire, and Revolution in the Eighteenth Century****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will follow the so-called long eighteenth century -- an era of great historical change and globalization -- through the many religious, intellectual, and scientific achievements associated with the rise and fall of European empires in the Atlantic World from c. 1650-1815. This era culminated in revolutionary movements that included the American, French, Haitian, and the Latin American Revolutions, events which arguably influenced much of nineteenth-, and twentieth-century global history. This course proceeds through an examination of various topics associated with this important crucible of global modernity: such topics may include religious change and the Enlightenment, imperial competition and absolutism, debates over race, slavery and gender equality, slavery in the Enlightenment, and the Age of the Democratic and Atlantic Revolutions. Graduate students will be given an extra assignment determined by the instructor which undergraduates will not be required to do.

Cross Listing(s): HIST 5236G.**HIST 5332 The Reformation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on the breakup of western Christian unity in the sixteenth century, particularly on the formation of Lutheran and Calvinist denominations and the social, political, and economic consequences for all Europeans through the seventeenth century. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5332G, RELS 5332, RELS 5332G.**HIST 5335 World War II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The Second World War from its origins to its consequences. The military campaigns are covered, but there is also emphasis on the personalities, the technology, the national policies, and the effect of the war on the home fronts. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5335G.**HIST 5336 Revolutionary France****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the causes, course, and consequences of the French Revolutionary and Napoleonic Eras. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5336S, HIST 5336G.**HIST 5336S Revolutionary France****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the causes, course, and consequences of the French Revolutionary and Napoleonic Eras. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5336, HIST 5336G.**HIST 5339 Britain and the World****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the diplomatic, economic, colonial, environmental or cultural relationships between the British Isles and the broader world since 1485. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5339G.**HIST 5430 Modern France****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the history of France from the fall of Napoleon Bonaparte in 1815 to the present. It will examine the political, diplomatic, cultural, economic, social, intellectual, and artistic developments which have shaped France in the modern era. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5430G.**HIST 5431 Advanced Topics in Public History****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

In this course, students will develop advanced proficiency in the professional practice of Public History through readings and experiential learning that will prepare them to present historical knowledge to a public audience. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Topics vary. May be repeated for credit.

Cross Listing(s): HIST 5431G.**HIST 5530 20th Century Russia****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the history of Russia in the 20th century. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5530S, HIST 5530G.**HIST 5530S 20th Century Russia****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the history of Russia in the 20th century. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5530, HIST 5530G.

HIST 5531 Modern Japan**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Japan through the Tokugawa period to its nineteenth century emergence from isolation and its growth as a world power with emphasis on traditional culture, industrialization, and post-WW II society. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5531G, HIST 5531S, INTS 5531, INTS 5531G, INTS 5531S.

HIST 5531S Modern Japan**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Japan through the Tokugawa period to its nineteenth century emergence from isolation and its growth as a world power with emphasis on traditional culture, industrialization, and post-WW II society.

Cross Listing(s): HIST 5531, HIST 5531G, INTS 5531, INTS 5531G, INTS 5531S.

HIST 5532 Modern China, 1600 to 1949**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course not only offers a general survey on the history of modern China from the rise of the Qing dynasty in 1644 to the establishment of the People's Republic of China in 1949, but also introduces students to the historiography of modern China and requires students to analyze and discuss related theoretical issues. Graduate students will be given extra assignments determined by the instructor which undergraduates will not be required to do.

Cross Listing(s): HIST 5532G, INTS 5532, INTS 5532G.

HIST 5533 Economic Rivals: U.S.-EC-Japan**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Contrasts the historical development of business in the U.S., European Community, and Japan from preindustrial times to the present, emphasizing how culture, economics, and politics have shaped business growth and international trade, creating rival capitalists. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5533G, INTS 5533, INTS 5533G.

HIST 5534 Contemporary China, 1949 to Present**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on China's unique historical trajectory of modernization from 1949 to the present. It consists of a series of topical lectures on changes in China's politics, economy, society, and culture, with special emphasis on important events such as the Great Leap Forward, the Cultural Revolution, China's Post-Mao Reforms, the 1989 Tiananmen Incident, and the 2008 Beijing Olympics. Graduate students will be given extra written assignments determined by the instructor that integrate more articles and books in their research and will be required to show greater sophistication in primary source analysis.

Cross Listing(s): HIST 5534G.

HLTH Health

HLTH 1520 Healthful Living**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Introduces students to fundamental concepts associated with healthful living throughout the life span in modern society. Course content focuses upon the promotion of health and wellness within individuals, families and communities through an understanding of healthful living, development of healthy lifestyles and avoiding or overcoming harmful habits.

Cross Listing(s): HLTH 1520H and HLTH 1520S.

HLTH 1520H Healthful Living**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Introduces students to fundamental concepts associated with healthful living throughout the life span in modern society. Course content focuses upon the promotion of health and wellness within individuals, families and communities through an understanding of healthful living, development of health lifestyles and avoiding or overcoming harmful habits.

Cross Listing(s): HLTH 1520.

HLTH 1520S Healthful Living**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Introduces students to fundamental concepts associated with healthful living throughout the life span in modern society. Course content focuses upon the promotion of health and wellness within individuals, families and communities through an understanding of healthful living, development of healthy lifestyles and avoiding or overcoming harmful habits.

Cross Listing(s): HLTH 1520 and HLTH 1520H.

HLTH 2120 Safety Principles and First Aid Techniques**0,2 Credit Hours. 0,1 Lecture Hours. 0,3 Lab Hours.**

Enables students to learn to function more effectively in personal, social and vocational roles by developing expertise that will enable them to reduce to a minimum the risk of accident involvement. Special emphasis is placed on the concepts of accident causation, counter measures and how to respond to a wide variety of injury and sudden illness emergencies. Students satisfying American Red Cross standards will receive certification in Community First Aid and Safety/Community CPR.

HLTH 2510 Medical Terminology**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Equips the student with the basic skills needed to read, understand and interpret medical terms common to health related issues and tasks.

HLTH 3133S Health Prom Prog Planning**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides the student with the theory and practical applications of planning, developing, implementing and evaluating health promotion programs in a variety of settings. The focus will be on a global approach to planning with emphasis on the worksite, hospital and the community as settings for health promotion programming.

HLTH 3135 Topics in Coordinated School Health**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will review and synthesize content on selected topics in school health such as mental health, intention and unintentional injury, personal health, chronic and communicable disease, and environmental health.

Prerequisite(s): A minimum grade of "C" in HLTH 1520.

HLTH 3332 Coordinated School Health Programs**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to study the basic principles and practices underlying the organization and administration of a coordinated school health program including the relationship to current child health status. Assessment and planning of developmentally appropriate health instruction, examination of health education curricula with content focus on the following health topics: nutrition, consumer health, environmental/community health, disease prevention, sexuality and substance use education will also be addressed.

Prerequisite: A minimum grade of "C" in HLTH 1520; and junior standing and formal acceptance into the Teacher Education Program or consent of instructor.

HLTH 3431 Methods and Materials for School Health Education**0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.**

Introduces the student to productive, creative, innovative and effective methods needed to implement comprehensive school health education. Students will become familiar with organizing and presenting health content, health materials, health curricula, community resources and using technology for K-12 with emphasis on middle and secondary school students. An integral component of the class will be the participation in peer teaching experiences in the school setting.

Prerequisite(s): A minimum grade of "C" in HLTH 1520 and Sophomore status and above.

HLTH 3432 HPE Curriculum Development**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides the student with the knowledge, skills, and resources to develop a philosophical position and curricular materials consistent with that position and with state and national guidelines.

Prerequisite(s): Admission to Teacher Education Program in Health and Physical Education.

HLTH 3530 Health and Physical Education for the Early Childhood Teacher**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Develops the elementary classroom teacher's ability to organize and implement a developmentally appropriate health and physical education program for students. Emphasis will be placed upon teaching strategies and methodologies.

Prerequisite(s): Admission to Teacher Education Program.

HNRM Hotel and Restaurant Management

HNRM 2333 Intro to Hotel & Restaur Indus**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the history of services management, the organizational forms and professional opportunities in the hospitality industry.

HNRM 3090 Selected Topics in Hotel and Restaurant Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides students with the opportunity to study contemporary and international topics and issues relevant to the hotel and restaurant management profession.

HNRM 3090S Selected Topics in Hotel and Restaurant Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides students with the opportunity to study contemporary and international topics and issues relevant to the hotel and restaurant management profession.

HNRM 3331 Hospitality Industry Management I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the history of services management, the organizational forms and professional opportunities in the hospitality industry.

HNRM 3336 Hotel Operations**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on four major lodging management components: service management, operations management, developing leadership potential and employee productivity.

Prerequisite(s): A minimum grade of "C" in all of the following HNRM 3331 and ACCT 2030 or ACCT 2101 and ACCT 2102.

HNRM 3337 Promoting the Hospitality Industry**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course applies marketing concepts to the promotion of hotel and restaurant operations.

Prerequisite(s): A minimum grade of "C" in HNRM 3331.

HNRM 3338 Hospitality Industry Management II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course applies the principles of management and human resources to hotel and restaurant operations.

Prerequisite(s): HNRM 3331.

HNRM 3338S Hosp Ind Mgmt 2**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course applies the principles of management and human resources to hotel and restaurant operations.

Prerequisite(s): HNRM 3331.

HNRM 4334 Food and Beverage Operations**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Emphasis is placed on strategic planning, the budgetary process, productivity, purchasing and the use of technological advances affecting profitability and customer satisfaction in a food serve facility.

Prerequisite(s): A minimum grade of "C" in HNRM 3331 and HNRM 3337.

HNRM 4335 Restaurant Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on various aspects of restaurant management including guest service, employee supervision, food procurement, reservations and inventory control.

Prerequisite(s): A minimum grade of "C" in HNRM 3331.

HNRM 4336 Hospitality Issues and Perspectives**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The study of organizations, strategic planning and implementation, leadership and decision processes in the hospitality industry.

Prerequisite(s): A minimum grade of "C" in HNRM 3331 and HNRM 3336.

HNRM 4730 Internship in Hospitality Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Supervised work-study program in a hotel, restaurant or resort. Students are expected to be employed in a full-time, semester-long position with a business that is approved by HNRM Internship Director.

HNRM 4899 Directed Individual Study**1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.

HUMN Humanities

HUMN 2321 Humanities I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A historically-organized interdisciplinary approach to the fine and performing arts from antiquity to ca. 1600. Team taught large group lectures and small group discussions. Students are expected to enroll in both HUMN 2321 and HUMN 2322 to fulfill Area C requirement of the Core.

Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in ENGL 1101 or WRIT 1101.

Cross Listing(s): HUMN 2321S.

HUMN 2321S Humanities I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A historically-organized interdisciplinary approach to the fine and performing arts from antiquity to ca. 1600. Team taught large group lectures and small group discussions. Students are expected to enroll in both HUMN 2321 and HUMN 2322 to fulfill Area C requirement of the Core.

Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in ENGL 1101 or WRIT 1101.

Cross Listing(s): HUMN 2321.

HUMN 2322 Humanities II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A historically-organized interdisciplinary approach to the fine and performing arts from ca. 1600 to the present. Team taught large group lectures and small group discussions. Students are expected to enroll in both HUMN 2321 and HUMN 2322 to fulfill Area C requirement of the Core.

Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in ENGL 1101 or WRIT 1101.

Cross Listing(s): HUMN 2322S.

HUMN 2322S Humanities II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A historically-organized interdisciplinary approach to the fine and performing arts from ca. 1600 to the present. Team taught large group lectures and small group discussions. Students are expected to enroll in both HUMN 2321 and HUMN 2322 to fulfill Area C requirement of the Core.

Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in ENGL 1101 or WRIT 1101.

Cross Listing(s): HUMN 2322.

HUMN 2433 Classicism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores classicism as both a philosophical approach and an aesthetic style in art, rhetoric, literature, architecture, and music.

Cross Listing(s): HUMN 2433S.

HUMN 2433S Classicism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores classicism as both a philosophical approach and an aesthetic style in art, rhetoric, literature, architecture, and music.

Cross Listing(s): HUMN 2433.

HUMN 2434 Myth in Arts and Humanities**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores selected myths and their treatments in art, rhetoric, literature, theater, and music.

Cross Listing(s): HUMN 2434S.

HUMN 2434S Myth in Arts and Humanities**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores selected myths and their treatments in art, rhetoric, literature, theater, and music.

Cross Listing(s): HUMN 2434.

IDS Interdisciplinary Studies

IDS 3090 Special Topics**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Offers varied courses which are interdisciplinary in nature.

Prerequisite(s): Departmental approval.

IDS 3090S Special Topics**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Offers varied courses which are interdisciplinary in nature.

IDS 4111 Capstone in Interdisciplinary Studies**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

The capstone course in interdisciplinary studies provides students in the Bachelor of General Studies program with a forum and with the tools needed to functionally blend the elements of the major, articulate the competencies they have developed and achieved, demonstrate the efficacy of their individualized degree program, and communicate that information to internal and external audiences.

Prerequisite(s): A minimum grade of "C" in ENGL 1102 and departmental approval.

INDS Interior Design

INDS 2430 Design Appreciation**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A general introduction to the principles and elements of design as they relate to the built environment. Overview of style as seen through interior furnishings and accessories. Discussion and analysis of design process, theory, and an overview of components and materials. Exploration of human factors, environmental considerations, and spatial relationships.

INDS 2435 Design Studio I**3 Credit Hours. 1 Lecture Hour. 0 Lab Hours.**

An introduction to the basic concepts, skills, and graphics used to represent interior design applications. Design projects will include technical drafting of construction drawings and measured and freehand perspectives as well as the fundamental execution of presentation skills in sketching, mixed media renderings, detail drawings, and model building.

Prerequisite(s): ART 1010, ART 1020, INDS 2430.

INDS 2436 Interior Materials and Systems**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the selection and application of materials and finishes in the design of the built environment. Introduction to building technology with an emphasis on developing an awareness of buildings and their systems. Research of resources and communication with various entities involved with the building/design process will be incorporated. Cost and quantity estimating as well as budgeting will be introduced.

Prerequisite(s): INDS 2430.

INDS 2437 Interior Design CAD I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introductory computer-aided drafting and communication course. A basic overview of AutoCAD, file management, and the fundamental execution of drafting components. Introduction to the basic concepts of 3-D modeling.

Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in INDS 2435 and either CISM 1120, CISM 1110, CISM 1130 or Permission of Instructor.

INDS 3238 Textiles for Interiors**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Investigates the production, specifications and regulations, and serviceability of textiles for residential and commercial interiors. Emphasis on soft floor coverings, upholstered furniture, window and wall coverings, and other current developments in the textile field.

Prerequisite(s): INDS 2430.

INDS 3431 History of Interiors**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An integrated history of architectural styles, interiors, and their furnishings related to major global cultures as well as an emphasis on interior architecture, furniture styles, interior designers, industrial designers, architects, and accessories from the prehistoric period through of the contemporary movement.

Prerequisite(s): INDS 2430 or Permission of Instructor.

INDS 3431H Hist of Interiors (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An integrated history of architectural styles, interiors, and their furnishings related to major global cultures as well as an emphasis on interior architecture, furniture styles, interior designers, industrial designers, architects, and accessories from the prehistoric period through of the contemporary movement.

INDS 3434 Lighting**0,3 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.**

The principles of lighting design and the impact on interior space are explored through an analysis of environmental constraints, calculations, economics, design theory, technical and aesthetical components.

Prerequisite(s): A minimum grade of "C" in INDS 2430 and INDS 3435.

INDS 3435 Design Studio II**0,3 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.**

The design planning process as it applies to the moderate scale residential interior environment. Intermediate projects utilizing design philosophy and concept development, space planning and design development to include interior architectural details, finishes, and furniture, as well as clients of diverse populations. Area of emphasis is residential incorporating universal design, kitchen planning and aging in place components.

Prerequisite(s): INDS 2435, INDS 2436, INDS 2437.

INDS 3435H Design Studio II (Honors)**0,3 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.**

The design planning process as it applies to the moderate scale residential interior environment. Intermediate projects utilizing design philosophy and concept development, space planning and design development to include interior architectural details, finishes, and furniture, as well as clients of diverse populations. Area of emphasis is residential incorporating universal design, kitchen planning and aging in place components.

Prerequisite(s): INDS 2435, INDS 2436, INDS 2437.**INDS 3436 Design Studio III****3 Credit Hours. 1 Lecture Hour. 0 Lab Hours.**

The design planning process as it applies to the medium scale interior space. Intermediate projects utilizing design philosophy and concept development, schematic design, and design development which include the application of furniture, finishes, and interior architectural components and details. Research and analysis of sustainable materials, environmental systems, building codes, and diverse populations. Studio collaboration and assessment of skills through peer and external evaluation. Areas of emphasis may include hospitality, multi-residential, healthcare, adaptive reuse, and commercial.

Prerequisite(s): INDS 2437, INDS 3435, INDS 3437, ART 1030.**INDS 3437 Interior Design CAD II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Advanced computer-aided drafting with an emphasis on building information modeling (BIM). Application of current industry standard 3-dimensional modeling software, and the fundamental execution of graphic drawing communication and management.

Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in INDS 2437 and INDS 3435.**INDS 3438 Professional Practices I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Basic business principles, professional responsibility and ethics, professional organizations, client relationships, and communication techniques will be explored. The development of internship and job placement strategies and required documents as well as the study of the professional practice of interior design.

Prerequisite(s): INDS 3435.**INDS 3530 Sustainable Materials and Methods for the Interior Environment****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to theories of sustainability and its application to the interior built environment including sustainable interior building materials and systems. The impact of the built interior environment on global natural resources and environmental rating systems will be addressed.

Prerequisite(s): TCGT 1530 and INDS 2436 or Permission of Instructor.**INDS 3530S Sust. Mater/Meth Int. Envir.****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to theories of sustainability and its application to the interior built environment including sustainable interior building materials and systems. The impact of the built interior environment on global natural resources and environmental rating systems will be addressed.

Prerequisite(s): TCGT 1530 and INDS 2436 or Permission of Instructor.**INDS 4427 Interior Design Portfolio****2 Credit Hours. 1 Lecture Hour. 2 Lab Hours.**

A senior level course which allows the student to develop a professional interior design portfolio and promotional materials required for pursuing a career in the field. Students will also display their work through a senior exhibition.

Prerequisite(s): A minimum grade of "C" in INDS 3436 and prior or concurrent enrollment with a minimum grade of "C" in INDS 4446.**INDS 4430 Digital Presentation and Communication****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Application of advanced 3-dimensional modeling and digital rendering techniques through the use of current industry standard software. Study and research of appropriate professional presentation methods will be incorporated. Students' project presentation materials will be assessed and updated.

Prerequisite(s): INDS 2437, INDS 3436, INDS 3437.**INDS 4434 Professional Practices II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Business development and procedures, project management, contract administration, contract documents and specifications, and design contracts will be the focus of this advanced level of business procedures and practices. Research of contemporary social, political, and ecological issues in the global marketplace will be explored.

Prerequisite(s): INDS 3436, INDS 3438, INDS 4790.**INDS 4434H Professional Practices II Hon****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Business development and procedures, project management, contract administration, contract documents and specifications, and design contracts will be the focus of this advanced level of business procedures and practices. Research of contemporary social, political, and ecological issues in the global marketplace will be explored.

Prerequisite(s): INDS 3436, INDS 3438, INDS 4790.**INDS 4435 Design Studio IV****0,3 Credit Hours. 0,1 Lecture Hours. 0,4 Lab Hours.**

The design planning process as it applies to the more complex larger scale interior space. Intermediate projects utilizing design philosophy and concept development, space planning and design development to include furniture, finish and interior architectural materials, building codes, and diverse populations. Areas of emphasis may include work environments including systems, hospitality, retail, adaptive reuse, and other appropriate commercial environments.

Prerequisite(s): A minimum grade of "C" in INDS 3238, INDS 3434, INDS 3436, INDS 3437, TCM 3333; and prior or concurrent enrollment with a grade of "C" in INDS 3438.**INDS 4446 Design Studio V****0,4 Credit Hours. 0,2 Lecture Hours. 0,4 Lab Hours.**

A capstone course for the interior design student that will provide an advanced integrative research and design experience. Projects are complex, specific design situations that will be based on current trends in design. Areas of emphasis may include multi housing, healthcare, or socially responsible design.

Prerequisite(s): A minimum grade of "C" in INDS 3436, INDS 4427, INDS 4435.**Cross Listing(s):** INDS 4446H.**INDS 4446H Design Studio V (Honors)****0,4 Credit Hours. 0,2 Lecture Hours. 0,4 Lab Hours.**

A capstone course for the interior design student that will provide an advanced integrative research and design experience. Projects are complex, specific design situations that will be based on current trends in design. Areas of emphasis may include multi housing, healthcare, or socially responsible design.

Prerequisite(s): A minimum grade of "C" in INDS 3436, INDS 4427, INDS 4435.**Cross Listing(s):** INDS 4446H.**INDS 4790 Interior Design Internship****3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A supervised summer work-study program with selected organizations which perform professional services related to the field of interior design. The internship will serve as an educational bridge between the junior level and the senior level of design studies.

Prerequisite(s): A minimum grade of "C" in INDS 3436 and INDS 3438.

INDS 4899 Directed Individual Study**1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.

Prerequisite(s): Permission of Instructor.

INTS International Studies

INTS 2090 Selected Topics in International Studies**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Selected Topics in International Studies.

INTS 2090S Selected Topics in International Studies**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Selected Topics in International Studies.

INTS 2130 Introduction to International Studies**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course is designed to introduce students to a complex array of interdisciplinary perspectives that define the relationships and issues of the contemporary international system. Students are exposed to economic, social, political, geographical, technological, and cultural challenges facing the contemporary world.

INTS 2130H Intro to International Studies**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introductory course intended to provide students with a set of intellectual tools to identify and address the most pressing contemporary global events which are making headlines throughout the world today. In doing so, this course will introduce the concepts of "global" issues, the study of conflict from a regional/cultural perspective, and the study of contemporary events using a "level of analysis" perspective.

INTS 2130S Introduction to International Studies**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****INTS 2132 Politics of Ethnicity****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****INTS 2630 Research Methods in International Studies****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an introduction to the types of qualitative research designs and research techniques inherent in the multidisciplinary concentrations of International Studies. Students will examine and have direct experience in data collection, analysis, and research reporting.

Prerequisite(s): INTS 2130.**INTS 3090 Selected Topics in International Studies****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Selected Topics in International Studies.

Cross Listing(s): INTS 3090S.**INTS 3090S Selected Topics in International Studies****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Selected Topics in International Studies.

Cross Listing(s): INTS 3090.**INTS 3111H Honors Thesis Seminar I****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

In a seminar setting, students will conduct readings about the research process with a focus on developing an honors thesis proposal.

Prerequisite(s): INTS 2130.**INTS 3112H Honors Thesis Seminar II****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

In a seminar setting, students will continue to progress toward researching and writing the honors thesis. Particular emphasis will be given to construction of a comprehensive literature review and research design.

Prerequisite(s): INTS 3111H.**INTS 3130 Contemporary World Cultures****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Survey and analysis of contemporary world cultures, in which selected cultural features, such as religion, political institutions, and interpersonal communications are examined across applicable cultures.

Prerequisite(s): INTS 2130.**Cross Listing(s):** INTS 3130S.**INTS 3130S Contemporary World Cultures****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Survey and analysis of contemporary world cultures, in which selected cultural features, such as religion, political institutions, and interpersonal communications are examined across applicable cultures.

Cross Listing(s): INTS 3130.**INTS 3132 Asian Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the diversities across and within all the major countries in the region including India, Pakistan, Bangladesh, Nepal, Sri Lanka, Indonesia, the Philippines, Thailand, Malaysia, Singapore, Myanmar/Burma, Vietnam and Cambodia. It analyzes the following key themes in the context of South and Southeast Asia - nationalism, colonialism, regime change, economic development, civil society and social movements, political conflict, and ethno-religious pluralism.

Cross Listing(s): INTS 3132S, POLS 3132, POLS 3132S.**INTS 3132S Asian Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the diversities across and within all the major countries in the region including India, Pakistan, Bangladesh, Nepal, Sri Lanka, Indonesia, the Philippines, Thailand, Malaysia, Singapore, Myanmar/Burma, Vietnam and Cambodia. It analyzes the following key themes in the context of South and Southeast Asia - nationalism, colonialism, regime change, economic development, civil society and social movements, political conflict, and ethno-religious pluralism.

Cross Listing(s): INTS 3132, POLS 3132, POLS 3132S.**INTS 3134 Politics of the Middle East****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****INTS 3136 U.S. as a Global Power****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies the history of U.S. foreign relations from the turn of the twentieth century to the present.

Cross Listing(s): HIST 3136, HIST 3136S.**INTS 3230 Global Issues****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of selected global issues and problems facing all nations, states, and peoples.

Cross Listing(s): INTS 3230S.**Prerequisite(s):** INTS 2130.**INTS 3230S Global Issues****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of selected global issues and problems facing all nations, states, and peoples.

Cross Listing(s): INTS 3230S.**Prerequisite(s):** INTS 2130.**INTS 3232 Psychology of Gender****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines biological and environmental determinants of gender, as well as, the role of gender in cognitive functioning, personality, physical and mental health, interpersonal relationships, and work life.

Cross Listing(s): PSYC 3232.**INTS 3234 Introduction to the European Union****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will introduce students to the history, institutions, policies, and cultures of the European Union and its member states.

Cross Listing(s): EURO 3234, INTS 3234S, POLS 3234, POLS 3234S.

INTS 3234S Introduction to the European Union**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will introduce students to the history, institutions, policies, and cultures of the European Union and its member states.

Cross Listing(s): EURO 3234, INTS 3234, POLS 3234, POLS 3234S.**INTS 3236 International Relations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the basic concepts of international relations, including those of war and peace, power, foreign policy, international organization, markets, demography, ecology, and the impact of information technology. Students will be provided with the necessary concepts, theories, and methods used in the discipline including quantitative analysis in order to gain a better understanding of the nature and problems of international relations.

Cross Listing(s): INTS 3236S, POLS 3236, POLS 3236S.**INTS 3236S International Relations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the basic concepts of international relations, including those of war and peace, power, foreign policy, international organization, markets, demography, ecology, and the impact of information technology. Students will be provided with the necessary concepts, theories, and methods used in the discipline including quantitative analysis in order to gain a better understanding of the nature and problems of international relations.

Cross Listing(s): INTS 3236, POLS 3236, POLS 3236S.**INTS 3239 Human Rights in International Relations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will explore the vulnerability of various political minorities to human rights abuses at the global level and provide an assessment of the roles of states, international organizations, and non-governmental organizations in human rights issues.

Prerequisite(s): POLS 1101, POLS 2101.**Cross Listing(s):** INTS 3239S, POLS 3239.**INTS 3239S Human Rights in International Relations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will explore the vulnerability of various political minorities to human rights abuses at the global level and provide an assessment of the roles of states, international organizations, and non-governmental organizations in human rights issues.

Prerequisite(s): POLS 1101, POLS 2101.**Cross Listing(s):** INTS 3239, POLS 3239.**INTS 3250 The Muslim World to Tamerlane****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the rise of Islam in the seventh century and of the various Muslim societies that arose prior to the fifteenth century from the Iberian Peninsula to South Asia.

Cross Listing(s): HIST 3250, RELS 3250.**INTS 3251 The Muslim World Since Genghis Khan****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the global reach of the Islam since the thirteenth century. The focus is on how Muslim societies have dealt with the precipitous decline in their well-being since the pinnacle of influence in the seventeenth century.

Cross Listing(s): HIST 3251, RELS 3251.**INTS 3333 International Public Relations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces the performance of public relations in international contexts. Consideration will be given to the political, economic, social, and historical contexts affecting public relations practices. Special emphasis will be placed on the interaction between government and public relations.

Prerequisite(s): PRCA 2330.**Cross Listing(s):** PRCA 3333.**INTS 3338 Contemporary Europe****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the European experience since the end of World War II. Emphasizes the political, economic, social, cultural, and intellectual change and continuity in the years 1945 to the present.

Cross Listing(s): INTS 3338S.**INTS 3338S Contemporary Europe****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the European experience since the end of World War II. Emphasizes the political, economic, social, cultural, and intellectual change and continuity in the years 1945 to the present.

Cross Listing(s): INTS 3338.**INTS 3430 International Security Affairs****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides an examination of an array of international security concepts and dynamics including features and aspects of both state and individual security. The course addresses applicable actors, institutions, processes, theories and prominent international issues. Upon completion of the course, students will be able to identify and discuss an assortment of issues pertinent to state and individual security threats and policies.

INTS 3431 Identity and Nationalism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the theories behind nationalism and its influence on identity construction. Consideration will be given to the political, social, cultural, and historical contexts affecting the existence of the nation, and its role within the contemporary globalized world. The course also places an emphasis on the special relationship between the nation and the state.

INTS 3530 History of Africa to 1800**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Traces the development of significant social, economic and political institutions with precolonial Africa.

Cross Listing(s): AAST 3530, HIST 3530.**INTS 3531 History of Africa since 1800****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Traces significant developments in precolonial, colonial and post colonial African history. These include trade and the origins of the colonial state as well as African encounters with colonialism.

Cross Listing(s): HIST 3531, AAST 3531.**INTS 3532 The Modern Middle East****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the major developments in the Middle East since World War I.

Cross Listing(s): HIST 3532.**INTS 3534 Modern Southeast Asia****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Common themes of the region from 1600, including the impact of the West, the nationalist response, and the post-WW II rise of a modern community of nations.

Cross Listing(s): HIST 3534.**INTS 3537 Colonial Latin America****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A political, social, and economic survey of Latin America from its pre-Columbia era to its struggles for independence.

Cross Listing(s): HIST 3537, LAST 3537.**INTS 3538 Modern Latin America****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A political, social, and economic survey of Latin America from independence to the present.

Cross Listing(s): HIST 3538, LAST 3538, LAST 3538S.**INTS 3538S Modern Latin America****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A political, social, and economic survey of Latin America from independence to the present.

Cross Listing(s): INTS 3538, HIST 3538, LAST 3538, LAST 3538S.

INTS 3730 Introduction to United Nations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The preamble to the Charter of the United Nations identifies several ambitious goals, which framed the establishment of this international organization, including a desire "to save succeeding generations from the scourge of war" and to promote fundamental human rights, social progress, and economic development. In this course, students will be introduced to the concepts of international organizations and the part that they play today in international politics. Specifically, we will examine the United Nations, its structure and function, its failures and successes, and what the future holds for this organization.

Cross Listing(s): POLS 3730.

INTS 4090 Sel Topics Intl Studies

1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Selected Topics in International Studies.

Cross Listing(s): EURO 4090.

INTS 4090S Sel Topics Intl Studies

1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Selected Topics in International Studies.

Cross Listing(s): EURO 4090.

INTS 4111H Honors Thesis Seminar III

1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

In a seminar setting, students will continue writing and revising their thesis.

Prerequisite(s): INTS 3112H.

INTS 4112H Honors Thesis Seminar IV

1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

In a seminar setting, students will continue revising their thesis, with the goal of presenting their research at a professional conference.

Prerequisite(s): INTS 4111H.

INTS 4132 U.S. Foreign Policy

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides basic information and understanding of the key elements and actions involved in the formulation and execution of U.S. foreign policy. Special attention is given to the impact of U.S. foreign policy on the international system.

Cross Listing(s): POLS 4132.

INTS 4133 U.S. Diplomacy: The Cold War

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Examines the history of U.S. foreign relations from the aftermath of World War II to the collapse of the Soviet Union.

Cross Listing(s): HIST 4133.

INTS 4135 International Organizations

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An analytical study of the organization, powers, and problems of global and regional international agencies with particular emphasis upon the European Union.

Prerequisite(s): POLS 2101, CRJU 1100.

Cross Listing(s): INTS 4135S, POLS 4135.

INTS 4135S International Organizations

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An analytical study of the organization, powers, and problems of global and regional international agencies with particular emphasis upon the European Union.

Prerequisite(s): POLS 2101, CRJU 1100.

Cross Listing(s): INTS 4135, POLS 4135.

INTS 4136 Comparative Politics of Industrialized Nations

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course focuses on examination of the cultural, social, and political factors that contribute to the structure, function, and problems of contemporary nation-states in the Global North.

Cross Listing(s): INTS 4136S and POLS 4136 and POLS 4136S.

INTS 4136S Comparative Politics of Industrialized Nations

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course focuses on examination of the cultural, social, and political factors that contribute to the structure, function, and problems of contemporary nation-states in the Global North.

Cross Listing(s): INTS 4136 and POLS 4136 and POLS 4136S.

INTS 4137 Politics of the Global South

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

In this course, students examine the cultural, social, historical and political factors which have shaped the politics and policies of nation-states in the "Global South." Special emphasis will be given to states that are found in Latin America, Africa, and Asia.

Prerequisite(s): POLS 2101, CRJU 1100.

Cross Listing(s): POLS 4137.

INTS 4138 International Terrorism

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Designed to explore the political, religious, economic, and social issues which pervade the global environment. Key issues to be addressed include different forms of terrorism, conflict resolution, and at the state level reunification issues. Emphasizes the critical, and perhaps, decisive and controlling impact which terrorist groups level on policy changes.

Cross Listing(s): POLS 4138, INTS 4138S.

INTS 4138S International Terrorism

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Designed to explore the political, religious, economic, and social issues which pervade the global environment. Key issues to be addressed include different forms of terrorism, conflict resolution, and at the state level reunification issues. Emphasizes the critical, and perhaps, decisive and controlling impact which terrorist groups level on policy changes.

Cross Listing(s): POLS 4138, INTS 4138.

INTS 4238 International Conflict

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Examines the causes of international and civil war, including theories about alliances, power, bargaining, arms races, conventional and nuclear deterrence, nuclear weapon proliferation, and ethnicity.

INTS 4330 Rhetoric of International Relations

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Examines the discourse of international relations from a rhetorical perspective. Emphasizes the analysis and criticism of persuasive messages used in international relations from Aristotlean, Neo-Aristotlean, dramatic and narrative rhetorical theoretical bases.

Cross Listing(s): INTS 4330.

INTS 4630 Seminar in International Studies

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Advanced course focusing on major themes and issues in international relations.

Prerequisite(s): INTS 3130, INTS 3230.

INTS 4730 Model United Nations

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Prepares students for Georgia Southern's participation in the National Model United Nations Conference in New York City in the spring of each year. Students learn the structure, function and organization of the United Nations as well as in-depth knowledge of the particular country that they will be representing in New York. Emphasis is place on learning parliamentary procedure and diplomatic skills as part of the research conducted for becoming an advocate of the country being represented.

Prerequisite(s): INTS 3730, POLS 3730.

Cross Listing(s): POLS 4730.

INTS 4731 Model United Nations II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is designed for students in the second year of their participation on Georgia Southern University's National Model United Nations (NMUN) delegation. In addition to studying a different country and region of the world which requires students to learn the history, culture, and foreign policies of their assigned country, NMUN students also research and write on topics in different United Nations committees. Second-year delegates also take on added responsibility to plan, coordinate, and execute three Georgia Southern-sponsored Model United Nations conferences. Emphasis is placed on learning the intricacies and nuances of parliamentary procedure as it applies to both the Middle School and High School conferences conducted by Georgia Southern University.

Prerequisite(s): POLS 4730, INTS 4730.**Cross Listing(s):** POLS 4731.**INTS 4790 Internships Abroad****3-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides practical experience abroad. Students are selected by departmental process.

Cross Listing(s): INTS 4790S.**INTS 4790S Internships Abroad****3-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides practical experience abroad. Students are selected by departmental process.

Cross Listing(s): INTS 4790.**INTS 4890 Directed Independent Study****1-12 Credit Hours. 1-12 Lecture Hours. 0 Lab Hours.**

Concentrated study of a topic or theme of an international nature and scope.

Prerequisite(s): Permission of instructor.**Cross Listing(s):** INTS 4890S.**INTS 4890S Directed Independent Study****1-12 Credit Hours. 1-12 Lecture Hours. 0 Lab Hours.**

Concentrated study of a topic or theme of an international nature and scope.

Prerequisite(s): Permission of instructor.**Cross Listing(s):** INTS 4890.**INTS 5195 International Studies Abroad****1-18 Credit Hours. 1-18 Lecture Hours. 0 Lab Hours.**

This course is designed to facilitate student participation in approved exchange semester abroad programs offered through Georgia Southern University. Registration in this course combined with a completed Course of Study Approval Form provides permission to submit official credit awarded by an approved host institution abroad as transfer credit to Georgia Southern University.

Cross Listing(s): INTS 5195S.**INTS 5195S International Studies Abroad****1-18 Credit Hours. 1-18 Lecture Hours. 0 Lab Hours.**

This course is designed to facilitate student participation in approved exchange semester abroad programs offered through Georgia Southern University. Registration in this course combined with a completed Course of Study Approval Form provides permission to submit official credit awarded by an approved host institution abroad as transfer credit to Georgia Southern University.

Prerequisite(s): Permission of Center for International Studies.**Cross Listing(s):** INTS 5195.**INTS 5531 Modern Japan****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Japan through the Tokugawa period to its nineteenth century emergence from isolation and its growth as a world power with emphasis on traditional culture, industrialization, and post-WW II society. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): INTS 5531G, INTS 5531S, HIST 5531, HIST 5531G, HIST 5531S.**INTS 5531S Modern Japan****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Japan through the Tokugawa period to its nineteenth century emergence from isolation and its growth as a world power with emphasis on traditional culture, industrialization, and post-WW II society. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): HIST 5531, HIST 5531G, HIST 5531S, INTS 5531, HIST 5531G.**INTS 5532 Modern China****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Cultural change and continuities of China from 1600 to its response to the West, the rise of the Peoples' Republic, and the Post-Mao present.

Cross Listing(s): INTS 5532G, HIST 5532, HIST 5532G.**INTS 5533 Economic Rivals: U.S.-EC-Japan****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Contrasts the historical development of business in the U.S., European Community, and Japan from preindustrial times to the present, emphasizing how culture, economics, and politics have shaped business growth and international trade, creating rival capitalists. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): INTS 5533G, HIST 5533, HIST 5533G.**INTS 5633 Seminar in International Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to familiarize students with the theories which guide the conduct and analysis of international relations. These theories are examined in both their classical and contemporary context and used to evaluate and assess international relations phenomena. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): INTS 5633G, POLS 5633, POLS 5633G.**INTS 5633S Seminar in International Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to familiarize students with the theories which guide the conduct and analysis of international relations. These theories are examined in both their classical and contemporary context and used to evaluate and assess international relations phenomena. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): INTS 5633, POLS 5633.**INTS 5634 Seminar in Comparative Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides a systematic review of the empirical and theoretical literature concerning the structure, function, and problems of contemporary governments in industrializing and industrialized countries. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): POLS 1101, POLS 1101H, POLS 2101.**Cross Listing(s):** POLS 5634.

INTS 5635 Seminar in International Organizations**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An analytical study of the organization, powers, and problems of global and regional international agencies with particular emphasis upon the European Union. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): POLS 1101, POLS 1101H, POLS 2101.**Cross Listing(s):** INTS 5635G, POLS 5635, POLS 5635G.

IRSH Irish Studies

IRSH 1001 Gaelic Irish I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A basic intensive course in the Irish language for beginners with no previous knowledge of the language. Designed to provide an introduction to the sound system of the modern standard language and its orthography as well as to familiarize students with the essentials of grammar, basic idioms, and elementary vocabulary necessary for everyday conversation.

IRSH 1001S Gaelic Irish I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A basic intensive course in the Irish language for beginners with no previous knowledge of the language. Designed to provide an introduction to the sound system of the modern standard language and its orthography as well as to familiarize students with the essentials of grammar, basic idioms, and elementary vocabulary necessary for everyday conversation.

IRSH 2001 Gaelic Irish II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An intermediate, intensive course in the Irish language for students who have completed basic Irish language instruction. Designed to provide participants with a sound knowledge of all the main aspects of the grammar of standard Irish, increase their ability to employ the many idioms of the language and develop an acceptable standard of reading.

IRSH 2001S Gaelic Irish II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An intermediate, intensive course in the Irish language for students who have completed basic Irish language instruction. Designed to provide participants with a sound knowledge of all the main aspects of the grammar of standard Irish, increase their ability to employ the many idioms of the language and develop an acceptable standard of reading.

IRSH 2130 Introduction to Irish Culture**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course explores the richness and diversity of the culture of Ireland, where Gaelic, Scots-Irish, and other venerable traditions exist within a globalized modern society and high-tech knowledge economy. Students gain understanding of Ireland's storytelling, theater, art, dance, and song patrimonies; its musical styles, instruments, and performance customs; its indigenous folklore and folkways; its native and colonial-era sports; and its archeology and built environment. They also examine the country's regional, linguistic, religious, and political variety, as well as the tensions and synergies that result from centuries of mixed culture. The course assesses the cultural impact upon Ireland of the vast, worldwide Irish diaspora, and it concludes with informed speculation about the status that traditional Irish cultural forms and practices will have, both at home and abroad, over coming decades.

IRSH 3090 Selected Topics in Irish Studies**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to provide intensive study of an area related to the geography, history, literature, culture and/or civilization of Ireland and the Irish people including those of Irish descent in the United States.

Cross Listing(s): IRSH 3090S.**IRSH 3090S Selected Topics in Irish Studies****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to provide intensive study of an area related to the geography, history, literature, culture and /or civilization of Ireland and the Irish people including those of Irish descent in the United States.

Cross Listing(s): IRSH 3090.**IRSH 3330S Contemporary Irish Culture****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to expand awareness of the rich Irish traditions in music, dance, archeology, theatre, and sport. The course will center on active participation in workshops focusing on traditional Irish singing, set dancing, bodhran(Irish skin drum)playing, weaving, local archeology, hill walking, contemporary poetry and traditional folklore. Field trips to Irish cultural sites will further enhance knowledge gained in the workshop.

IRSH 3333 Irish Theatre**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies the theatre of Ireland from the Abbey Theatre through the present. Covers Irish theatre movement and plays by significant playwrights from W.B. Yeats to Brian Friel.

Cross Listing(s): THEA 3333, THEA 3333S.**IRSH 3430 Ireland in Film****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course will consist of a study of films depicting Ireland and the way it represents Irish history, culture and conflict.

IRSH 3432 Celtic Identity and Conflict**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines contemporary issues raised by the conflict in Northern Ireland by studying conflicts in the broader historical context of the experience of the Celtic people in Ireland, Scotland, and Wales who sought to preserve their political and cultural identities in the British Isles.

Cross Listing(s): POLS 3432.

ISCI Science, Teaching and Learning

ISCI 2001 Life/Earth Science**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an integrated science course covering major concepts in the areas of life and earth science. The course will emphasize the nature and skills of science as well as the understanding of major science concepts and principles in these fields. The use of an inquiry based approach throughout the course will enhance the application of these concepts to the teaching of elementary and middle grades students.

Prerequisite(s): A minimum grade of "C" in ASTR 1010 and ASTR 1211, or ASTR 1020 and ASTR 1211, or BIOL 1130 and BIOL 1110, or CHEM 1145, or CHEM 1151, or GEOL 1121, or PHYS 1111 and PHYS 1113, or PHYS 2211 and PHYS 1113.**ISCI 2002 Physical Science****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an integrated science course covering major concepts in the areas of physical science. The course will emphasize the nature and skills of science as well as the understanding of major science concepts and principles in this field. The use of an inquiry based approach throughout the course will enhance the application of these concepts to the teaching of elementary and middle grades students.

Prerequisite(s): A minimum grade of "C" in ASTR 1010 and ASTR 1211, or ASTR 1020 and ASTR 1211, or BIOL 1130 and BIOL 1110, or CHEM 1145, or CHEM 1151, or GEOL 1121, or PHYS 1111 and PHYS 1113, or PHYS 2211 and PHYS 1113.

IT Information Technology

IT 1130 Introduction to Information Technology **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to IT as an academic discipline and the structure of the BS IT degree at Georgia Southern. It also provides students with an introduction to the range of applications of Information Technology, partly through an introduction to the second disciplines available to them. Finally, it introduces students to some of the techniques that they will need for later courses, in particular databases and SQL.

Prerequisite(s): Familiarity with productivity tools.

IT 1230 Introduction to Web Technologies **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course gives non-IT majors a thorough introduction to technologies used in the creation of websites. It focuses on the basic web concepts and introduces the tools and methods for sound web design. Throughout it stresses the best practices of design and development. The course also introduces students to the principles of good human computer-interface design, including design for people with disabilities.

IT 1430 Web Page Development **0,3 Credit Hours. 0,2 Lecture Hours. 0,1 Lab Hours.**

A thorough introduction to the languages used to create web pages. Throughout it stresses the importance of good coding style. The course also introduces students to the principles of good human computer interface design, including design for people with disabilities. Finally, the course introduces students to object-oriented design.

Prerequisite(s): Familiarity with productivity tools.

IT 2333 IT Infrastructure **3 Credit Hours. 2 Lecture Hours. 1 Lab Hour.**

This course allows students to develop a thorough understanding of the IT infrastructure which includes computer hardware and networks that support various IT applications, and network security. This course allows students to develop this knowledge as well as some fundamental skills in server, network system administration and management, and to become aware of the importance of information assurance and security in the design, implementation and administration of an IT Infrastructure.

Prerequisite(s): A minimum grade of "C" in IT 1130 or CISM 2530.

IT 3130 Web Application Design and Development I **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers design, programming, and implementation of web-based applications. Students will learn to create 3-tier (clientserver-database) web applications using sessions, cookies, and databases to store information.

Prerequisite(s): A minimum grade of "C" in IT 1430.

IT 3131 Web Application Design and Development II **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers modern web applications using client-side programming, server-side programming, third party APIs, and database technology.

Prerequisite(s): A minimum grade of "C" in IT 3130 and IT 3233.

IT 3132 Web Software **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of advanced web software tools used in the development and deployment of web-based systems. Course content includes the use of web authoring, animation, and graphical tools.

Prerequisite(s): A minimum grade of "C" in IT 1430 or IT 1230 and Junior Standing.

IT 3233 Database Design and Implementation **3 Credit Hours. 2 Lecture Hours. 1 Lab Hour.**

The course provides students with the opportunity to develop in-depth knowledge of database design, implementation, and systems development. The course covers data modeling concepts, approaches and techniques, and stages in database development processes (conceptual and logical design, implementation and maintenance). The course also covers methods and approaches used in system analysis and design, including the system development life cycle. To reinforce the course concepts, students will carry out projects based on real world situations.

Prerequisite(s): A minimum grade of "C" in IT 2333, MATH 2130, IT 1430.

IT 3234 Systems Acquisition Integration and Implementation **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the system acquisition process, focusing on the use of packaged solutions. COTS (Commercial, Off-the-Shelf), SALC (System Acquisition Life Cycle), ERP (Enterprise Resource Planning), and BPR (Business Process Reengineering) will be covered.

Prerequisite(s): A minimum grade of "C" in IT 3233 and STAT 2231 or BUSA 3131 and MATH 1232 or MATH 1441 and WRIT 2130.

IT 4130 IT Issues and Management **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Covers case studies of IT development projects to assist the student in the recognition of the need of an IT development project. The student will study and critique the development, implementation and management of both successful and unsuccessful projects.

Prerequisite(s): Prior or concurrent enrollment and a minimum grade of "C" in IT 3234.

IT 4131 Information Technology Capstone Project **3 Credit Hours. 2 Lecture Hours. 1 Lab Hour.**

This course provides students with the opportunity to develop in-depth knowledge of IT project design and implementation. The course covers the main topics of IT project management including requirements specification, project integration, scope, time, cost, quality, human resources, communications, and risk management. In addition, techniques and methods used in IT project management will be covered. To reinforce the course concepts, students will complete projects related to their specialization and/or second discipline.

Prerequisite(s): Prior or concurrent enrollment and a minimum grade of "C" in IT 3234 and Senior standing.

IT 4136 Knowledge Discovery and Data Mining **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course covers the process of automatically extracting valid, useful, and previously unknown information from data sources and using the information to make decisions. This course is designed to provide students with a solid understanding of the knowledge discovery process and the use of data mining concepts and tools as part of that process.

Prerequisite(s): A minimum grade of "C" in STAT 2231 or BUSA 3131 and IT 3233.

IT 4234 Datacenter Management **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers datacenter infrastructure and management including technologies such as: virtualization, networking, server consolidation, green IT computing, and network storage configurations. Using virtualized platforms (hypervisors), various server, networking and infrastructure configurations are deployed, analyzed and managed. A number of server operating systems are deployed, administered and managed via remote locations. Best practices for security policies of cloud resources including permissions, privileges and server management are analyzed and performed.

Prerequisite(s): A minimum grade of "C" in CISM 3134 and IT 2333.

IT 4335 Network Architecture**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers the hardware required for interconnecting digital devices for the purpose of enabling data communication through a network. Bus architectures, ports, network cards, cabling, routers, switches. Ensuring network reliability. Optimizing network performance.

Prerequisite(s): A minimum grade of "C" in CISM 3134 and IT 2333.**Cross Listing(s):** IT 4335S.**IT 4335S Network Architecture****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers the hardware required for interconnecting digital devices for the purpose of enabling data communication through a network. Bus architectures, ports, network cards, cabling, routers, switches. Ensuring network reliability. Optimizing network performance.

Prerequisite(s): A minimum grade of "C" in CISM 3134 and IT 2333.**Cross Listing(s):** IT 4335.**IT 4790 Internship in Information Technology****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A campus-approved and coordinated IT-experience-based internship will be required of each student. The internship will include at least 280 hours of work. A written report by the student, along with an employer evaluation of the student's work will be required.

Prerequisite(s): A minimum grade of "C" in CSCI 1236 or CSCI 1236H and Permission of Chair.**IT 4830 Special Problems in Information Technology****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A customized course that is under the direction of a faculty sponsor. Special Problems is designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with the faculty sponsor.

Prerequisite(s): Permission of Department Chair.**IT 4890 Directed Study in Information Technology****1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Designed for independent study and research in selected areas of Information Technology under faculty supervision.

Prerequisite(s): Permission of Department Chair or Director.**Cross Listing(s):** IT 4890H.**IT 4890H Directed Study Info Tech-Honor****1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Designed for independent study and research in selected areas of Information Technology under faculty supervision.

Prerequisite(s): Permission of Department Chair or Director.**Cross Listing(s):** IT 4890.**IT 5090 Selected Topics in Information Technology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides an opportunity for in-depth study of selected topics or emerging areas in information technology. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): Permission of Instructor.**IT 5135 Data Analytics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers the basic issues involved in building and populating a data mart to support the planning, designing and building of business intelligence applications and data analytics. Core concepts related to business intelligence and analytics are covered. For graduate students a significant research project will be assigned as a culminating experience.

Prerequisite(s): A minimum grade of "C" in IT 3233 or CISM 4134 or CSCI 3432 and STAT 2231 or BUSA 3131.**Cross Listing(s):** IT 5135G.**IT 5235 Advanced Web Interfaces****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides an introduction and application of human-computer interaction theories to web-based applications. It covers the evaluation of user interfaces using various techniques including heuristic evaluation and user testing. For graduate students a significant research project will be assigned as a culminating experience.

Prerequisite(s): A minimum grade of "C" in IT 3130 and IT 3132.**Cross Listing(s):** IT 5235G, IT 5235H.**IT 5235H Advanced Web Interfaces****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides an introduction and application of human-computer interaction theories to web-based applications. It covers the evaluation of user interfaces using various techniques including heuristic evaluation and user testing. For graduate students a significant research project will be assigned as a culminating experience.

Prerequisite(s): A minimum grade of "C" in IT 3130 and IT 3132.**Cross Listing(s):** IT 5235, IT 5235G.**IT 5236 Mobile Web Infrastructure****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course explores the infrastructure which forms the basis of commercial, web-enabled applications on mobile and small devices, as well as personal computers. The course will focus on designing mobile web applications that provide a high level of security, reliability, scalability, and availability. Through this course, students will develop proficiencies in current web technologies employed by businesses. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in IT 3131.**Cross Listing(s):** IT 5236G.**IT 5433 Information Storage and Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers modern storage infrastructure technology and management including: challenges and solutions for data storage and data management, intelligent storage systems, storage networking, backup recovery, and archive, business continuity and disaster recovery, security and virtualization, and managing and monitoring the storage infrastructure. Best practices for security policies of cloud resources including permissions, privileges and storage management are analyzed and performed. For graduate students a significant research project will be assigned as a culminating experience.

Prerequisite(s): A minimum grade of "C" in CISM 3134 and IT 2333.**Cross Listing(s):** IT 5433G.**IT 5434 Network Security Fundamentals****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is intended to serve the needs of individuals interested in understanding the field of network security and how it relates to other areas of information technology. The course will take a broad look at network security and provide the knowledge necessary to prepare students for further study in specialized security fields or used as a capstone course to those interested in acquiring a general knowledge of the field.

Prerequisite(s): A minimum grade of "C" in IT 2333 and CISM 3134.

ITEC Instructional Technology Education

ITEC 3130 Instructional Technology for Early Childhood Education 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an introduction to the effective uses of instructional technology for Early Childhood Education majors. A systematic approach to selecting, producing, and utilizing various instructional technologies will be covered with an emphasis on the instructional uses of the computer. The course will correlate with the Early Childhood Education pre-service experience.

ITEC 3230 Instructional Technology for Special Education 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an introduction to the effective uses of instructional technology for Special Education majors. A systematic approach to selecting, producing, and utilizing various instructional technologies will be covered with an emphasis on the instructional uses of the computer. The course will correlate with the Special Education pre-service experience.

ITEC 3430 Instructional Technology for P-12 Teaching Fields 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed for students enrolled in one of the P-12 teaching fields. It is an introduction to the effective uses of technology in an instructional setting. A systematic approach to selecting, producing, and utilizing various instructional technologies will be covered with an emphasis on the instructional uses of the computer. The course will correlate with the pre-service experience for students enrolled in one of the P-12 teaching fields.

ITEC 3530 Instructional Technology for Middle Grades Education 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an introduction to the effective uses of instructional technology for Middle Grades Education majors. A systematic approach to selecting, producing, and utilizing various instructional technologies will be covered with an emphasis on the instructional uses of the computer. The course will correlate with the Middle Grades Education pre-service experience.

JAPN Japanese

JAPN 1001 Elementary Japanese I 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduction to listening, speaking, reading, and writing in Japanese and to the culture of Japanese-speaking regions.

Cross Listing(s): JAPN 1001S.

JAPN 1001S Elementary Japanese I 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduction to listening, speaking, reading, and writing in Japanese and to the culture of Japanese-speaking regions.

Cross Listing(s): JAPN 1001.

JAPN 1002 Elementary Japanese II 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Continued listening, speaking, reading, and writing in Japanese with further study of culture of Japanese-speaking regions.

Cross Listing(s): JAPN 1002S.

JAPN 1002S Elementary Japanese II 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Continued listening, speaking, reading, and writing in Japanese with further study of culture of Japanese-speaking regions.

Cross Listing(s): JAPN 1002.

JAPN 1060 Accelerated Elementary Japanese 6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.

An accelerated introduction to listening, speaking, reading, and writing in Japanese and to the culture of Japanese-speaking regions. Completes the elementary levels of Japanese in one semester.

Cross Listing(s): JAPN 1060S.

JAPN 1060S Accelerated Elementary Japanese 6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.

An accelerated introduction to listening, speaking, reading, and writing in Japanese and to the culture of Japanese-speaking regions. Completes the elementary levels of Japanese in one semester.

Cross Listing(s): JAPN 1060.

JAPN 2001 Intermediate Japanese I 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Building upon communication skills (understanding, speaking, reading, and writing Japanese) and cultural understanding, developed at the elementary level.

Prerequisite(s): A minimum grade of "C" in JAPN 1002.

Cross Listing(s): JAPN 2001S.

JAPN 2001S Intermediate Japanese I 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Building upon communication skills (understanding, speaking, reading, and writing Japanese) and cultural understanding, developed at the elementary level.

Prerequisite(s): A minimum grade of "C" in JAPN 1002.

Cross Listing(s): JAPN 2001.

JAPN 2002 Intermediate Japanese II 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Continued focus on communication skills and cultural understanding.

Prerequisite(s): A minimum grade of "C" in JAPN 2001.

Cross Listing(s): JAPN 2002S.

JAPN 2002S Intermediate Japanese II 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Continued focus on communication skills and cultural understanding.

Prerequisite(s): A minimum grade of "C" in JAPN 2001.

Cross Listing(s): JAPN 2002.

JAPN 2060 Accelerated Intermediate Japanese 6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.

Accelerated intermediate Japanese with continued work on listening, speaking, reading, and writing in Japanese and the culture of Japanese-speaking regions. Completes the intermediate levels of Japanese in one semester.

Prerequisite(s): A minimum grade of "C" in JAPN 1002 or JAPN 1060.

Cross Listing(s): JAPN 2060S.

JAPN 2060S Accelerated Intermediate Japanese 6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.

Accelerated intermediate Japanese with continued work on listening, speaking, reading, and writing in Japanese and the culture of Japanese-speaking regions. Completes the intermediate levels of Japanese in one semester.

Prerequisite(s): A minimum grade of "C" in JAPN 1002 or JAPN 1060.

Cross Listing(s): JAPN 2060.

JAPN 3090 Selected Topics in Japanese 1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Study of a topic in Japanese literature, culture, society, thought, or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.

Cross Listing(s): JAPN 3090S.

JAPN 3090S Selected Topics in Japanese**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Study of a topic in Japanese literature, culture, society, thought, or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.**Cross Listing(s):** JAPN 3090.**JAPN 3110 Conversation Table****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

This course consists primarily of guided conversation in Japanese, based on current issues as reflected in contemporary journals and newspapers.

Cross Listing(s): JAPN 3110S.**JAPN 3110S Conversation Table****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

This course consists primarily of guided conversation in Japanese, based on current issues as reflected in contemporary journals and newspapers. The emphasis is on conversational, rather than specialized vocabulary.

Cross Listing(s): JAPN 3110.**JAPN 3130 Japanese Conversation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five competencies: listening speaking, reading, writing, and culture, with special emphasis on conversational skill.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.**Cross Listing(s):** JAPN 3130S.**JAPN 3130S Japanese Conversation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five competencies: listening speaking, reading, writing, and culture, with special emphasis on conversational skill.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.**Cross Listing(s):** JAPN 3130.**JAPN 3131 Reading Japanese****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the Japanese language with an emphasis on reading skills. Continued development of all five skills: listening, speaking, reading, writing, and culture.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.**Cross Listing(s):** JAPN 3131S.**JAPN 3131S Reading Japanese****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the Japanese language with an emphasis on reading skills. Continued development of all five skills: listening, speaking, reading, writing, and culture.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.**Cross Listing(s):** JAPN 3131.**JAPN 3185S Studies Abroad: Speaking I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is a course in oral communications in Japanese using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.**JAPN 3230 Modern Japanese Literature in Translation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of major authors and movements in Japanese literature from the Meiji period to the present, including women in literature and the relations to cultural trends and other arts, such as painting and film.

Cross Listing(s): JAPN 3230S.**JAPN 3230S Modern Japanese Literature in Translation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of major authors and movements in Japanese literature from the Meiji period to the present, including women in literature and the relations to cultural trends and other arts, such as painting and film.

Cross Listing(s): JAPN 3230.**JAPN 3330 Japanese Cultural Patterns****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Development of the Japanese language with a special emphasis on its culture. Development of all five language skills: listening, speaking, reading, writing, and culture.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.**Cross Listing(s):** JAPN 3330H and JAPN 3330S.**JAPN 3330H Japanese Cultural Patterns****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Development of the Japanese language with a special emphasis on its culture. Development of all five language skills: listening, speaking, reading, writing, and culture.

Prerequisite(s): A minimum grade of "C" JAPN 2002 or JAPN 2060.**Cross Listing(s):** JAPN 3330 and JAPN 3330S.**JAPN 3330S Japanese Cultural Patterns****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Development of the Japanese language with a special emphasis on its culture. Development of all five language skills: listening, speaking, reading, writing, and culture.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.**Cross Listing(s):** JAPN 3330 and JAPN 3330H.**JAPN 3331 Japanese Culture for Americans****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the Japanese culture, values, society, customs, and the language for American students.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** JAPN 3331H and JAPN 3331S.**JAPN 3331H Japanese Culture for Americans****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the Japanese culture, values, society, customs, and the language for American students.

Cross Listing(s): JAPN 3331 and JAPN 3331S.**JAPN 3331S Japanese Culture for Americans****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the Japanese culture, values, society, customs, and the language for American students.

Cross Listing(s): JAPN 3331 and JAPN 3331H.**JAPN 3385S Studies Abroad: Writing I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is a course in written communications in Japanese using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.**JAPN 3530 Business Japanese****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the language and practice of business conventions in Japan. Development of all five language skills: listening, speaking, reading, writing, and culture.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.**Cross Listing(s):** JAPN 3530S.**JAPN 3530S Business Japanese****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the language and practice of business conventions in Japan. Development of all five language skills: listening, speaking, reading, writing, and culture.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.**Cross Listing(s):** JAPN 3530.**JAPN 3531 Modern Japanese Literature****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****Prerequisite(s):** A minimum grade of "C" in JAPN 2002 or JAPN 2060.

JAPN 4185S Studies Abroad: Speaking II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is a course in oral communications in Japanese using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.

JAPN 4385S Studies Abroad: Writing II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is a course in written communications in Japanese using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.

Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.

JAPN 4790 Internship in Japan
1-15 Credit Hours. 1-15 Lecture Hours. 0 Lab Hours.

Internship in Japan.

Prerequisite(s): Departmental approval.

Cross Listing(s): JAPN 4790S.

JAPN 4790S Internship in Japan
1-15 Credit Hours. 1-15 Lecture Hours. 0 Lab Hours.

Internship in Japan.

Prerequisite(s): Departmental Approval.

Cross Listing(s): JAPN 4790.

JAPN 4890 Directed Study
3-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Directed study in Japanese.

Cross Listing(s): JAPN 4890S.

JAPN 4890S Directed Study
3-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Directed study in Japanese.

Cross Listing(s): JAPN 4890.

KINS Kinesiology

KINS 1090 Selected Topics in Physical Activity
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

Provides an introduction to alternative physical activity courses.

KINS 1090S Selected Topics in Physical Activity
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

Provides an introduction to alternative physical activity courses.

KINS 1110 Aerobics
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce basic aerobic skills and knowledge.

KINS 1111 Aerobic Cross Training
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to challenge the experienced student's basic aerobic exercise techniques and knowledge. Intermediate skills and knowledge will be introduced. It is recommended that students be able to participate in a minimum of 20 minutes of continuous aerobic activity prior to enrolling in the course.

KINS 1112 Badminton
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce basic badminton skills and knowledge.

Cross Listing(s): KINS 1112S.

KINS 1112S Badminton
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce basic badminton skills and knowledge.

Cross Listing(s): KINS 1112.

KINS 1113 Basketball
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce the basic basketball skills and knowledge.

KINS 1114 Body Conditioning
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce the student to the proper techniques and safety concerns in body conditioning.

KINS 1115 Bowling
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce the basic bowling skills and knowledge. An additional fee is required.

KINS 1116 Canoeing
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

This course is designed to introduce the safe and skilled use of a canoe and canoe camping.

KINS 1117 Dance: Ballet
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce beginning ballet techniques. Basic barwork and various combinations will be included.

KINS 1118 Dance: Clogging
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce basic clogging steps and dance routines.

KINS 1119 Dance: Country Western
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce popular country-western couple dances such as the Texas Two-Step, Sway, etc. Basic dance steps such as the waltz, two-step, and cha-cha will be included.

KINS 1121 Mountaineering
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**KINS 1210 Dance: Folk**
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce folk dances from a variety of nationalities/countries of the world.

KINS 1211 Dance: Line
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce a variety of popular line dances which are performed without a partner. The dances are primarily country-western in nature and involve basic steps.

KINS 1212 Dance: Modern
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce the elements of dance, proper warm up techniques, basic modern dance movement and creative application of dance principles.

Cross Listing(s): KINS 1212S.

KINS 1212S Dance: Modern
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce the elements of dance, proper warm up techniques, basic modern dance movement and creative application of dance principles.

Cross Listing(s): KINS 1212.

KINS 1213 Dance: Social
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce the basic steps and variations for eight selected ballroom dances.

Cross Listing(s): KINS 1213S.

KINS 1213S Dance: Social
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to introduce the basic steps and variations for eight selected ballroom dances.

Cross Listing(s): KINS 1213.

KINS 1214 Dance: Square
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

A course designed to include basic square dance movements and beginning square dance routines.

KINS 1215 Dance: Tap**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce the eight elements of dance, proper warm-up techniques, basic tap steps, and an application of skills learned.

KINS 1216 Equestrian**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

This course is open to any student at Georgia Southern University. There are no prerequisites for this course; however we do observe CHA national standards for horse and rider safety. Based upon these guidelines, a weight limit for riders of up to approximately 250 pounds will be observed.

KINS 1217 Fencing**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce the basic fundamentals and skills of foil fencing.

KINS 1218 Fitness Walking**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce students to walking as a fitness activity while implementing a walking program.

KINS 1219 Football: Flag**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce flag football skills, rules, and strategies.

KINS 1310 Golf**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce golf skills, fundamentals and knowledge. An additional fee is required.

KINS 1310S Golf**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce golf skills, fundamentals and knowledge. An additional fee is required.

KINS 1311 Jogging**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce the basic fundamentals of jogging and cardiovascular training.

KINS 1312 Outdoor Education Activities**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce knowledge and skills that will enhance participation in outdoor activities.

KINS 1313 PA for People with Disabilities I**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed for the student with a disabling condition who cannot satisfy the physical activity requirement provided through the other activity course listings. This course provides individualized programs with a variety of training modalities modified for the individual student. An introduction to a variety of physical activity concepts, skills, and techniques (Level I) will also be presented.

KINS 1314 PA for People with Disabilities II**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed for the student with a disabling condition who cannot satisfy the physical activity requirement provided through the other activity course listings. This course provides an individualized program with a variety of training modalities modified for the individual student. A variety of physical activity concepts, skills, techniques (Level II) will also be presented.

KINS 1315 PA for People with Disabilities III**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed for the student with a disabling condition who cannot satisfy the physical activity requirement provided through the other activity course listings. This course provides an individualized program with a variety of training modalities modified for the individual student. A variety of physical activity concepts, skills, and techniques (Level III) will also be presented.

KINS 1316 PA for People with Disabilities IV**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed for the student with a disabling condition who cannot satisfy the physical activity requirement provided through the other activity course listings. This course provides an individualized program with a variety of training modalities modified for the individual student. A variety of physical concepts, skills, and techniques (Level IV) will also be presented.

KINS 1317 Racquetball**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce the basic racquetball skills and knowledge.

KINS 1318 Scuba**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce the fundamental skills and knowledge necessary for entry level certification and to meet the standards set forth by the Recreational Scuba Training Council (RSTC). An additional fee is required.

KINS 1319 Self Defense**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce basic self-defense techniques and principles.

Cross Listing(s): KINS 1319S.

KINS 1319S Self Defense**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce basic self-defense techniques and principles.

Cross Listing(s): KINS 1319.

KINS 1410 Soccer**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce basic soccer skills and knowledge.

KINS 1411 Softball**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce basic softball skills and knowledge.

KINS 1412 Swimming**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce basic skills and knowledge for swimming effectively and safely.

KINS 1413 Swimming: Aquatic Aerobics**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce students of various ages and fitness levels to participate in a vigorous, aerobic activity while reducing the change of injury. Activities which promote cardiovascular endurance, muscular strength and endurance, and flexibility are emphasized and modified to be done in an aquatic setting.

KINS 1414 Swimming: Fitness**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce the student to the type and quality of exercise needed to maintain a high degree of fitness through a vigorous exercise program in the swimming pool.

KINS 1415 Tennis**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce basic tennis skills and knowledge.

KINS 1416 Tumbling**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce basic tumbling skills and knowledge.

KINS 1417 Volleyball**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce basic volleyball skills and knowledge.

Cross Listing(s): KINS 1417S.

KINS 1417S Volleyball**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce basic volleyball skills and knowledge.

Cross Listing(s): KINS 1417.**KINS 1418 Weight Training****1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce basic weight training skills and knowledge.

KINS 1419 Water Safety: Survival Swimming**1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.****KINS 1510 Mountaineering****1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce mountaineering skills, fundamentals and knowledge.

Cross Listing(s): MSCI 1510.**KINS 1511 Ultimate Frisbee****1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce basic ultimate Frisbee skills and knowledge.

KINS 1512 Yoga and Pilates**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

This course will introduce the student to the fundamental concepts of Yoga and Pilates, encourage the appreciation of leisure activities, and promote a healthy lifestyle.

KINS 1513 Swing/Shag**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce basic Swing/Shag Dance skills and knowledge.

KINS 1515 Fitness for Life**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to introduce basics of weight management through exercise and nutritional education.

KINS 2110 Aerobics: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine the experience student's basic aerobic exercise techniques and knowledge. Intermediate skills and knowledge will be introduced. It is recommended that students be able to participate in a minimum of 20 minutes of continuous aerobic activity prior to enrolling in the course.

KINS 2112 Badminton: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine an experienced student's basic skills and knowledge. Intermediate strategies are introduced.

KINS 2113 Basketball: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine an experienced student's basic basketball skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2115 Bowling: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine an experienced student's basic bowling skills and knowledge. Intermediate skills and strategies will be introduced. It is recommended that students average 130 or higher prior to enrolling in this course. An additional fee is required.

KINS 2117 Dance: Ballet Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine an experienced student's fundamental understanding of ballet techniques and introduce the students to basic choreography of a short self-created dance.

KINS 2213 Dance: Social Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to emphasize leading and following techniques and more advanced patterns/variations of the waltz, cha-cha, Texas two-step and swing (shag).

KINS 2216 Equestrian: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

This course is open to any student at Georgia Southern University with horsemanship or riding experience. There are no prerequisites for this course; however we do observe CHA national standards for horse and rider safety. Based upon these guidelines, a weight limit for riders of up to approximately 250 pounds will be observed.

KINS 2217 Fencing: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine an experienced student's basic fencing skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2219 Football: Flag Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine an experienced student's basic flag football skills and knowledge. Intermediate football skills and strategies will be introduced.

KINS 2310 Golf: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine an experienced student's basic golf skills and knowledge. Intermediate skills and strategies will be introduced. It is recommended that students shoot between 85-115 for 18 holes prior to enrolling in this course. An additional fee is required.

KINS 2317 Racquetball: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine an experienced student's basic racquetball skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2318 Scuba: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine an experienced diver's skills and knowledge. Intermediate skills and strategies will be introduced. An additional fee is required.

KINS 2319 Self Defense: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine an experienced student's basic self-defense skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2321 Clinical Skills in Athletic Training I**2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

This course provides the student with a supervised clinical experience in athletic training. Clinical assignment, clinical skill competencies and clinical proficiency evaluation are included in this course. Content of this course includes; lower extremity taping, bracing and pad fabrication, skills in emergency and non-emergency life threatening injury and illness care.

Prerequisite(s): Athletic Training major status.**KINS 2322 Clinical Skills in Athletic Training II****2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

This course provides the student with a supervised clinical experience in athletic training. Clinical assignment, clinical skill competencies and clinical proficiency evaluation are included in this course. Content of this course includes; upper extremity taping, wrapping, bracing, immobilization and protective devices.

Prerequisite(s): A minimum grade of "C" in KINS 2321 and Athletic Training major status.**KINS 2410 Soccer: Intermediate****1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine the experienced student's basic soccer skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2411 Softball: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine the experienced student's basic softball skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2412 Swimming: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine the experienced student's basic swimming skills and knowledge. Intermediate skills and knowledge will be introduced.

KINS 2415 Tennis: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine the experienced student's basic tennis skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2417 Volleyball: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine the experienced student's basic volleyball skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2418 Weight Training: Intermediate**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

A course designed to refine the experienced student's basic weight training techniques and knowledge. Intermediate techniques and programs will be introduced.

KINS 2419 Swimming: Water Polo**1 Credit Hour. 0 Lecture Hours. 1 Lab Hour.**

Designed to introduce the student to water polo basic skills and knowledge.

KINS 2420 Lifeguard Training**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Prepares students to meet the requirements of the American Red Cross and qualify for certification as a lifeguard.

KINS 2421 Water Safety Instruction**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Prepares the student to meet the requirements of the American Red Cross and qualify for certification as a water safety instructor.

KINS 2431 Foundations of Health and Physical Education**3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.**

Defines health and physical education and their role within the school curriculum. Introduces past, present, and future issues with school-based health and physical education. Reviews the HPE program requirements and sequence, and initiates student portfolio project. Introduces fundamental pedagogical concepts and components including instructional strategies, developmentally appropriate practice, planning, managerial strategies and assessment. Observations in a variety of public school roles including administration, physical education and health classroom teaching is required. Assist teachers in facilitating lesson segments.

KINS 2511 Human Anatomy and Physiology I Laboratory**1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.**

The laboratory component of the first course in a two semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. The laboratory course is intended to provide students with hands on experiences that will enhance and reinforce the content of KINS 2531. The experiences will be structured to encourage critical thinking, understanding of scientific methodology and the application of scientific principles.

KINS 2512 Human Anatomy and Physiology II Laboratory**1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.**

The laboratory component of the second course in a two semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. The laboratory course is intended to provide students with hands on experiences that will enhance and reinforce the content of KINS 2532. The experiences will be structured to encourage critical thinking, understanding of scientific methodology, and the application of scientific principles.

KINS 2531 Human Anatomy and Physiology I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A two semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. Course content includes: basic anatomical and directional terminology; fundamental concepts and principles of cell biology; histology; the integumentary, skeletal, muscular, and nervous systems; special senses; and the endocrine system.

KINS 2532 Human Anatomy and Physiology II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A two semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. This course is a continuation of KINS 2531 and includes the cardiovascular system, the lymphatic system and immunity, the respiratory system, the digestive system and metabolism, the urinary system, fluid/electrolyte and acid/base balance and the reproductive systems.

Prerequisite(s): A minimum grade of "C" in KINS 2531.**Cross Listing(s):** KINS 2532H.**KINS 2532H Human Anatomy & Physiology II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A two semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. This course is a continuation of KINS 2531 and includes the cardiovascular system, the lymphatic system and immunity, the respiratory system, the digestive system and metabolism, the urinary system, fluid/electrolyte and acid/base balance and the reproductive systems.

Prerequisite(s): A minimum grade of "C" in KINS 2531.**Cross Listing(s):** KINS 2532.**KINS 2533 Pathophysiology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces abnormal physiological health transitions across the lifespan incorporating evidence-based interaction in professional practice. Disorders affecting cells, organs, and systems involved in the regulation of structure and function within the human organism are examined. How diseases affect the structures, functions, and systems of the human organism are explored. The influence of genetics, ethnicity, environment, and age are incorporated.

Prerequisite(s): A minimum grade of "C" in KINS 2512 and KINS 2532.**KINS 2535 Introduction to Exercise Science****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A career-based introduction to the field of Exercise Science and the Exercise Science major at Georgia Southern University. Students will explore resources that can enhance their academic and career goals. Students will also meet medical, health promotion and fitness professionals, as well as representatives from graduate schools, that can help them learn more career requirements and opportunities in these fields.

Prerequisite(s): Students must be declared as Pre-Exercise Science and have earned a minimum grade of C in a 4 credit lecture/lab science course (preferably KINS 2531/2511 -A&P 1 Lecture/Lab) and a GPA of 2.25 or higher.**KINS 3111H Kinesiology Honors Thesis Seminar I****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

This is a seminar course that prepares students to complete a senior honors thesis proposal. The student will develop a research topic, a review of literature, and first draft of a research proposal.

KINS 3112H Kinesiology Honors Thesis Seminar II**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

This is the second seminar course, students will complete the final research proposal, develop and defend an oral presentation of their research proposal, and complete IRB and IBC forms necessary to collect data for their Senior Honors Thesis.

KINS 3125 Technology in Sport**2 Credit Hours. 1 Lecture Hour. 2 Lab Hours.**

This course is designed to introduce coaching behavior students to existing technologies in sport and how those technologies can enhance sport performance.

KINS 3130 Research Methods in Kinesiology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces the student to fundamental principles underlying research methods in kinesiology. Included will be basic procedures for conducting experimental, descriptive, historical, qualitative research, computer applications, basic measurement concepts, statistical methods, critical thinking and scholarly writing.

KINS 3130H Research Methods in Kines (H)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces the student to fundamental principles underlying research methods in kinesiology. Included will be basic procedures for conducting experimental, descriptive, historical, qualitative research, computer applications, basic measurement concepts, statistical methods, critical thinking and scholarly writing.

KINS 3131 Biophysical Foundations of Human Movement**0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.**

Surveys biological systems and physical principles as applied to human movement and the relationship of these systems and principles to the development of the study of human movement.

Prerequisite(s): A minimum grade of "C" in KINS 2511 and KINS 2512 and KINS 2531 and KINS 2532.

KINS 3132 Foundations of Exercise and Sport Psychology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces the student to how individuals behave in physical activity settings. Psychological antecedents and consequences of primary and secondary involvement in exercise and sport will be explored.

Prerequisite(s): PSYC 1101.

KINS 3230 Motor Control, Coordination, and Skill**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on the nature of motor skill performance, motor skill learning, and the factors influencing motor skill acquisition.

Prerequisite(s): PSYC 1101 and a minimum grade of "C" in KINS 3131 or KINS 3541 and Permission of Instructor.

KINS 3321 Clinical Applications in Athletic Training I**2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

This course provides the student with a supervised clinical experience in athletic training. Clinical assignment, clinical skill competencies and clinical proficiency evaluation are included in this course. Content of this course includes; therapeutic modality laboratory experience.

Prerequisite(s): A minimum grade of "C" in KINS 2322 and Athletic Training major status.

KINS 3322 Clinical Applications in Athletic Training II**2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

This course provides the student with a supervised clinical experience in athletic training. Clinical assignment, clinical skill competencies and clinical proficiency evaluation are included in this course. Content of this course includes; abdominal injury and illness evaluation.

Prerequisite(s): A minimum grade of "C" in KINS 3321 and Athletic Training major status.

KINS 3330 Prevention of Injury and Illness in Athletic Training**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides an introduction to the profession of athletic training. The student will be acquainted with the domains of athletic training.

Emphasis will be based on basic emergency management as well as injury prevention including strength and conditioning, nutrition and supplements, environmental considerations and protective equipment.

Prerequisite(s): A minimum grade of "C" in HLTH 2120 and KINS 2511 and KINS 2512 and KINS 2531 and KINS 2532.

KINS 3331 Pathology and Care of Athletic Injury and Illness**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will emphasize the recognition of common athletic injuries and illness. Emphasis will be placed on pathology as well as mechanism, signs and symptoms, evaluation findings and basic management and/or referral of injuries and illness.

Prerequisite(s): A minimum grade of "C" in KINS 3330.

KINS 3426 Coaching Baseball and Softball**0,2 Credit Hours. 0,2 Lecture Hours. 0 Lab Hours.**

Provides the prospective coach with the knowledge and understanding of basic skills, fundamentals, techniques, team organization, team strategy and conditioning in baseball and softball.

KINS 3427 Coaching Basketball**0,2 Credit Hours. 0,2 Lecture Hours. 0 Lab Hours.**

Provides the prospective coach with the knowledge and understanding of basic skills, fundamentals, techniques, team organization, team strategy and conditioning in basketball.

KINS 3428 Coaching Football**2 Credit Hours. 1 Lecture Hour. 3 Lab Hours.**

Provides the prospective coach with the knowledge and understanding of basic skills, fundamentals, techniques, team organization, team strategy, and conditioning in football.

KINS 3429 Coaching Olympic Sports**2 Credit Hours. 1 Lecture Hour. 3 Lab Hours.**

Provides the prospective coach with the knowledge and understanding of basic skills, fundamentals, techniques, team organization, team strategy, and conditioning in three of the following sports: golf, soccer, tennis, track and field, volleyball and other Olympic sports.

KINS 3430 Principles of Coaching**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces the student to the sport science principles of coaching. Topics include philosophy, psychology, pedagogy, physiology, management, first aid and injury prevention. Successful completion of the course leads to certification by the National Federation Interscholastic Coaches Education Program.

KINS 3431 Psychology of Coaching**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides the prospective coach with the science and practice of various sport psychology principles as applied to coaching and athletic performance.

KINS 3432 Elementary Physical Education I**3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.**

Provides the introduction to a developmentally appropriate approach to teaching the elementary physical education content (gymnastics, games, and dance). Focus in on gymnastic and dance-like activities to build a movement foundation that encourages learners to resolve movement problems in unique ways. Balance, tumbling, movement exploration, whole and part body expression, and simple rhythms are the core to these learning activities. Students will be required to design and implement a variety of movement challenges for elementary learners.

Prerequisite(s): Admission into the Teacher Education Program in Health and Physical Education.

KINS 3433 Elementary Physical Education II
3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.

Along with KINS 3432, it is designed to focus on a developmentally appropriate approach to teaching the foundations of movement to children. Focus is on dance and game-like activities to build a movement foundation that encourages learners to resolve movement problems and manipulate objects in unique ways. Movement exploration, whole and part body expression, rhythms, game creation, game variations, game strategies and game/cooperative skills are the core to these learning activities. Also emphasizes the inclusion of fitness concepts in the elementary curriculum. Students will be required to design and implement a variety of movement challenges for elementary learners.

Prerequisite(s): Admission into the Teacher Education Program in Health and Physical Education and a minimum grade of 'C' or higher in KINS 3432.

KINS 3435 Life Span Motor Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Develops the ability to survey the developmental perspective of motor development, the knowledge of changing motor behavior, the knowledge of the factors affecting motor development and the ability to apply information about motor development sequences and developmental constraints analysis to the teaching of motor skills.

Prerequisite(s): Admissions into Teacher Education Program in Health and Physical Education.

KINS 3436 Performance and Technique in Physical Activity I
0,3 Credit Hours. 0,1 Lecture Hours. 0,4 Lab Hours.

Enhances the knowledge, skill and understanding of activities and games pertinent to middle and high school physical education. Identifies appropriate teaching sequences, assessment strategies, and developmentally appropriate modifications to enhance student learning. Reviews and analyzes "traditional" game and sports activities and concerns in regard to maximizing learning. Skill, strategy and conceptual transfer, across activities and games, will be identified to enhance learner skillfulness and adaptability. Content focus will be on traditional and non-traditional games and activities involving individual and group skills to diversify movement efficiency. Students will be required to design and implement a variety of movement challenges for middle and high school learners. Strategies for integrating fitness concepts into these activities will be addressed.

Prerequisite(s): Admission into the Teacher Education Program in Health and Physical Education.

KINS 3437 Performance and Technique in Physical Activity II
3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.

Enhances the knowledge, skill, and understanding of dance, cooperative and adventure activities pertinent to middle and high school physical education. Identifies appropriate teaching sequences, assessment strategies and developmentally appropriate modifications to enhance student learning. Reviews and analyses strategies for incorporating these activities into the middle and high school curriculum. Skill, strategy and conceptual transfer, across activities will be identified to enhance learner skillfulness and adaptability. Content focus will be on activities which develop social dance, teamwork, communication and outdoor/adventure skills and to diversify movement efficiency. Students will be required to design and implement a variety of movement challenges for middle and high school learners. Strategies for integrating fitness concepts into these activities will be addressed. This course will involve two weekend adventure experiences.

Prerequisite(s): A minimum grade of "C" in KINS 3436 and admission into the Teacher Education Program in Health and Physical Education.

KINS 3438 Principles of Personal Training
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.

The objective of the class is to develop an understanding of the physiological mechanisms and basic skills necessary to evaluate healthy populations and prescribe exercise. Additionally, this class is set up as a means to prepare students to sit for the national personal trainer certification (NSCA-CPT).

Prerequisite(s): A minimum grade of "C" in KINS 3541.

KINS 3541 Structural Kinesiology
0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.

This course surveys biological systems and physical principles as applied to human movement and the relationship of these systems and principles to the development of the study of human movement.

Prerequisite(s): A minimum grade of "C" in KINS 2511 and KINS 2512 and KINS 2531 and KINS 2532.

KINS 3542 Physiological Aspects of Exercise
0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.

Provides an in-depth perspective of physiological and biochemical responses of the human body when subjected to exercise.

Prerequisite(s): A minimum grade of "C" in KINS 3131 or KINS 3541.

KINS 3543 Biomechanical Analysis of Movement
0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.

Focuses on the study of human motion through an examination of forces acting on the body and the effects produced by these forces.

Prerequisite(s): A minimum grade of "C" in KINS 3131 or KINS 3541 and PHYS 1111 and PHYS 1113.

KINS 4099 Religion, Spirituality, & Sport
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Provides the student with an in-depth study of selected topics in kinesiology.

Prerequisite(s): Permission of Instructor.

KINS 4111H Kinesiology Honors Thesis Seminar III
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

In a seminar setting, students will continue writing and revising their thesis. This course provides the student with the opportunity to revise manuscript proposal based upon previous work in Honors Thesis Seminar I and II. Student will be guided through primary data collection and analysis. Student will complete writing the first draft of the Research Manuscript.

KINS 4112H Kinesiology Honors Thesis Seminar IV
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

Students will complete a Honor's Research thesis and successfully defend their original research project to their Research Director and Research Committee. Revisions to the Honor's thesis will be based upon feedback from the oral defense. To demonstrate proficiency in oral research presentation, students will present their original research at the Honors Research Symposium and Phi Kappa Phi Research Symposium and/or a regional professional conference. Finally, students will submit the final Research Manuscript for publication in a professional peer reviewed journal.

KINS 4130 Administrative Principles in Kinesiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Focuses on the study of the processes of planning, organizing, directing and controlling the functioning of movement based professions (exercise science, athletic training).

Prerequisite(s): Senior status and school approval.

KINS 4131 Population Health Care Strategies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Overview of the levels of prevention, epidemiological principles and their impact on health promotion and disease prevention. A major focus is primary prevention relative to exercise/activity. Emphasis is placed on the clinical application of activity for improving health.

Prerequisite(s): Junior or Senior status or Permission of Instructor.

KINS 4195S International Studies Abroad in Health and Kinesiology
3-9 Credit Hours. 3-9 Lecture Hours. 0 Lab Hours.

This course offers students the opportunity to examine health, nutrition and food science, or kinesiology practices in a foreign country through travel abroad. Classroom instruction will be combined with on-site experiences to provide a realistic learning experience.

Prerequisite(s): Junior or Senior status.

Cross Listing(s): NTFS 4195S.

KINS 4231 Fitness Evaluation and Exercise Prescription
0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.

Provides the student with an in-depth study of fitness appraisal and exercise prescription and the development, interpretation, implementation and management of fitness programs.

Prerequisite(s): A minimum grade of "C" in HLTH 1520 and KINS 3541; and prior or concurrent enrollment with a minimum grade of "C" in KINS 3542 or KINS 3131 or Permission of Instructor.

KINS 4330 Evaluation of Lower Extremity Injuries
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Presents principles and techniques in the clinical evaluation of athletic injuries and illnesses involving the lower extremities, thoracic/lumbar spine and gait analysis.

Prerequisite(s): A minimum grade of "C" in KINS 3331.

KINS 4331 Evaluation of Upper Extremity Injuries
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Presents principles and techniques in the clinical evaluation of athletic injuries and illnesses involving the upper extremities, head, face and cervical spine.

Prerequisite(s): A minimum grade of "C" in KINS 4330.

Corequisite(s): KINS 4333.

KINS 4332 Therapeutic Modalities in Athletic Training
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduces the student to the physiological effects associated with therapeutic modalities used in the treatment and rehabilitation of athletic injuries.

Prerequisite(s): A minimum grade of "C" in PHYS 1112 and KINS 2511 and KINS 2512.

KINS 4333 Therapeutic Exercise and Rehabilitation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Imparts knowledge pertaining to the physiological effects, indications, contraindications, and applications of therapeutic exercise in the rehabilitation of athletic injuries and illnesses.

Prerequisite(s): A minimum grade of "C" in KINS 2511 and KINS 2512.

Cross Listing(s): KINS 4331.

KINS 4334 General Medical and Pharmacological Issues in Athletic Training
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course acquaints the student with general medical and pharmacological issues in the athletic population.

Prerequisite(s): A minimum grade of "C" in CHEM 1146 or CHEM 1146H and KINS 3331.

KINS 4420 Sport Conditioning Laboratory
0,2 Credit Hours. 0,2 Lecture Hours. 0 Lab Hours.

Prepares students to undertake responsibilities in the areas of coaching, fitness programming and or related areas.

KINS 4421 Principles of Officiating

2 Credit Hours. 1 Lecture Hour. 3 Lab Hours.

Provides the prospective coach with the knowledge and understanding of principles and basic techniques of officiating selective sports.

KINS 4430 Instructional Design in Health and Physical Education for Elementary Students

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Develops skills and knowledge related to teaching physical education to young or beginning learners. Specifically the course will be oriented toward developing an understanding of the characteristics and needs of children, appropriate curriculum content in elementary school physical education and effective teaching skills for elementary school physical education. To the extent possible, the majority of the course will be conducted in elementary schools, providing continuous opportunities to observe, plan for, teach and evaluate teaching physical education lessons on a regular basis.

Corequisite(s): EDUF 3232.

KINS 4431 Instructional Design in Health and Physical Education for Middle and High School Students

0,3 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.

Develops instructional skills in planning, teaching and evaluating psychomotor, cognitive and affective learning in large group settings. The emphasis will be on intermediate level learning about current health issues and health related fitness at the high school level, and game/sport, dance, and fitness activities at the middle and high school levels. Specifically the course will be oriented toward developing an understanding of the characteristics of youths in both middle school and high school, appropriate curriculum content in high school physical education, appropriate curriculum content in high school health education, and effective teaching skills for middle school physical education and high school health education.

Prerequisite(s): KINS 4430.

KINS 4432 Adapted Physical Education

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is an introductory course designed to provide students with the knowledge and basic skills required to meet the professional and legal mandates pertaining to physical education for individuals with disabilities.

Prerequisite(s): KINS 4430 and Admission into the Teacher Education Program.

Corequisite(s): KINS 4431.

KINS 4617 Senior Seminar in Health and Physical Education

1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

Provides senior level health and physical education majors with a colloquium in which to discuss job search strategies, trends and current issues in the profession, certification issues in education, student teaching responsibilities, and advocacy strategies for promoting the profession.

KINS 4618 Senior Seminar in Athletic Training

1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

This course provides senior level athletic training students with a colloquium in which to discuss current athletic training issues and topics. Emphasis will be placed on professional responsibility, as well as ethical practice, and rules and regulations that govern the practice of athletic training. Course also includes: employment opportunities, professional development and continuing education.

KINS 4721 Clinical Practicum in Athletic Training I

2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

This course provides the student with a supervised clinical experience in athletic training. Clinical assignment, clinical skill competencies and clinical proficiency evaluation are included in this course. Content of this course includes: advanced techniques in manual muscle testing, goniometric measurements and orthotic fabrication.

Prerequisite(s): A minimum grade of "C" in KINS 3322 and Athletic Training major status.

KINS 4722 Clinical Practicum in Athletic Training II
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

This course provides the student with a supervised clinical experience in athletic training. Clinical assignment, clinical skill competencies and clinical proficiency evaluation are included in this course. Content of this course includes; research methods, professional presentations and athletic training administration.

Prerequisite(s): A minimum grade of "C" in KINS 4721 and Athletic Training major status.

KINS 4730 Coaching Practicum

3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Provides the student with supervised coaching experience in a sport.

Prerequisite(s): Beginning coaching course in sport or Permission of Instructor.

KINS 4735 Practicum in Exercise Science

3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Offers the student the opportunity to participate in appropriate laboratory techniques and practices within the biophysical and behavioral domains of exercise science.

Prerequisite(s): Permission of Exercise Science Program Coordinator.

KINS 4799 Internship in Exercise Science

12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Provides the senior level Exercise Science major student with a practical experience in an appropriate exercise setting.

KINS 4899 Directed Individual Study

1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.

Prerequisite(s): Permission of Instructor.

KINS 4999 Senior Thesis

6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Provides the student with a capstone experience focusing on designing and conducting an original research project or assisting a faculty mentor in ongoing research.

Prerequisite(s): 3.0 GPA and Permission of Exercise Science Program Coordinator.

LAST Latin American Studies

LAST 3090 Selected Topics in Latin America

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Designed to provide intensive study of an area relating to the geography, history, culture and/or civilization of Latin America.

Cross Listing(s): LAST 3090S.

LAST 3090S Selected Topics in Latin America

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Designed to provide intensive study of an area relating to the geography, history, culture and/or civilization of Latin America.

Cross Listing(s): LAST 3090.

LAST 3133 Latin American Politics

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An examination of the major domestic and international factors in comparative Latin American political systems. Special attention and detail is given to the challenges of development and democratization.

Cross Listing(s): LAST 3133S, POLS 3133, POLS 3133S.

LAST 3133S Latin American Politics

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An examination of the major domestic and international factors in comparative Latin American political systems. Special attention and detail is given to the challenges of development and democratization.

Cross Listing(s): LAST 3133, POLS 3133, POLS 3133S.

LAST 3537 Colonial Latin America

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A political, social, and economic survey of Latin America from its pre-Columbia era to its struggles for independence.

Cross Listing(s): HIST 3537, INTS 3537.

LAST 3538 Modern Latin America

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A political, social, and economic survey of Latin America from independence to the present.

Cross Listing(s): LAST 3538, HIST 3538, INTS 3538, INTS 3538S.

LAST 3538S Modern Latin America

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A political, social, and economic survey of Latin America from independence to the present.

Cross Listing(s): LAST 3538, HIST 3538, INTS 3538, INTS 3538S.

LAST 4135 Mesoamerican Archeology

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An examination of the prehistoric cultures of Central America beginning with the Paleoindians and culminating with the Aztec and Maya. Materials covered include the art, iconography, architecture, religion, economy, social and political organization of the Olmec, Mixtec, Aztec, Toltec, Totanec, Maya, and Huastec Civilizations.

Prerequisite(s): A minimum grade of "C" in ANTH 1102.

Cross Listing(s): LAST 4135S.

LAST 4135S Mesoamerican Archeology

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An examination of the prehistoric cultures of Central America beginning with the Paleoindians and culminating with the Aztec and Maya. Materials covered include the art, iconography, architecture, religion, economy, social and political organization of the Olmec, Mixtec, Aztec, Toltec, Totanec, Maya, and Huastec Civilizations.

LAST 4231 Spanish American Life, Literature, and Thought

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An exploration of the life, literature, and thought of Spanish America, with focus on building advanced-level proficiency in writing, listening, reading, and speaking.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.

Cross Listing(s): SPAN 4231.

LAST 4232 Geography of Latin America

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Study of the physical, cultural and economic geography of Latin America, including Mexico.

Cross Listing(s): GEOG 4232.

LAST 4890 Seminar in Latin American Studies

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The Seminar in Latin American Studies, which must be taken as the final 3 hour course in the 15 hour block required for the minor in Latin American Studies, is designed to permit interdisciplinary engagement and individualized specialization so that the student can intensify his or her studies of Latin American topics disciplines other than the major.

Prerequisite(s): Department approval.

LAST 5232 Studies in Hispanic Societies

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Practice of Superior-level Spanish-proficiency skills through the examination of the societies of the Spanish-speaking world, with particular focus on the various minority groups. Graduate students must produce an extra paper/project, give an extra conference-length presentation, and conduct extra research that is not required of the undergraduate students. Course repeatable for credit with advisor approval.

Prerequisite(s): Department approval.

Cross Listing(s): LAST 5232G, SPAN 5232.

LATN Latin

LATN 1001 Elementary Latin I

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduction to the Latin language: pronunciation, fundamentals of grammar, reading, and translation.

Cross Listing(s): LATN 1001S.

LATN 1001S Elementary Latin I

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduction to the Latin language: pronunciation, fundamentals of grammar, reading, and translation.

Cross Listing(s): LATN 1001.

LATN 1002 Elementary Latin II

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Continued study of Latin grammar and syntax begun in Latin 1001, with further reading and translation.

Cross Listing(s): LATN 1002H.

LATN 1002H Elementary Latin II

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Continued study of Latin grammar and syntax begun in Latin 1001, with further reading and translation.

Cross Listing(s): LATN 1002.

LATN 1060 Accelerated Elementary Latin

6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.

An accelerated introduction to the Latin language: pronunciation, fundamentals of grammar, reading, and translation.

LATN 2001 Intermediate Latin I

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Beginning series of reading in Roman authors with emphasis on prose. Elements of grammar will also be reviewed. Discussion of Roman history and culture.

Prerequisite(s): A minimum grade of "C" in LATN 1002.

Cross Listing(s): LATN 2001H.

LATN 2001H Intermediate Latin I Honors

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Beginning series of reading in Roman authors with emphasis on prose. Elements of grammar will also be reviewed. Discussion of Roman history and culture.

Prerequisite(s): A minimum grade of "C" in LATN 1002.

Cross Listing(s): LATN 2001.

LATN 2002 Intermediate Latin II

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Continued reading of Roman authors with emphasis on poetry.

Prerequisite(s): Minimum grade of "C" in LATN 2001.

LATN 2060 Accelerated Intermediate Latin

6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.

Accelerated intermediate Latin with continued work on pronunciation, fundamentals of grammar, reading, and translation. A minimum grade of "C" in LATN 1002 or LATN 1060.

LATN 3030 Selected Topics in Latin

1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Study of a topic in Latin literature, culture, society, thought or language not included in the regular offering. May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in LATN 2002 or LATN 2060.

Cross Listing(s): LATN 3030S.

LATN 3030S Selected Topics in Latin

1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Study of a topic in Latin literature, culture, society, thought or language not included in the regular offering. May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in LATN 2002 or LATN 2060.

Cross Listing(s): LATN 3030.

LATN 3131 Latin Authors

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Concentrated study of the works of one or more Latin authors. Themes in the literature will be studied with emphasis placed on the cultural and historical significance of the written work and its author. May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in LATN 2002 or LATN 2060.

LATN 3330 Roman Women

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Study of the role of women in the ancient Roman world. Emphasis on their influence within the political, economic, social, religious, and intellectual life of Rome. Examination of the Roman world through the eyes of ancient Roman women from different historical periods and social status.

Prerequisite(s): A minimum grade of "C" in LATN 2002 or LATN 2060.

Cross Listing(s): LATN 3330S and WGST 3330.

LATN 3330S Roman Women

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Study of the role of women in the ancient Roman world. Emphasis on their influence within the political, economic, social, religious, and intellectual life of Rome. Examination of the Roman world through the eyes of ancient Roman women from different historical periods and social status.

Prerequisite(s): A minimum grade of "C" in LATN 2002 or LATN 2060.

Cross Listing(s): LATN 3330 and WGST 3330.

LATN 4890 Directed Study in Latin

1-15 Credit Hours. 1-15 Lecture Hours. 0 Lab Hours.

Concentrated study of a topic in Latin literature, culture, society, thought or language. May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in LATN 2002 or LATN 2060.

LEAD Leadership

LEAD 1000 Self-Leadership

0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.

Character is shaped by personal core values. Effective leaders understand their values and live and lead from those values. In this course, you will explore and develop your core values as you begin your leadership journey. Then, you will learn to rely on your core values to guide your decision-making as you develop your personal leadership style and your skills as a leader.

LEAD 2000 Collaborative Leadership

0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.

From a foundation of group dynamics, students will explore team roles, active followership, conflict resolution, and communication. The focal concept for the course will be team building and team leadership.

LEAD 2031 Principles of Leadership

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The Principles of Leadership course will prepare students for leadership roles in the community and in their professions. The course will provide students with the knowledge, skills, and foundation in Leadership necessary to be effective in a variety of settings. Students will develop an understanding of the components that make leadership successful. Students will gain both the theoretical and practical skills necessary for success in both their personal and professional lives. It is intended for students who are interested in gaining a foundation in leadership studies and extended coursework in applied aspects of Leadership.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.

Cross Listing(s): LEAD 2031S.

LEAD 2031S Principles of Leadership
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The Principles of Leadership course will prepare students for leadership roles in the community and in their professions. The course will provide students with the knowledge, skills, and foundation in Leadership necessary to be effective in a variety of settings. Students will develop an understanding of the components that make leadership successful. Students will gain both the theoretical and practical skills necessary for success in both their personal and professional lives. It is intended for students who are interested in gaining a foundation in leadership studies and extended coursework in applied aspects of Leadership.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.
Cross Listing(s): LEAD 2031.

LEAD 2100 Lead through Service-Learning
0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.

Students will utilize a variety of readings and other media to explore concepts of service and best practices in service-learning in preparation for leadership as a service-learning facilitator.

LEAD 3000 Community Leadership
0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.

Building on the foundations established in their studies of self and collaborative leadership, students will expand their understanding of leadership into the context leading change. Topics considered will include the role of reflection in leadership, the importance of understanding organizational culture in affecting change, and effective models & methods for leading and sustaining change.

LEAD 3500 Leadership in the Workplace
0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.

Students will become aware of and develop their emotional intelligence skill sets. Each participant will receive a personalized curriculum of activities to guide the practice and development of emotional intelligence. Topics considered will self-perception, self-expression, development of empathy and social responsibility, decision making, and stress management. All students must participate in an internship experience at the time of the seminar and registration for the course is contingent on instructor approval.

LEAD 3900 ResEd Leadership Development
0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.

Students will learn about the three primary leadership skill areas for serving as an effective Community Leader: peer helping skills (active listening, mediation, conflict management), multicultural competence and building inclusive communities.

LESP Learning Support

LESP 3090 Selected Topics in Learn Suppt
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

LING Linguistics

LING 2090 Selected Topics in Writing and Linguistics
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Introduces students to one or more topics preliminary to study of more specialized areas of Writing and Linguistics.

Cross Listing(s): WRIT 2090, WRIT 2090S.

LING 2430 Essential Grammar for Successful Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Offers review and reinforcement of grammar, punctuation, and rules of writing used in both academics and the professions. Challenges students to learn grammar and punctuation well enough that they feel confident with their language skills. Emphasizes paragraph and essay-level writing through drafting, revision, and editing.

Cross Listing(s): WRIT 2430.

LING 3030 Selected Topics in Linguistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Offers varied courses in specialized areas of the field of linguistics.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): LING 3030S.

LING 3030S Selected Topics in Linguistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Offers varied courses in specialized areas of the field of Linguistics.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): LING 3030.

LING 3031 Phonology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An in-depth introduction to sounds and sound structures within formal grammar. Relation of basic units of sound structure to major components of linguistics including syntax, morphology, and semantics. Reading and discussion of trends in phonological theory, including nonlinear phonology and current optimality approaches.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

LING 3032 Syntax
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A broad introduction to syntactic theory within historical and contemporary approaches to language and linguistic representation. Exploration of language as a systematic structure drawing on the Generative Transformational models complemented by the Minimalist paradigm.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

LING 3337 Language, Power, Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An in-depth investigation of the role of language in national and international power structures. Comparative evaluation of language in social organization of politics, economic policy and law as aggregated by race, culture, ethnicity, class, group ideology and gender. Emphasis on social policy management and minority/linguistic rights.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): ANTH 3337 and POLS 3337.

LING 3338 Language and Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A critical examination of language as a problem-solving device and tool for understanding argument and legal contestation. Delineation of individual rights, institutional authority and legal jurisdiction with emphasis on language and legal power. Analysis of the sociology of language and law within the concepts of human rights and socio-political entitlements.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): POLS 3338.

LING 3533 Introduction to Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A general introduction to the nature and structure of language and its role in society.

Cross Listing(s): FORL 3533.

LING 3534 Psychology of Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction focusing on the psychological mechanisms underlying the acquisition and use of language from cognitive and social psychological perspectives.

Prerequisite(s): A minimum grade of "C" in PSYC 1101 or LING 3533 or LING 3630.

Cross Listing(s): PSYC 3534.

LING 3630 Language and Linguistic Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Critical overview, examination and evaluation of influential theories in linguistics and their insight on language. Application of basic principles of linguistic theorizing to issues of language structure and understanding.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

LING 4133 Gullah and Geechee Language and Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course introduces students to the culture, language, folklore, traditional stories, and creative output of the Gullah and Geechee people in Georgia and South Carolina through readings, lectures, films, and hands-on experiences.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): AAST 4133 and ANTH 4133.

LING 4333 Semantics

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Focuses on language analysis applied to practical problems of communication in contemporary society.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): LING 4333S and COMS 4333.

LING 4333S Semantics

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Focuses on language analysis applied to practical problems of communication in contemporary society.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): LING 4333.

LING 5130 Modern English Grammar

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of the system of rules of word formation and sentence construction that we unconsciously employ in our daily use of the English language. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Undergraduate.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): LING 5130G, WRIT 5130, WRIT 5130G.

LING 5330 History of English Language

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of the English language from linguistic, social, and historical perspectives. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): LING 5330G, ANTH 5330, ANTH 5530G, WRIT 5330, WRIT 5330G.

LING 5530 Sociolinguistics

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The principles and methods used to study language as a sociocultural phenomenon. These are examined both from the linguistic viewpoint and the social scientific viewpoint. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): ANTH 1102 or SOCI 1101.

Cross Listing(s): LING 5530G, ANTH 5530, ANTH 5530G, WRIT 5530, WRIT 5530G.

LOGT Logistics and Intermodal Transportation

LOGT 3231 Principles of Transportation

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to the principles of transportation with emphasis on transportation modal and intermodal operations (rail, highway, air, water, and pipeline transportation) and transportation management. Consideration is given to the economic, social, political and international aspects of the transportation industry. The role of logistics information technology in modern global transportation systems is introduced via topics including electronic data interchange, global positioning systems, and intelligent transportation systems.

Prerequisite(s): Junior standing.

LOGT 3232 Logistics and Supply Chain Management

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to and study of the fundamentals of logistics and supply chain management. Course coverage includes the flow of raw materials, work-in-process, and finished goods through the supply chain. Particular emphasis is given to the design of channels of distribution, management of inventory, evaluation of transportation alternatives, information flow, facility location, outsourcing and third-party relationships, and the rapidly expanding field of logistics information technology.

Prerequisite(s): A minimum grade of "C" in BUSA 3131 or STAT 2231.

LOGT 4030 Special Topics in Logistics

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A customized course that allows students to pursue further study in a specific logistics topic at the frontier of an area of research or a contemporary topic related to current real-world events.

Prerequisite(s): A minimum grade of "C" in LOGT 3231 and LOGT 3232.

LOGT 4231 Logistics and Intermodal Transportation Operations

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An examination of the design and management of supply chain operations in selected logistics settings. Particular emphasis is placed upon the areas of traffic management, carrier operations, carrier selection and contract negotiation, and warehousing. Each area is analyzed in terms of organizational differences, operational processes, variations in information needs, and performance control mechanisms.

Prerequisite(s): LOGT 3232.

LOGT 4232 International Logistics

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An examination of the many differences between domestic and international supply chain management activities and functions. Considerable emphasis is placed upon the importance of ocean shipping and air transportation and their impact on international trade and global trade patterns. Other topics covered include INCOTERMS (international commercial terms), the use of EDI (electronic data interchange) in international transactions, the management of ocean carriers, the import/export process, the role of international agents and forwarders, and international sourcing decisions.

Prerequisite(s): LOGT 3231.

LOGT 4233 Logistics Executive in Residence

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A capstone, integrative, case course in logistics and transportation strategy. Students participate in an Executive in Residence program that provides interaction with top-level logistics and transportation executives.

Prerequisite(s): A minimum grade of "C" in LOGT 4231 or LOGT 4232.

LOGT 4234 Analytical Tools in Logistics

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an examination of the principle analytical tools and methods used in logistics and transportation, including the application of analytical tools to strategic, tactical, and operational supply chain problems. Students will be required to demonstrate the ability to understand the fundamentals of the field and to stretch this understanding to comprehend the intricate processes needed by logistical and transportation managers.

Prerequisite(s): A minimum grade of "C" in LOGT 3231 and LOGT 3232.

Corequisite(s): LOGT 4231.

LOGT 4263 Seminar in Intermodal Distribution

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course requires knowledge of a wide range of logistics terms and concepts. Students are required to read extensively from the current literature in the field and to demonstrate proficiency in sourcing intermodal information via electronic media. A major research project is an integral part of the course, involving the analysis of organizations and/or topics directly related to intermodal distribution.

Prerequisite(s): A minimum grade of "C" in LOGT 3231 and LOGT 3232.

Corequisite(s): LOGT 4231.

LOGT 4790 Internship in Logistics**3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A supervised work-study program in selected logistics and intermodal transportation companies. Students will be permitted to undertake internships only after review of academic qualifications and with firms per-approval by the faculty.

Prerequisite(s): LOGT 3231 or LOGT 3232.**LOGT 4830 Special Problems in Logistics****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A senior level course that allows LOGT majors to pursue an intensive study of a specific topic or emerging area of transportation and logistics to be developed by the instructor.

Prerequisite(s): LOGT 3231 and LOGT 3232.**LOGT 4890 Directed Study in Logistics and Intermodal Transportation****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Independent study and research in selected areas of Logistics and Intermodal Transportation under supervision of a member of the LOGT faculty.

LSTD Legal Studies

LSTD 2106 Legal Environment of Business**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Business operates in a domestic and global environment shaped by social and economic forces, made to operate on managers through government regulation and incentives. This course presents an introduction to those factors in the environment of business that shape and affirm American Capitalism.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.**Cross Listing(s):** LSTD 2106 H and LSTD 2106S.**LSTD 2106H Legal Environment of Business****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Business operates in a domestic and global environment shaped by social and economic forces, made to operate on managers through government regulation and incentives. This course presents an introduction to those factors in the environment of business that shape and affirm American capitalism.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.**Cross Listing(s):** LSTD 2106 and LSTD 2106S.**LSTD 2106S Legal Environment of Business****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Business operates in a domestic and global environment shaped by social and economic forces, made to operate on managers through government regulation and incentives. This course presents an introduction to those factors in the environment of business that shape and affirm American Capitalism.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.**Cross Listing(s):** LSTD 2106 and LSTD 2106H.**LSTD 3130 International Trade Regulation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course presents fundamentals of international trade operations, providing students with the experience of regulatory compliance while conducting the business of exporting.

Cross Listing(s): LSTD 3130S.**LSTD 3130S International Trade Regulation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course presents fundamentals of international trade operations, providing students with the experience of regulatory compliance while conducting the business of exporting.

Cross Listing(s): LSTD 3130.**LSTD 3230 Building Construction Law****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the legal concepts, statutes and regulations governing the building and construction industry, including the legal framework of contract law, construction financing, property rights zoning, lien, bonding, liability, competitive bidding, dispute resolution theories and relevant/ current development of government regulation of the building construction industry.

Cross Listing(s): LSTD 3230H.**LSTD 3230H Building Construction Law****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the legal concepts, statutes and regulations governing the building and construction industry, including the legal framework of contract law, construction financing, property rights zoning, lien, bonding, liability, competitive bidding, dispute resolution theories and relevant/ current development of government regulation of the building construction industry.

Cross Listing(s): LSTD 3230.**LSTD 3630 White Collar Crime****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the US criminal justice system along with its response to the escalating incidence of white-collar crime. Other topics include understanding human behavior, theories of crime causation, organization crime, occupational crime, and the constitutional rights of white-collar criminals.

Prerequisite(s): Completion of a minimum of 55 semester hours.**LSTD 3631 Fraud and the Law****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Fraud-fighting professionals must understand the laws governing a fraud investigation as it moves through the US legal system. This course examines the numerous legal issues associated with conducting fraud investigations including the federal rules of civil and criminal procedure along with issues involving discovery and evidence admissibility.

Prerequisite(s): Completion of a minimum of 55 semester hours.**LSTD 4334 Employment Law and Legislative Compliance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An overview of the current issues in the work environment related to the job selection process, equal employment opportunity, and the rights of workers in the market.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.**Cross Listing(s):** MGNT 4334 and MGNT 4334S.**LSTD 4633 Forensic Interviews and Interrogations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the distinctions between interviews and interrogations and how each can be used in resolving criminal or civil allegations. Other topics to be explored include the verbal and nonverbal cues indicating truth or deception, preparation of interview memoranda, and obtaining and preparing legally-admissible admission statements.

Prerequisite(s): Completion of a minimum of 45 semester hours.**LSTD 4830 Special Problems in Legal Studies****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that is under the direction of a faculty sponsor. The course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with faculty sponsor.

LSTD 4890 Directed Study in Legal Studies**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed for independent study and research in selected areas of legal studies under faculty supervision.

MATH Mathematics

MATH 0091 Algebra Lab

1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

Provides additional instruction on selected topics from MATH 1111 and is open to all students. MATH 0091 is a required course for any student who makes below a C in MATH 1111. Students required to take MATH 0091 must take it concurrently with MATH 1111 until they make at least a C in MATH 1111. Topics covered include a study of functions equations, graphing, and operations with polynomial, rational, and radical expressions. Also included are appropriate study skills and the use of technology.

MATH 0989 Foundations for College Algebra

4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.

This course is designed for students who are not prepared to enter a college core curriculum mathematics course. MATH 0989 consists of a study of exponents, polynomials, equations, inequalities, functions and graphs, rational expressions, and radicals. Students will be placed in MATH 0989 based on their Mathematics Placement Index (MPI) score. Students will be allowed a maximum of 2 semesters to meet exit requirements for MATH 0989. Audit or institutional credit only.

MATH 0998 Support for Mathematical Modeling

1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

This course is designed to provide students with mathematics deficiencies "just-in-time" support while they take MATH 1101-Mathematical Modeling. This course will supplement the content of MATH 1101 with the intent of filling the gaps in the students' mathematical knowledge that is necessary to be successful in the course. Students will be placed in MATH 0998 based on their Mathematics Placement Index (MPI) score. Audit or institutional credit only.

Corequisite(s): MATH 1101.

MATH 0999 Support for College Algebra

1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

This course is designed to provide students with mathematics deficiencies "just-in-time" support while they take MATH 1111- College Algebra. This course will supplement the content of MATH 1111 with the intent of filling the gaps in the students' mathematical knowledge that is necessary to be successful in the course. Students will be placed in MATH 0999 based on their Mathematics Placement Index (MPI) score. Audit or institutional credit only.

Corequisite(s): MATH 1111.

MATH 1101 Introduction to Mathematical Modeling

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Mathematical modeling using graphical, numerical, symbolic, and verbal techniques to describe and explore real-world data and phenomena.

The investigation and analysis of applied problems and questions, and effective communication of quantitative concepts and results. Topics include linear, quadratic, polynomial, exponential and logarithmic models of real-world phenomena. Credit cannot be earned toward graduation for MATH 1111 if credit is earned for MATH 1101.

Prerequisite(s): Two years of high school algebra or equivalent.

MATH 1111 College Algebra

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course provides an in-depth study of the properties of algebraic, exponential and logarithmic functions as needed for calculus. Emphasis is on using algebraic and graphical techniques for solving problems involving linear, quadratic, piecewise defined, rational, polynomial, exponential, and logarithmic functions. Credit cannot be earned toward graduation for MATH 1101 if credit is earned for MATH 1111.

Prerequisite(s): Two years of high school algebra or equivalent.

MATH 1112 Trigonometry

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Circular functions, solutions of triangles, trigonometric identities and equations, graphs of trigonometric functions, Law of Sines, Law of Cosines, applications, vectors, matrices, complex numbers, Euler's formula, DeMoivre's theorem. Appropriate technology will be used. Credit may not be received for both MATH 1112 and MATH 1113.

Prerequisite(s): A minimum grade of "C" in MATH 1111.

MATH 1113 Pre-Calculus

3,4 Credit Hours. 3,4 Lecture Hours. 0 Lab Hours.

This course is an intensive study of the basic functions needed for the study of calculus. Topics include algebraic, functional, and graphical techniques for solving problems with algebraic, exponential, logarithmic, and trigonometric functions and their inverses. Credit cannot be earned toward graduation for MATH 1112 if credit is earned for MATH 1113.

Prerequisite(s): MATH 1111 with a minimum grade of "C".

MATH 1232 Survey of Calculus

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Covers the fundamental elements of differential and integral calculus of algebraic, logarithmic and exponential functions. Topics include a brief review of algebraic principles, limits, derivatives and integrals. Appropriate technology will be incorporated throughout the course.

Prerequisite(s): A minimum grade of "C" in MATH 1101 or MATH 1111 or MATH 1113 or MATH 1112.

MATH 1401 Intro to Statistics

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The course is a course in basic statistics. Topics include descriptive statistics, probability, distributions, hypothesis testing, inferences, correlation, and regression.

MATH 1441 Calculus I

0,4 Credit Hours. 0,4 Lecture Hours. 0,1 Lab Hours.

This is the first of a sequence of courses which present a unified treatment of the differential and integral calculus. Topics include: limits, continuity, differentiation and integration, applications of the derivative and the integral.

Prerequisite(s): A minimum grade of "C" in MATH 1112 or MATH 1113.

Cross Listing(s): MATH 1441H.

MATH 1441H Calculus I

4 Credit Hours. 4 Lecture Hours. 1 Lab Hour.

This is the first of a sequence of courses which presents a unified treatment of the differential and integral calculus. Topics include: limits, continuity, differentiation and integration, applications of the derivative and the integral.

Prerequisite(s): A minimum grade of "C" in MATH 1112 or MATH 1113.

Cross Listing(s): MATH 1441.

MATH 1501 Calculus I

0,4 Credit Hours. 0,4 Lecture Hours. 0,1 Lab Hours.

Topics to include functions, limits, continuity, the derivative, antiderivatives, the definite integral, and applications.

MATH 2008 Foundations of Numbers and Operations

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an Area F introductory course for early childhood education majors. This course will emphasize the understanding and use of the major concepts of numbers and operations. As a general theme, strategies of problem solving will be used and discussed in the context of various topics. This course is also part of the program of study for middle grade majors.

Prerequisite(s): A minimum grade of "C" in MATH 1111 or MATH 1101.

MATH 2008H Found of Num and Operations**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an Area F introductory course for early childhood education majors. This course will emphasize the understanding and use of the major concepts of numbers and operations. As a general theme, strategies of problem solving will be used and discussed in the context of various topics. This course is also part of the program of study for middle grade majors.

MATH 2010 Problem Solving for K-8 Teachers**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Students will learn, integrate and apply a variety of problem solving strategies to a range of mathematical problems from algebra, geometry and other areas of mathematics appropriate to the middle grades curriculum. Students will learn, integrate and apply appropriate technology as a tool in the problem solving process. For early childhood and middle grade majors only.

Prerequisite(s): MATH 3032 with a minimum grade of "C".**MATH 2130 Discrete Mathematics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Covers important discrete mathematical objects such as sets, relations and functions, graphs and trees. An introduction to mathematical logic and reasoning, and the concept of an algorithm and its complexity will be covered.

Prerequisite(s): MATH 1111 or MATH 1113 or MATH 1232 or MATH 1441 or MATH 1112 or MATH 2242, with a minimum grade of "C".**MATH 2242 Calculus II****4 Credit Hours. 4 Lecture Hours. 1 Lab Hour.**

Includes an introduction to transcendental functions, techniques of integration, improper integrals, infinite series and conics.

Prerequisite(s): MATH 1441, with a minimum grade of "C".**Cross Listing(s):** MATH 2242H.**MATH 2242H Calculus II****4 Credit Hours. 4 Lecture Hours. 1 Lab Hour.**

Includes an introduction to transcendental functions, techniques of integration, improper integrals, infinite series and conics.

Prerequisite(s): MATH 1441, with a minimum grade of "C".**Cross Listing(s):** MATH 2242.**MATH 2243 Calculus III****4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.**

Topics in real valued functions of several variables. Topics include polar coordinates, parametric equations, vectors in two and three dimensions, quadric surfaces, partial derivatives and applications, multiple integrals and applications, line integrals and Stoke's and Green's theorem.

Prerequisite(s): A minimum grade of "C" in MATH 2242.**Cross Listing(s):** MATH 2243H.**MATH 2243H Calculus III****4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.**

Topics in real valued functions of several variables. Topics include polar coordinates, parametric equations, vectors in two and three dimensions, quadric surfaces, partial derivatives and applications, multiple integrals and applications, line integrals and Stoke's and Green's theorem

Prerequisite(s): A minimum grade of "C" in MATH 2242.**Cross Listing(s):** MATH 2243.**MATH 2331 Elementary Linear Algebra****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Matrices, solutions of linear systems, vector spaces and subspaces, orthogonality, determinants, eigenvalues and eigenvectors, linear transformation, diagonalization, and applications.

Prerequisite(s): A minimum grade of "C" in MATH 1441.**MATH 2332 Mathematical Structures****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Topics include mathematical logic, methods of proofs, induction, set theory, relations, and functions. The course is primarily intended for mathematics and mathematics education majors as a first course in studying proof techniques and foundations of mathematics.

Prerequisite(s): MATH 1441, with a minimum grade of "C".**MATH 2430 Computing Techniques****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Fundamentals of numerical methods and development of programming techniques with implementation in the computer solution of problems in engineering.

Prerequisite(s): CSCI 1301 or ENGR 1731 and MATH 2242 and PHYS 2211.**Corequisite(s):** MATH 3230.**MATH 3032 Foundations of Data Analysis and Geometry****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of basic probability, statistics and geometry, including two and three dimensional shapes and triangle congruenced similarity. For Early Childhood and Middle Grade majors only.

Prerequisite(s): MATH 2008 with a minimum grade of "C".**MATH 3130 College Geometry****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of absolute and Euclidean geometry.

Prerequisite(s): MATH 2332 with a minimum grade of "C".**MATH 3230 Ordinary Differential Equations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The study of differential equations involving functions of one variable. Topics include: linear and non-linear differential equations, initial value problems, existence and uniqueness theorems, systems of differential equations, stability, computational methods and Laplace transform methods.

Prerequisite(s): A minimum grade of "C" in MATH 2242.**Cross Listing(s):** MATH 3230H.**MATH 3230H Ordinary Differential Equations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The study of differential equations involving functions of one variable. Topics include: linear and non-linear differential equations, initial value problems, existence and uniqueness theorems, systems of differential equations, stability, computational methods and Laplace transform methods.

Prerequisite(s): A minimum grade of "C" in MATH 2242.**Cross Listing(s):** MATH 3230.**MATH 3337 Probability****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to probability, random variables and discrete and continuous probability distributions for students in mathematics, engineering and the sciences including the social sciences and management science.

Prerequisite(s): MATH 2242, with a minimum grade of "C".**MATH 4630 Game Theory****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is designed to introduce students to the foundations of game theory and its applications. Students will use reasoning skills to deal with concepts of games, networks, economic development, and warfare.

Prerequisite(s): MATH 2331 and MATH 2130 or MATH 2332, with a minimum grade of "C".

MATH 4825H Honors Research**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Independent research under the guidance of a faculty member in the Department of Mathematical Sciences for mathematics majors in the University Honors Program. Students must complete four credit hours over two semesters to complete the honors requirements.

Prerequisite(s): Requires Junior status in Mathematics Program and good standing in the University Honors Program.

MATH 4890 Directed Study in Mathematics**1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Directed study under faculty supervision. Well prepared math majors may be permitted to enroll in an independent study upon the recommendation of a Mathematics faculty member.

Prerequisite(s): Permission of instructor and Department Chair required.

MATH 4920 Undergraduate Seminar**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

A specialized study of various topics in mathematics with the intention to engage students in independent reading, writing and presentation of these topics under the supervision of mathematics faculty.

Prerequisite(s): MATH 2332 and MATH 2243, with a minimum grade of "C".

MATH 4929H Honors Thesis**2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Written and oral presentation of results of research conducted in MATH 4825H (Honors Research). Honors thesis must follow the guidelines adopted by the University Honors Program. This course is required for mathematics majors in the University Honors Program.

Prerequisite(s): A minimum grade of "C" in MATH 4825H; Junior level or above, and good standing in the University Honors Program.

MATH 4930 Senior Research Project**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Main objective of this course is to engage senior undergraduate students in mathematical, statistical or computer science research and writing. Students will select advisors to work with on their projects. At least one oral presentation on the progress of their research during the semester is required. Also, a final written report on the project as well as a final oral presentation is required.

Prerequisite(s): Students must have at least 15 credit hours of upper level mathematics, statistics and/or computer science.

MATH 5090 Selected Topics in Mathematics**1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.**

Specialized study in a selected area of Mathematics. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): Permission of instructor required.

Cross Listing(s): MATH 5090G.

MATH 5130 Statistics and Probability for K-8 Teachers**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An in-depth study of topics in statistics, such as sampling and data analysis, and probability, such as counting methods, odds, and expected value. For Early Childhood and Middle Grade majors only.

Prerequisite(s): MATH 3032 with a minimum grade of "C".

MATH 5135 Algebraic Connections for K-8 Teachers**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The evolution of algebraic concepts through the curriculum will be followed by how algebra is related to other areas of mathematics and real-world applications. For Early Childhood and Middle Grade majors only.

Prerequisite(s): MATH 3032 with a minimum grade of "C".

MATH 5136 History of Mathematics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the historical development of mathematics. The emphasis will be on mathematical concepts, problem solving, and pedagogy from a historical perspective. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in MATH 2242.

Cross Listing(s): MATH 5136G.

MATH 5137 Geometry for K-8 Teachers**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A continuation of the study of geometry from MATH 3032. Focus will be on two and three dimensional geometry. Motion geometry and tessellations will also be covered. For Early Childhood and Middle Grade majors only.

Prerequisite(s): MATH 3032 with a minimum grade of "C".

MATH 5180 Math for Middle School Teacher**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.****MATH 5190 Algebra and Geometry Teach****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****MATH 5230 Advanced Geometry****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Selected topics from Euclidean and Non-Euclidean Geometry. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in MATH 3130 or one year of teaching high school mathematics.

Cross Listing(s): MATH 5230G.

MATH 5232 Mathematical Applications Using Technology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Selected mathematical topics used in research, problem solving, and demonstrations will be investigated with the use of current technologies. Intended for mathematics education majors. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in MATH 2243 and 3 hours of mathematics in the junior level or above.

Cross Listing(s): MATH 5232G.

MATH 5234 Number Theory**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the principal ideas of elementary number theory: Divisibility, congruencies, linear Diophantine Equations, Fermat's Theorem, Euler's Theorem, Pythagorean triples and the distribution of primes. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): MATH 2332 with a minimum grade of "C".

Cross Listing(s): MATH 5234H.

MATH 5234H Number Theory (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the principal ideas of elementary number theory: Divisibility, congruencies, linear Diophantine Equations, Fermat's Theorem, Euler's Theorem, Pythagorean triples and the distribution of primes. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): MATH 2332 with a minimum grade of "C".

Cross Listing(s): MATH 5234.

MATH 5236 Patterns of Problem Solving
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of patterns involved in solving problems. Particular attention is paid to Polya's heuristics and his characterization of the problem solving process. The student will also solve many problems. The application of these techniques by mathematics teachers will be stressed. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in MATH 1441 or permission of instructor.

Cross Listing(s): MATH 5236G.

MATH 5330 Operations Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduction to basic deterministic and probabilistic operations research models of decision problems. Mathematical methods of optimization for these models will be analyzed both analytically and numerically. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): MATH 2331 and MATH 3337 with a minimum grade of "C".

MATH 5331 Analysis I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides a transition from calculus to real analysis. Emphasis will be placed on understanding and constructing mathematical proofs. Rigorous development of fundamental concepts in analysis, including topics such as relations, functions, limits of functions, cardinality, topology of the reals, completeness axiom, compact sets, sequences, subsequence, continuity and differentiability. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): MATH 2243 and MATH 2332, with a minimum grade of "C".

MATH 5332 Analysis II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A continuation of Analysis I, including topics such as Riemann integration, infinite series, sequences and series of functions, metric spaces, and normed spaces. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): MATH 5331 or MATH 5331G, with a minimum grade of "C".

MATH 5333 Modern Algebra I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an introduction to the fundamental algebraic structures: groups, rings and fields. Topics covered include: binary operations, groups (permutation groups, subgroups, cyclic groups, group homomorphisms, factor groups), rings (integral domains, ring homomorphisms) and fields. The historical and mathematical connections to the secondary mathematics curriculum will be incorporated as appropriate. Graduate students will be given an extra assignment not required of undergraduate students.

Prerequisite(s): MATH 2332 with a minimum grade of "C".

MATH 5334 Modern Algebra II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A continuation of the study of the fundamental algebraic structures. Topics to be covered include: isomorphism of groups, rings, fields, a deeper study of quotient structures and the isomorphism theorems, field of quotients, factorization of polynomials over a field, arithmetic properties of rings of polynomials over fields, extension fields, algebraic extensions, geometric constructions and the classic problems. Graduate students will be given an extra assignment not required of undergraduate students.

Prerequisite(s): MATH 5333 or MATH 5333G, with a minimum grade of "C".

MATH 5335 Intermediate Linear Algebra
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

General vector spaces and bases, linear operators, least squares problems, eigenvalue problems, and applications of these concepts. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): MATH 2331 and MATH 2332, with a minimum grade of "C".

MATH 5336 Applied Numerical Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduction to scientific computation. Solutions of linear and nonlinear equations, polynomial interpolation, numerical differentiation and integration, data fitting, and other numerical methods. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in MATH 2331 and prior knowledge of a programming language.

Cross Listing(s): MATH 5336G.

MATH 5337 Difference Equations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an introduction to the theory and applications of difference equations. Topics include the difference calculus, first order linear difference equations, results and solutions of linear equations, applications, equations with variable coefficients and nonlinear equations that can be linearized. Graduate students will be given an extra assignment not required of undergraduate students.

Prerequisite(s): MATH 2242 and MATH 2331, with a minimum grade of "C".

MATH 5338 Methods of Applied Mathematics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Methods of applied mathematics concentrating on techniques for the analysis of differential and integral equations. Topics include: Integral equations, differential operators, Fredholm alternative, distribution theory and Green's function methods. Graduate students will be given an extra assignment not required of undergraduate students.

Prerequisite(s): MATH 3230 and MATH 2331, with a minimum grade of "C".

MATH 5339 Partial Differential Equations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The study of differential equations involving functions of more than one variable. Topics include: Laplace, heat and wave equations, boundary value problems, methods of separation of variables and eigenfunction expansions, Fourier series, Green's functions, maximum principle and computational methods. Graduate students will be given an extra assignment not required of undergraduate students.

Prerequisite(s): MATH 3230 and MATH 2243, with a minimum grade of "C".

MATH 5430 Introduction to Mathematical Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to applications of mathematics to various biological, ecological, physiological, and medical problems, which will be analyzed both analytically and numerically. Graduate students will be given additional assignments that will not be completed by undergraduate students.

Prerequisite(s): MATH 3230 with a minimum grade of "C".

MATH 5431 Combinatorics and Graph Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The course covers basic theory and applications of combinatorics and graph theory. Combinatorics is a study of different enumeration techniques of finite but large sets. Topics that will be studied include principle of inclusion and exclusion, generating functions and methods to solve difference equations. Graph theory is a study of graphs, trees and networks. Topics that will be discussed include Euler formula, Hamilton paths, planar graphs and coloring problem; the use of trees in sorting and prefix codes; and useful algorithms on networks such as shortest path algorithm, minimal spanning tree algorithm and min-flow max-cut algorithm. Graduate students will be given extra assignments determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): MATH 2332 and MATH 3337, with a minimum grade of "C".

MATH 5433 Differential Geometry of Curves and Surfaces
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Differential geometry uses tools from calculus and linear algebra to study the geometric properties of smooth curves and surfaces in Euclidean spaces. Topics include: arc length surface area, geodesics, curvature, first and second fundamental forms, Gauss-Bonnet formula. Graduate students will be assigned additional assignments and/or project.

Prerequisite(s): MATH 2243 and MATH 2331, with a minimum grade of "C".

MATH 5434 Functions of a Complex Variable
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Topics in complex variables including functions, limits, derivatives, integrals, the Cauchy-Riemann conditions, series representation of functions, Cauchy Integral formula, and elementary conformal mappings. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): MATH 2332 with a minimum grade of "C".

MATH 5435 Introduction to Topology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to metric spaces, topological spaces, connectedness and compactness of topological spaces, and continuous functions on topological spaces. Graduate students enrolled in this course will complete one or more assignments that the undergraduate students will not be required to complete.

Prerequisite(s): A minimum grade of "C" in MATH 2332.

Cross Listing(s): MATH 5435G.

MATH 5436 Introduction to Fractals
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Fractals as nonlinear systems involving feedback and iteration. Classical fractals, limits and self-similarity. Fractal dimensions. Encoding of fractals. Decoding of fractals. Iterated function systems. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in MATH 5331 or MATH 5331G.

MATH 5437 Mathematics and Computation of Curves and Surfaces
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is a study of the mathematical and computational techniques used for the computer generation of curves and surfaces. The primary representations for the curves and surfaces are univariate and multivariate polynomials and splines in the Bernstein/Bezier and B-spline bases. These curves and surfaces are used for data fitting (interpolation and smoothing) and approximation. Topics include: recursion, smoothness, surfaces over grids, surfaces over triangulations, simplex and box splines, variational curves and surfaces, transformations and projections. Graduate students will be given an extra assignment not required of undergraduate students.

Prerequisite(s): MATH 2331 and MATH 2243, with a minimum grade of "C".

MATH 5530 Mathematics for Scientists and Engineers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A survey of mathematical topics useful in the study of areas of applied sciences such as physics, engineering and computer science. Topics include: linear algebra and matrices, ordinary differential equations, partial differential equations, Fourier series, vector calculus, complex variables, numerical methods, probability and graph theory. For non-math majors only. Graduate students will be given an extra assignment not required of undergraduate students.

Prerequisite(s): MATH 2242, with a minimum grade of "C".

MATH 5539 Mathematical Models
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course introduces students to a variety of mathematical tools used for solving real world problems, with the focus on identifying the problem, constructing an appropriate model, and finding the best available method to solve it. Graduate students will be given an extra assignment not required of undergraduate students.

Prerequisite(s): A minimum grade of "C" in MATH 3230, MATH 2331.

MENG Mechanical Engineering

MENG 1310 Manufacturing Processes Lab
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

This course covers hands on introduction to various manufacturing, machining and fabrication processes including welding, thread cutting, and machining using lathe and mill.

MENG 2110 Mechanical Engineering Case Studies in Design & Analysis
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

The course includes fundamental techniques for creating, analyzing, synthesizing, and implementing design solutions to open-ended problems through team and individual efforts utilizing flexibility, adaptability, and creativity.

Prerequisite(s): A minimum grade of "C" in ENGR 1133.

MENG 2139 Numerical Methods in Engineering
0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

Mathematical modeling and numerical solution of engineering related problems with emphasis on solution of linear and nonlinear equations, matrices, vectors, statistical data analysis, curve fitting, ordinary and partial differential equations.

Prerequisite(s): MATH 2242 and ENGR 1731.

MENG 2139H Numerical Methods in Engr
0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

Mathematical modeling and numerical solution of engineering related problems with emphasis on solution of linear and nonlinear equations, matrices, vectors, statistical data analysis, curve fitting, ordinary and partial differential equations.

Prerequisite(s): MATH 2242 and ENGR 1731.

MENG 3010 Leveling Topics in Statics
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

This course introduces the vector methods in solving Statics problems. It also covers three dimensional problems and advanced topics in friction. This is the leveling course to bridge the gap between the Statics course required for the Engineering Technology and the Engineering program.

Prerequisite(s): TENS 2142.

MENG 3011 Leveling Topics in Dynamics
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

This course introduces the vector methods in solving Dynamics problems. It also covers advanced topics in Dynamics, such as, impulse momentum and work energy principles for bodies and three dimensional problems. This is the leveling course to bridge the gap between the Dynamics course required for the Engineering Technology and the Engineering program.

Prerequisite(s): TENS 2142.

MENG 3012 Leveling Topics in Mechanics of Materials**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

This course covers the advanced topics of mechanics of materials to bridge the gap between the strength of materials required for the technology program and the mechanics of materials for the engineering program. The course will cover advanced topics, such as, double integration method for beam theory, eccentrically loaded column, theories of failures and thick pressure vessel.

Prerequisite(s): TENS 2143.**MENG 3015 Leveling Topics in Electrical Circuits****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

This course covers the advanced topics in Electrical Circuits and Electronics. The course covers the control part of Circuit Analysis to bridge the gap between the Electrical Devices and Measurement required for the technology program and the Electronics and Electrical Circuits required in the engineering program.

Prerequisite(s): TMET 2521.**MENG 3016 Leveling Topics in Fluid Mechanics****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

This is the leveling course to bridge the gap between the Fluid Mechanics course required for the Engineering Technology and the Engineering program. It includes the integral form of governing equations, viscous flow with boundary layer theory, differential analysis of fluid motion equations, and dimensional analysis and similitude. Differential equations will be used to derive fluid flow problems with boundary conditions for steady flow and initial conditions for unsteady flow.

Prerequisite(s): TENS 2144, TENS 2135, TMET 3233.**MENG 3130 Mechanism Design****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers detailed concepts, functions and knowledge of the components of mechanisms, machine components and design tools. Analytical, mathematical and computer techniques for kinematic and dynamic analysis of mechanisms and machine components are introduced. A comprehensive project covers the mechanism synthesis and design experience using analytical and computer simulation tools.

Prerequisite(s): A minimum grade of "C" in ENGR 2232 or permission of instructor.**MENG 3135 Machine Design****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Modes of failures including both static and dynamic failure theories will be introduced in the course. Detailed design of Machine Components such as transmission shafts, keys, couplings, bearings, springs, gears, clutches, brakes and fasteners will also be discussed.

Prerequisite(s): A minimum grade of "C" in ENGR 3233 and MENG 2110 or permission of instructor.**MENG 3233 Heat Transfer****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will be an introduction to basic energy transport by conduction, convection, and radiation with applications to heat exchanger, extended surfaces etc.

Prerequisite(s): MATH 2243 and MATH 3230 and a minimum grade of "C" in ENGR 3431 and ENGR 3235 or permission of instructor.**Cross Listing(s):** 3233H.**MENG 3233H Heat Transfer (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will be an introduction to basic energy transport by conduction, convection, and radiation with applications to heat exchanger, extended surfaces etc.

Prerequisite(s): MATH 2243 and MATH 3230 and a minimum grade of "C" in ENGR 3431 and ENGR 3235 or permission of instructor.**Cross Listing(s):** MENG 3233.**MENG 3331 Materials Science Studio****0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.**

The study of engineering materials such as metals, alloys, polymers, ceramics, and composites. Atomic structure and arrangement; control of the microstructure and mechanical properties, solidification, cooling curves and phase diagrams, mechanical testing, and strengthening mechanisms. Laboratory includes problem solving sessions and experiments on materials related to strengths, toughness, solidification, and metallography.

Prerequisite(s): A minimum grade of "C" in CHEM 1147 and ENGR 3233.**MENG 3333 Materials Processing Studio****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

The course covers the study of traditional and modern processing techniques. The course will cover applications and use of different materials and their processing, metal-casting processes and equipment, forming and shaping processes and equipment, joining processes and equipment, molding, extrusion and fabrication of polymers, and composites processing and techniques. Laboratory includes problem solving sessions, experiments, and hands-on processing of materials.

Prerequisite(s): MENG 3331 and MENG 1310 or Permission of Instructor.**MENG 3333H Materials Processing Studio****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

The course covers the study of traditional and modern processing techniques. The course will cover applications and use of different materials and their processing, metal-casting processes and equipment, forming and shaping processes and equipment, joining processes and equipment, molding, extrusion and fabrication of polymers, and composites processing and techniques. Laboratory includes problem solving sessions, experiments, and hands-on processing of materials.

Prerequisite(s): MENG 3331 and MENG 1310 or Permission of Instructor.**MENG 3521 Mechatronics Studio Laboratory****2 Credit Hours. 0 Lecture Hours. 4 Lab Hours.**

Laboratory instruction in the theory and practice of engineering measurements and their application to controlled activities. A familiarity with traditional measuring devices, and a proficiency with data acquisition packages will be developed. The packaging of results in reports and presentations will be emphasized.

Prerequisite(s): A minimum grade of "C" in ENGR 2131 and ENGR 3233 or permission of instructor.**MENG 4210 Energy Science Laboratory****1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

The course includes laboratory activities in support of instruction in Thermodynamics and heat transfer.

Prerequisite(s): A minimum grade of "C" in MENG 3233, ENGR 3431, ENGR 3235, MENG 3521 or permission of instructor.**MENG 4430 Engineering Quality Control and Project Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course will introduce students to basic tools of engineering economy such as; interest rates, cash flow analysis, cost benefit analysis, and depreciation analysis that are used in comparing and evaluating multiple engineering projects on the basis of quantitative monetary parameters. Students will additionally be introduced to basic quality control techniques such as quality control charts and Six Sigma techniques for assuring product quality.

Prerequisite(s): MENG 2110, MENG 3135, MENG 3333.**MENG 4612 Mechanical Engineering Senior Seminar****1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.**

Students are introduced to topics essential for improving performance on the Fundamentals of Engineering Exam. Topics such as engineering economy, ethics, and global citizenship are reinforced, while topics such as electrical devices, mechanics, energy science, and numerical methods are reviewed.

Prerequisite(s): MATH 2243 and a minimum grade of "C" in ENGR 2131, ENGR 2232, ENGR 3233, ENGR 3235, MENG 2139, MENG 3233, MENG 3331.

MENG 4899 Directed Study in Mechanical Engineering
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

An individualized study involving research and applications pertaining to Mechanical Engineering.

Prerequisite(s): Senior standing, prior identification of a problem or study area, and permission of instructor.

MENG 5090 Selected Topics in Mechanical Engineering
1-3 Credit Hours. 1-3 Lecture Hours. 1-6 Lab Hours.

This course provides for study of Mechanical Engineering course topics not generally offered by the program.

Cross Listing(s): MENG 5090G.

Prerequisite(s): Senior standing or Permission of instructor.

MENG 5135 Vibration and Preventive Maintenance
0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

Free and Forced Vibration of one and multi-degree of freedom systems will be covered. Applications of vibration analysis for preventive maintenance of mechanical systems will be introduced. Laboratories include basic vibration analysis and its applications.

Cross Listing(s): MENG 5135G.

Prerequisite(s): MENG 3521, MENG 3130, MATH 3230 or Permission of instructor.

MENG 5136 Introduction to Finite Element Analysis
0,3 Credit Hours. 0,1 Lecture Hours. 0,4 Lab Hours.

This course will introduce students to the fundamentals of Finite Element Analysis. The students will develop a working knowledge of a commercial FEA software package and will model and analyze mechanical and thermal engineering systems using that software. The students will additionally develop an ability and competence in interpretation and analysis of FEA results.

Prerequisite(s): A minimum grade of "C" in ENGR 2112, ENGR 3235, MENG 2139, MENG 3135, MENG 3233 or permission of instructor.

Cross Listing(s): MENG 5136G, MENG 5136H.

MENG 5136H Intro to FEA (Honors)**0,3 Credit Hours. 0,1 Lecture Hours. 0,4 Lab Hours.**

This course will introduce students to the fundamentals of Finite Element Analysis. The students will develop a working knowledge of a commercial FEA software package and will model and analyze mechanical and thermal engineering systems using that software. The students will additionally develop an ability and competence in interpretation and analysis of FEA results.

Prerequisite(s): A minimum grade of "C" in ENGR 2112, ENGR 3235, MENG 2139, MENG 3135, MENG 3233 or permission of instructor.

Cross Listing(s): MENG 5136, MENG 5136G.

MENG 5137 Mechanical System Design**3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

This is a senior design course requiring that students call upon all of their academic preparations in developing the solution of mechanical system problems. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.

Prerequisite(s): MENG 3130, MENG 3135, MENG 3233, MENG 3333, MENG 3521, a minimum grade of "C" in ENGR 2112, ENGR 3235.

Cross Listing(s): MENG 5137H, MENG 5137G.

MENG 5137H Mechanical System Design**3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

This is a senior design course requiring that students call upon all of their academic preparations in developing the solution of mechanical system problems.

Prerequisite(s): MENG 3130, MENG 3135, MENG 3233, MENG 3333, MENG 3521, a minimum grade of "C" in ENGR 2112, ENGR 3235.

Cross Listing(s): MENG 5137, MENG 5137G.

MENG 5138 Composite Materials: Manufacturing, Analysis, and Design**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This course introduces basics of fiber reinforced, and laminated composites, anisotropic theory, stress analysis, design and testing of composite materials. Topics include an overview of structure and processing of composite materials, classification of anisotropy, anisotropic constitutive models, classical laminate theory, failure theories, and test methods. The knowledge will be applied to a design of simple composite structural elements. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.

Prerequisite(s): A minimum grade of "C" in MENG 3135, MFGE 3131, MENG 3333, MFGE 3531, permission of instructor.

Cross Listing(s): MENG 5138G.

MENG 5233 Wind Energy**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course provides an in-depth introduction to modern wind turbine technology and the development of the wind power industry. Students will learn general characteristics of the wind resource and the atmospheric boundary layer. They will also learn how to analyze wind data, estimate wind resources and use statistical techniques to estimate wind turbine energy production. Aerodynamic characteristics of various turbine (HAWT and VAWT) models design, blade design, airfoils design, blade number effect and optimization techniques will be discussed theoretically and computationally for various applications. This course provides the general principles of wind turbine loads, mechanics, rotor dynamics, and methods for modeling turbine structural response. Electrical aspects of wind turbines, turbine control, turbine materials and components will also be studied, as well as, turbine design and testing, wind turbine siting, system design, and integration. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.

Prerequisite(s): MATH 2243, MENG 3130, MENG 3135 and MENG 3521 and a minimum grade of "C" in ENGR 2231, ENGR 3233 ENGR 3235, ENGR 2112.

Cross Listing(s): MENG 5233G.

MENG 5234 Heating, Ventilating, and Air Conditioning**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This is an introductory course in Heating, Ventilating, and Air Conditioning (HVAC) systems. In this course HVAC processes are analyzed and load calculations are performed in accordance with American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) practices. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.

Prerequisite(s): A minimum grade of "C" in ENGR 3431, ENGR 3235, MENG 3233 or permission of instructor.

Cross Listing(s): MENG 5234G.

MENG 5235 Combustion**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This course is an introduction to the fundamentals of combustion processes, thermochemistry, chemical kinetics, simple chemical reactors, premixed and nonpremixed combustion, turbulent combustion and its practical applications including pollutant emissions. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.

Prerequisite(s): ENGR 3235, ENGR 3431, MENG 3233 or Permission of Instructor.

Cross Listing(s): MENG 5235G.

MENG 5237 Applied Combustion**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course is an introduction to the fundamentals of combustion processes, thermochemistry, chemical kinetics, simple chemical reactors, premixed and nonpremixed combustion, turbulent combustion and its practical applications, biofuel combustion, fuel surrogates, and pollutant emissions. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.

Prerequisite(s): A minimum grade of "C" in MENG 3233.**Cross Listing(s):** MENG 5237G.**MENG 5238 Engine Development and Performance****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

The design, development, operation, and environmental impact of internal combustion engines will be presented in this course with an engineering emphasis. Additionally, cycle evaluation and analysis of the energy systems, the efficiency and power generation, their benefits and costs will be determined. Graduate students will complete a more challenging final exam and they will be required to complete a more advanced capstone design project that involves a class presentation and more advanced technical analysis.

Prerequisite(s): MENG 3521 and MENG 3233.**Cross Listing(s):** MENG 5238G.**MENG 5239 Biofuels Testing****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

The development of biofuels for engine operation and their environmental impact will be presented with an engineering emphasis. Additionally, life cycle evaluation, analysis of the energy systems and their efficiency with biofuels, together with benefits and costs will be determined. Graduate students will be required to complete a more advanced capstone design project that involves a class presentation and a more advanced technical analysis.

Prerequisite(s): MENG 3233 and a minimum grade of "C" in ENGR 3431.**Cross Listing(s):** MENG 5239G.**MENG 5331 Automation and Computer Integrated Manufacturing Systems****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This course will cover the fundamental concepts in manufacturing, automation, and various topics in production and control systems. These include numerical control, industrial robots, computer integrated manufacturing systems, flexible manufacturing system, and process monitoring and control. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.

Prerequisite(s): A minimum grade of "C" in ENGR 1133, ENGR 1731, MFG 2534, MENG 3333, MFG 2533 or permission of instructor.**Cross Listing(s):** MENG 5331G.**MENG 5333 Robot Dynamics, Design and Analysis****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

An integrated treatment of robot kinematics, dynamics and control is introduced with an emphasis on analysis, design and programming of robots and their applications. Topics include planar and spatial kinematics, and motion planning; mechanism design for manipulators and mobile robots; forward and inverse kinematics, differential kinematics, manipulability, workspace design; planar and spatial multi-rigid-body-dynamics, dynamic models of robots; introduction to computer vision; robot programming; and robot control. Students will be engaged in laboratory activities to study kinematics, dynamics, programming and real-time control of robotic systems that include manipulators, mobile robots, and unmanned aerial vehicles (UAVs). Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.

Prerequisite(s): MENG 3521 and MENG 3130.**Cross Listing(s):** MENG 5333G.**MENG 5431 Compressible Flow****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course introduces the basic equations and concepts of compressible flow. The generalized equations and solutions are developed and solved for: one-dimensional moving and normal shocks, oblique shocks, expansion fans, compressible flow with friction, and compressible flow with heat transfer. Software will be utilized to solve compressible flow problems. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.

Prerequisite(s): MENG 3233.**Cross Listing(s):** MENG 5431G.**MENG 5432 Applied Computational Fluid Dynamics****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course introduces the numerical techniques applied to the solution of fluid flow and heat transfer problems. The Finite Difference and Finite Volume methods are used to discretize and numerically solve the governing equations of heat transfer and fluid mechanics. Commercial computational fluid dynamics software is utilized for the analysis of heat transfer and fluid mechanics problems. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.

Prerequisite(s): MENG 3233.**Cross Listing(s):** MENG 5432G.**MENG 5536 Mechanical Controls****0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.**

An understanding of the elements of classical control theory will be developed. Students will be introduced to the concept of feedback and its properties; the concept of stability and stability margins; and the different tools that can be used to analyze these properties. Students will also develop a working knowledge of the basics of linear control techniques. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.

Prerequisite(s): MENG 3521, MENG 3130, MENG 2139 or Permission of Instructor.**Cross Listing(s):** MENG 5536H, MENG 5536G.**MENG 5536H Mechanical Controls (Honors)****0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.**

An understanding of the elements of classical control theory will be developed. Students will be introduced to the concept of feedback and its properties; the concept of stability and stability margins; and the different tools that can be used to analyze these properties. Students will also develop a working knowledge of the basics of linear control techniques.

Prerequisite(s): MENG 3521, MENG 3130, MENG 2139 or Permission of Instructor.**Cross Listing(s):** MENG 5536, MENG 5536G.**MENG 5891 Special Problems in Mechanical Engineering)****1-6 Credit Hours. 0 Lecture Hours. 2-12 Lab Hours.**

Individual and specialized study in the areas of mechanical engineering not otherwise covered in the students' curriculum. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.

Prerequisite(s): Senior standing and identification of a problem or study area and permission of instructor.**Cross Listing(s):** MENG 5891G.

MFGE Manufacturing Engineering

MFGE 2142 Mechanical Analysis and Design **4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

This course provides a survey of engineering mechanics, mechanics of materials, and machine design concepts as they apply to manufacturing engineering. In detail, the following issues will be included and addressed: definition and analysis of free body diagrams. static equilibrium, stress and strain, mechanical properties of materials, axially loaded members, torsion of circular sections, bending of beams, transformation of stress and strain, design of beams, and buckling of columns.

Prerequisite(s): A minimum grade of "C" in MATH 2242 and PHYS 2211.

MFGE 2421 Modeling & Prototyping **2 Credit Hours. 0 Lecture Hours. 4 Lab Hours.**

Students will develop a working ability to use parametric solid modeling software. In addition to creating solid models, students will develop a basic proficiency in structures and thermal analysis software. They will also gain insight into rapid prototyping principles three dimensional design and printing in an applied project based setting. Students will gain exposure to additive manufacturing Digital Design to Manufacturing concepts. Students will learn to perform basic finite element analysis of solid models.

Prerequisite(s): A minimum grade of "C" in ENGR 1133 and MFGE 2142.

MFGE 2531 Materials Science Studio for Manufacturing Engineering **3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course covers a broad range of engineering materials with an emphasis on application, use, and manufacturing processes. Students will develop an understanding of relationships between material properties, microstructure and manufacturing processing. Topics include atomic structure and arrangement; control of the microstructure and mechanical properties; solidification, phase diagrams, mechanical testing, strengthening mechanisms, thermosets and thermoplastics, introduction to composites, and selection of materials based upon manufacturing applications. Laboratory activities include studies of mechanical and/or metallurgical tests related to strengths, hardness, toughness, solidification, and metallography of materials with an emphasis on manufacturing processes and techniques.

Prerequisite(s): A minimum grade of "C" in CHEM 1147.

MFGE 2533 Manufacturing Processing 2 Studio **3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course covers theory and hands-on experiences with various forming processes such as casting, forging, extrusion, rolling and drawing. Students will gain insight into the theory of manufacturing processes and will develop competency through lab based hands-on practice and the processing constraints related to the design of products and systems.

Prerequisite(s): A minimum grade of "C" in MENG 1310 and MFGE 2531.

MFGE 2534 Applied Computing in Manufacturing Engineering **3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course provides a survey introduction to programming logic and flowcharting, applications of the principles and techniques of computer numerically controlled machine tools (CNC). G and M code programming of Industrial machines, tooling systems, and an introduction to Computer Aided Manufacturing (CAM) systems will be covered. Manual hands on programming as well as interfacing with professional machining software such as MasterCAM or HSM Works will be incorporated. IT interfacing of components and systems will be introduced, as well as basic control devices such as PLCs.

Prerequisite(s): A minimum grade of "C" in ENGR 1133 and MENG 1310.

MFGE 3131 Design for Manufacturability, Assembly, Sustainability **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study and application of the principles that result in the integration of product design and process planning into one common activity with considerations given to assembly tolerances, fit, and clearance as well as whole –lifecycle usability, recyclability and sustainability. The goal is to design a product that is easily and economically manufactured. Also included is a study of coordinate measurement machine (CMM), metrology and design principles that contribute to enhanced sustainability.

Prerequisite(s): A minimum grade of "C" in MFGE 2142 and MFGE 2533.

MFGE 3132 Quality and Statistical Process Control for Engineers **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Course focuses on the definition of Quality. Introduces students to proactive concepts of quality such as Six Sigma, QFD, FMEA, POKAYOKE, Ishikawa analysis and reactive methods used to ensure quality production through the measurement and maintenance of desired product characteristics in manufacturing processes such as control charts and sampling.

Prerequisite(s): A minimum grade of "C" in MATH 3337 and STAT 3130.

MFGE 3337 Hydraulics, Fluidics, Pneumatics and Electrical Movers **3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Exploration of the basic principles of fluidic (hydraulic and pneumatic) systems and electrical movers as they relate to manufacturing assembly processes and lines, and industrial robotics.

Prerequisite(s): A minimum grade of "C" in ENGR 2131 and MFGE 3421 and MFGE 3541.

MFGE 3421 Industrial Sensors, PLCs and IT Networking Studio **2 Credit Hours. 0 Lecture Hours. 4 Lab Hours.**

This studio laboratory will cover the theory and practice of engineering measurements, measuring devices, and their application to controlled activities in an applied environment. The experimental activities will include the application of traditional measuring devices, development of data acquisition packages, and inner-connectivity and networking of sensors and programmable logic control (PLC) devices with an emphasis on robotics, automation, and manufacturing applications.

Prerequisite(s): A minimum grade of "C" in ENGR 2131 and MFGE 2534.

MFGE 3423 Facilities Design **2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

The goal of this course is to impart an understanding of the basic principles of facilities location, layout, and material handling systems so as to design an efficient manufacturing/service facility. This will be enhanced through hands on practice in designing facilities. Facilities design issues that will be stressed upon will include modeling, design, and analysis techniques. It will try to provide a balance of exposure to available methodologies in facilities location, layout, and material handling with a practical emphasis, not just quantitative evaluation.

Prerequisite(s): A minimum grade of "C" in MFGE 2533.

MFGE 3531 Advanced Materials Processing Studio Laboratory **3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Students will develop both a theoretical and hands-on appreciation for techniques working with plastics, ceramics, composites, nanomaterials, etc.

Prerequisite(s): A minimum grade of "C" in ENGR 1133 and MFGE 2142.

MFGE 3541 Energy Science Studio**4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

A survey of fluid mechanics, thermodynamics, and heat transfer with an emphasis placed upon manufacturing engineering. Fundamentals of fluid statics and fluid dynamics for incompressible fluids, fluid properties, static and dynamic forces, Bernoulli's equation, pipe flow and losses, open channel flow and flow measurement. Thermodynamic properties, state postulate, work interactions, steady-state and transient energy and mass conservation, entropy and the second law. First and Second Law analysis of thermodynamic systems. Gas cycles and vapor cycles. An introduction to basic energy transport by conduction, convection, and radiation with applications to heat exchanger, extended surfaces etc. The laboratory will provide both problem solving and hands on experimentation experiences that support the concepts covered in the lecture.

Prerequisite(s): A minimum grade of "C" in PHYS 2211 and MATH 2242.

MFGE 4090 Special Topics in Manufacturing Engineering**1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.**

This course provides for study of Manufacturing Engineering course topics not generally offered by the program or offered on an introductory or trial basis.

Prerequisite(s): Permission of instructor and department chair.

MFGE 4135 Lean MFG Principals and Engineering Project Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The planning, evaluation, deployment, and integration of lean manufacturing theory and methods. Emphasis on manufacturing processes/equipment and systems, e.g. planning/control, product design, supply chain, and human resource management, JIT, KANBAN, theory of constraints and quick response manufacturing. The course will also include principles of engineering economy that facilitate in the selection of appropriate engineering projects to maximize ROI.

Prerequisite(s): A minimum grade of "C" in MFGE 3132.

MFGE 4321 Manufacturing Engineering Capstone I**2 Credit Hours. 0 Lecture Hours. 4 Lab Hours.**

A capstone project based course that draws on all major curricular themes within the manufacturing engineering program. This course focuses on concurrent product design and development. Key areas include designing with constraints; brainstorming, problem solving, and creativity methods. Students will use design analysis tools, solid modeling, finite element analysis and supply chain management. Student will consider cell needs and limitations to design and develop a product and/or process for mass production in Manufacturing Engineering Capstone II (MFGE 4322).

Prerequisite(s): A minimum grade of "C" in MFGE 3541 and MFGE 3132 and MFGE 3131 and MFGE 3337.

MFGE 4322 Manufacturing Engineering Capstone II**2 Credit Hours. 0 Lecture Hours. 4 Lab Hours.**

A capstone project based course that draws on all major curricular themes within the manufacturing engineering program. This laboratory studio based course focuses on implementation and a production run of the product and or process developed in MFGE 4321. The students will build and test the manufacturing cell to produce a discrete family of parts identified in MFGE 4321. The design of part transfer, tooling, sensing, production control and integrated inspection systems will be emphasized.

Prerequisite(s): A minimum grade of "C" in MFGE 4321 and MFGE 4135 and MFGE 4533.

MFGE 4533 Dynamics and Kinematics of Robotics and Automation Studio**3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

This course will cover topics of the theory of the dynamic and kinematic models of industrial robot, robotic manufacturing operations such as welding and assembly and industrial robots working in unison or in concert in a manufacturing process. The laboratory activities include programming industrial robots to perform pick and place operations, to manipulate components, tools, and instruments through complex trajectories, programming PLCs to coordinate multiple manufacturing operations and programming computers to integrate the communications and information sharing between manufacturing and management systems.

Prerequisite(s): A minimum grade of "C" in MFGE 2142 and MFGE 3337 and MFGE 3421.

MFGE 4614 Senior Seminar: Professional Skills and Leadership**1 Credit Hour. 2 Lecture Hours. 0 Lab Hours.**

Through readings, case studies, small group activities, discussions and guest speakers, students will explore and integrate professional skills relevant to their future careers. An emphasis will be placed upon engineering ethics, professional responsibilities, environmental impact of engineering processes, and technical leadership. a curricular overview that prepares students to take the Society of Manufacturing Engineers' Certification exam or similar.

Prerequisite(s): A minimum grade of "C" in MFGE 3531 and MFGE 3132 and MFGE 3421 and MFGE 3541 and MFGE 2421 and MFGE 3131.

MFGE 4891 Special Problems in Manufacturing Engineering**1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.**

Individual and specialized study in the areas of mechanical engineering that are not otherwise covered in the curriculum. Research project based or practicum experience. Prerequisite(s): Permission of instructor and department chair.

Prerequisite(s): Permission of instructor and department chair.

MFGE 5131 Lean and Six Sigma 1**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This introductory course will emphasize communication using Six Sigma principles. It will help relate six sigma principles to the overall manufacturing mission and objectives. The Five step DMAIC model for organizational and process improvement will be emphasized. A wide range of process improvement techniques with the DMAIC model will be employed. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.

Prerequisite(s): A minimum grade of "C" in MFGE 3132.

Cross Listing(s): MFGE 5131G.

MFGE 5132 Lean and Six Sigma 2**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Graphic and numerical tools to implement DMAIC procedure will be introduced. This includes introduction to Normal distribution, process capability analysis, measurement systems analysis, correlation and regression analysis, statistical process control, value stream mapping as well as the use of six sigma in service based industries. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.

Prerequisite(s): A minimum grade of "C" in MFGE 5131.

Cross Listing(s): MFGE 5132G.

MFGE 5238 Facilities Maintenance**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

An advanced topic course in the area of scheduled and preventative maintenance of automated manufacturing systems. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.

Prerequisite(s): A minimum grade of "C" in MFGE 3337 and MFGE 3423 and MFGE 4533.

Cross Listing(s): MFGE 5238G.

MFGE 5333 Additive Manufacturing Studio
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.

A comprehensive overview of additive manufacturing, spanning from fundamentals to applications and technology trends. Students will learn the principles of additive manufacturing of polymers, metals, and ceramics and how process capabilities (rate, cost, quality) are determined by the material characteristics, process parameters, and machine designs. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.

Prerequisite(s): A minimum grade of "C" in MFGE 2421 and MFGE 3131.
Cross Listing(s): MFGE 5333G.

MFGE 5534 Packaging
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.

This course will introduce functions of packaging and its fundamental characteristics; materials, processes, and technology used in package development; applications of various materials and systems used to package manufactured products. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.

Prerequisite(s): A minimum grade of "C" in MENG 5138 and MFGE 3531.
Cross Listing(s): MFGE 5534G.

MFGE 5535 NanoManufacturing
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.

This course provides a survey introduction of nanoscience and technologies of micro-fabrication and nano-manufacturing. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.

Prerequisite(s): A minimum grade of "C" in MFGE 3531 and MENG 5138.
Cross Listing(s): MFGE 5535G.

MGED Middle Grades Education

MGED 3131 Nature and Curriculum Needs of the Middle Grades Learner**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Examines the curriculum, instruction and organization of middle grades schools. Provides a substantial knowledge base in the nature and needs of early adolescents, as well as, in middle school curriculum and instruction. The course also includes a field component.

Prerequisite(s): Admission to Teacher Education.

MGED 3232 Methods of Teaching Science in the Middle Grades
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.

Provides an overview of the basic program of science instruction in the middle grades. Research in science education, teaching techniques and methods applicable for this age level, and organization of lessons are studied. Emphasis will be placed on science concepts and principles, an application of concepts to real life situations, science and technology and the development and implementation of hands-on activities. Includes a field based component which requires planning and teaching a science unit in a middle school classroom.

Prerequisite(s): A minimum grade of "C" in MGED 3332, MGED 3432, MGED 3731, SPED 3332, and admission to Teacher Education Program.
Corequisite(s): MGED 3532, MGED 3712, MGED 3722.

MGED 3332 Methods of Teaching Language Arts/Reading in the Middle Grades**3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

Designed to study current trends for integrating language arts across the curriculum in the middle school setting. Emphasis is placed on the natural connections between writing, reading and oral expression. Instructional strategies that link writing, reading, literature and language across the curriculum will be explored. Appropriate language arts curriculum, including content and pedagogy, for early adolescents will be addressed. Students will plan and teach an integrated language arts/social studies unit in a middle school classroom.

Prerequisite(s): A minimum grade of "C" in all of the following: MGED 3131 and prior or concurrent enrollment in MSED 5333 and SPED 3332; and Admission to Teacher Education Program.

Corequisite(s): MGED 3432 and MGED 3731.

MGED 3432 Methods of Teaching Social Studies in the Middle Grades
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.

A study of the role of social studies in the education of early adolescents, with emphasis on understanding the historical and philosophical foundations of social studies, curriculum organization, planning and evaluation of instruction, social studies techniques and materials appropriate for early adolescent learners and current trends in social studies. Students will plan and teach an integrated social studies/language arts unit in a middle school classroom.

Prerequisite(s): A minimum grade of "C" in all of the following: MGED 3131 and prior or concurrent enrollment in MSED 5333 and SPED 3332; and Admission to Teacher Education Program.

Corequisite(s): MGED 3332 and MGED 3731.

MGED 3532 Methods of Teaching Mathematics in the Middle Grades
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.

A study of teaching methods and materials, curriculum content, assessment strategies, and trends in middle grade mathematics. A field based component which requires planning and teaching a mathematics unit in a middle grade classroom is required.

Prerequisite(s): A minimum grade of "C" in MGED 3332, MGED 3432, MGED 3731, SPED 3332, and admission to Teacher Education Program.

Corequisite(s): MGED 3232, MGED 3712, MGED 3722.

MGED 3712 Middle School Practicum III**1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.**

This practicum involves structured observations, as well as planning and teaching individual lessons and activities in mathematics or science in a middle grades classroom. Emphasis is placed on content, classroom management, classroom environment, instructional strategies for diverse populations of students, integration of technology, and assessment of student learning.

Prerequisite(s): A minimum grade of "C" in MGED 3332, MGED 3432, MGED 3731, SPED 3332, and admission to Teacher Education Program.

Corequisite(s): MGED 3232, MGED 3532, MGED 3722.

MGED 3722 Middle School Practicum II**2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This practicum involves structured observations, as well as planning and teaching an instructional unit in mathematics or science in a middle grades classroom. Emphasis is placed on content, classroom management, classroom environment, instructional strategies for diverse populations of students, integration of technology, and assessment of student learning.

Prerequisite(s): A minimum grade of "C" in MGED 3332, MGED 3432, SPED 3332, and admission to Teacher Education Program.

Corequisite(s): MGED 3232, MGED 3532, MGED 3712.

MGED 3731 Middle School Practicum I
3 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

This practicum involves structured observations, as well as planning and teaching an integrated language art/social studies instructional unit in a middle grades classroom. Emphasis is placed on classroom management, instructional strategies for diverse populations of students, the integration of technology, classroom environment, and assessment of student learning.

Prerequisite(s): A minimum grade of "C" in all of the following: MGED 3131 and prior or concurrent enrollment in MSED 5333 and SPED 3332; and Admission to Teacher Education Program.

Corequisite(s): MGED 3332 and MGED 3432.

MGED 4632 Seminar in Middle Grades Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed as a culminating activity for middle grades students to apply educational theory and research to their classroom practice. Emphasis is placed on analysis of student learning and teaching effectiveness through development of a portfolio that documents and reflects on planning, assessment and instruction in the middle grades classroom.

Prerequisite(s): A minimum grade of "C" in MGED 3232, MGED 3532, MGED 3712, and MGED 3722.

Corequisite(s): MGED 5799.

MGED 5799 Student Teaching in Middle Grades Education
9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A period of guided teaching during which the candidate, under the direction of a clinical supervisor, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities.

Prerequisite(s): Completion of the teaching field and professional education courses and admission to the Student Teaching Program.

Cross Listing(s): MGED 5799G.

MGNT Management

MGNT 3130 Principles of Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides an overview of the management function, with emphasis on managerial planning, organizing, leading, and controlling.

Prerequisite(s): Students with declared majors in other fields must have completed a minimum of 55 semester hours.

Cross Listing(s): MGNT 3130S, MGNT 3130H.

MGNT 3130H Principles of Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides an overview of the management function, with emphasis on managerial planning, organizing, leading, and controlling.

Prerequisite(s): Students with declared majors in other fields must have completed 55 semester hours.

Cross Listing(s): MGNT 3130S, MGNT 3130.

MGNT 3130S Principles of Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides an overview of the management function, with emphasis on managerial planning, organizing, leading, and controlling.

Prerequisite(s): Students with declared majors in other fields must have completed a minimum of 55 semester hours.

Cross Listing(s): MGNT 3130, MGNT 3130H.

MGNT 3134 Behavior in Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An advanced course that examines the determinants and consequences of human behavior in formal organizations. Specific focus is on the individual, interpersonal, and group processes which underlie Organizational Behavior.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.

Cross Listing(s): MGNT 3134S.

MGNT 3134S Behavior in Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An advanced course that examines the determinants and consequences of human behavior in formal organizations. Specific focus is on the individual, interpersonal, and group processes which underlie Organizational Behavior.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.

Cross Listing(s): MGNT 3134.

MGNT 3234 Entrepreneurship
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of the business formation and growth processes involved in entrepreneurship. The course also focuses on the behaviors of entrepreneurs within different entrepreneurial contexts. This is a course that engages students in interactive exercises and invites local entrepreneurs into the classroom to share their experiences of setting up and running new ventures.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.

MGNT 3235 Leadership in Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Leadership and management are distinctly-different phenomena; to do either well requires distinctly-different skills. This course builds a bridge between the literature of leadership and its practical application. Though non-exhaustive, we explore leadership from four, broad perspectives: effective leader behaviors, the role of power and influence, the impact of situational moderators, and essential skill sets.

Prerequisite(s): MGNT 3130.

MGNT 3235H Leadership in Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Leadership and management are distinctly-different phenomena; to do either well requires distinctly-different skills. This course builds a bridge between the literature of leadership and its practical application. Though non-exhaustive, we explore leadership from four, broad perspectives: effective leader behaviors, the role of power and influence, the impact of situational moderators, and essential skill sets.

MGNT 3334 Human Resource Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A survey course of the fundamentals of human resource management in organizations. The basics of Human Resource Management, systems, policies, and practices relative to functional areas such as workforce planning, employment, compensation and benefits, employee and labor relations, occupational health, safety and security will be covered. COBA students must earn a "C" or better in this class. Students with declared majors in other fields must have completed a minimum of 60 semester hours.

Prerequisite(s): Prior or concurrent enrollment in and a minimum grade of "C" in MGNT 3130.

MGNT 3430 Operations Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Application of the principles of management to the planning, control, design, operation, and updating of operational systems both in the manufacturing and service sectors.

Prerequisite(s): Prior or concurrent enrollment in and a minimum grade of "C" in BUSA 3131 or STAT 2231 and at least 55 hours earned and Junior standing.

Cross Listing(s): MGNT 3430H.

MGNT 3430H Operations Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Application of the principles of management to the planning, control, design, operation, and updating of operational systems both in the manufacturing and service sectors.

Prerequisite(s): Prior or concurrent enrollment in and a minimum grade of "C" in BUSA 3131 or STAT 2231 and Junior standing.

Cross Listing(s): MGNT 3430.

MGNT 3437 Service Operations Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Students will become familiar with the various Operations Management decisions required in managing a service business. Analytical models which support these decisions will be presented and discussed. Students will also become familiar with application of these principles and models through analysis of actual firms and service firm cases.

Prerequisite(s): A minimum grade of "C" in BUSA 3131 or STAT 2231.

MGNT 4030 Special Topics in Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that allows students to pursue further study in a specific management topic at the frontier of an area of research or a contemporary topic related to current real-world events.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.

Cross Listing(s): MGNT 4030S.

MGNT 4030S Special Topics in Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that allows students to pursue further study in a specific management topic at the frontier of an area of research or a contemporary topic related to current real-world events.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.

Cross Listing(s): MGNT 4230.

MGNT 4230 International Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides an appreciation for and an understanding of the operations of the multinational firm. Prevailing management practices of selected international companies are studied in-depth. A semester long project with a cultural focus is required.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.

Cross Listing(s): MGNT 4230S.

MGNT 4230S International Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides an appreciation for and an understanding of the operations of the multinational firm. Prevailing management practices of selected international companies are studied in-depth. A semester long project with a cultural focus is required.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.

Cross Listing(s): MGNT 4230.

MGNT 4234 Small Business Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides an introduction to the unique attributes of small businesses.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.

MGNT 4235 Applied Small Business Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An applied course that involves interactions with actual small business owners and observations of their management practices.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.

MGNT 4236 New Venture Planning**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is a project-based course in which students, working in small groups, research and develop a business plan for a new venture. With tutorial guidance, students will select an entrepreneurial idea and develop it into a comprehensive and fully detailed, written business plan. All aspects of the business must be thoroughly researched and the written plan must include three years' financial projections. In the final week of the course, students will make a formal presentation of their plan and be interviewed by an enterprise panel with the aim of obtaining funding for the venture. The enterprise panel may include a bank manager, a business angel and/or a venture capitalist.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.

MGNT 4332 Compensation and Benefits**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to provide the knowledge and skills required to design and implement comprehensive compensation and benefit systems. Topics include the development of compensation strategy, internal pay structures, the role of job analysis and performance evaluation, the rewarding individuals and groups, and administration of employee benefits.

Prerequisite(s): A minimum grade of "C" in MGNT 3130, MGNT 3334, BUSA 3131.

MGNT 4333 Human Resource Information Systems**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of how human resource information systems are applied in organizations to support organizational strategy, improve efficiency and flexibility, increase productivity and performance, and ensure compliance with employment law. The focus will be on merging computer technology with a strategic human resource management perspective.

Prerequisite(s): A minimum grade of "C" in MGNT 3334.

Cross Listing(s): CISM 4333 and MGNT 4333S.

MGNT 4333S Human Resource Information Systems**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of how human resource information systems are applied in organizations to support organizational strategy, improve efficiency and flexibility, increase productivity and performance, and ensure compliance with employment law. The focus will be on merging computer technology with a strategic human resource management perspective.

Prerequisite(s): A minimum grade of "C" in MGNT 3334.

Cross Listing(s): CISM 4333 and MGNT 4333.

MGNT 4334 Employment Law and Legislative Compliance**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An overview of the current issues in the work environment related to the job selection process, equal employment opportunity, and the rights of workers on the market.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.

Cross Listing(s): LSTD 4334 and MGNT 4334S.

MGNT 4334S Workplace Legislative Compliance**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An overview of the current issues in the work environment related to the job selection process, equal employment opportunity, and the rights of workers on the market.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.

Cross Listing(s): MGNT 4334.

MGNT 4335 Labor Relations**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the history and the functions of labor organizations with reference to such areas as trade unions and public policy; the structure, government, and objectives of trade unions; the collective bargaining process; and the labor market.

Prerequisite(s): A minimum grade of "C" in MGNT 3130.

MGNT 4338 Staffing, Training, and Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of human resources planning, recruiting, and selection followed by a detailed investigation of training programs, evaluation of training, and personnel development.

Prerequisite(s): A minimum grade of "C" in MGNT 3130 and MGNT 3334.

MGNT 4431 Purchasing and Negotiation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The nature of today's business environment places great importance on organizational sourcing. This course helps students to better comprehend the various supply management decisions required to effectively contribute to organizational strategies. The course will introduce key areas of purchasing (supply management) and develop skills in negotiation. Upon successful completion of the course, students will be able to apply conceptual and analytical approaches to better influence and direct decisions where supply meets demand.

Prerequisite(s): A minimum grade of "C" in BUSA 3131.

MGNT 4435 Six Sigma and Continuous Improvement
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an introduction to understanding process excellence and continuous improvement with a focus on Six Sigma. Course content will cover how to identify, document, analyze, and improve process mapping and value stream mapping will be discussed. The Six Sigma process will be leveraged to provide students the tools necessary to identify root causes, develop innovative solutions and maintain control of any process improvements. The content of this course aligns with the coverage of the ASQ Six Sigma Green Belt Certification exam, as such, successful completion of this course should also lead to successful outcome on the ASQ Six Sigma Green Belt Certification exam.

Prerequisite(s): Prior or concurrent enrollment in and a minimum grade of "C" in BUSA 3131 or STAT 2231 and BBA status or 55 hours for non-BBA student.

MGNT 4436 Supply Chain Analytics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed to advance analytical skills for effective supply chain decision-making involving big data. Use of sophisticated analytical techniques to design and manage efficient and effective operations and processes will be covered. Formulation and interpretation of models supported by both spreadsheet based and advanced process modeling software will be emphasized.

Prerequisite(s): A minimum grade of "C" in MGNT 3430.

MGNT 4438 Global Operations in Supply Networks
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The growing tendency of firms to focus on their core competences, and the resulting vertical disintegration of activities, has required a more holistic and global view of operations functions. Firms have increasingly extended their operations beyond firm and home country boundaries, forming webs of interdependent interactions across the world. This course will cover and integrate concepts and topics related to the role of operations management in the design and management of global supply chains.

Prerequisite(s): A minimum grade of "C" in MGNT 3430.

MGNT 4790 Internship in Management
3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A supervised work-study program in selected business firms throughout the southeast. Any student enrolled in the internship program will be required to work for one full semester.

MGNT 4830 Special Problems in Management
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

A customized course that is under the direction of a faculty sponsor. This course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with the faculty sponsor.

Prerequisite(s): A minimum grade of "C" in MGNT 3130 and permission of instructor.

Cross Listing(s): MGNT 4830S.

MGNT 4830S Special Problems in Management
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

A customized course that is under the direction of a faculty sponsor. This course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with the faculty sponsor.

Prerequisite(s): A minimum grade of "C" in MGNT 3130 and permission of instructor.

Cross Listing(s): MGNT 4830.

MGNT 4890 Directed Study in Management
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Designed for independent study and research in selected areas of management under faculty supervision.

Cross Listing(s): MGNT 4890H.

MGNT 4890H Directed Study in Management
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Designed for independent study and research in selected areas of management under faculty supervision.

Cross Listing(s): MGNT 4890.

MKTG Marketing

MKTG 3131 Principles of Marketing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A basic survey of the field of marketing with emphasis upon the problems of policy determination and marketing management. Consideration is given to the international and ethical aspects of marketing decisions. Students with declared majors in other fields must have completed a minimum of 55 semester hours.

Cross Listing(s): MKTG 3131S, MKTG 3131H.

MKTG 3131H Principles of Marketing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A basic survey of the field of marketing with emphasis upon the problems of policy determination and marketing management. Consideration is given to the international and ethical aspects of marketing decisions. Students with declared majors in other fields must have completed a minimum of 55 semester hours.

Cross Listing(s): MKTG 3131, MKTG 3131S.

MKTG 3131S Principles of Marketing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A basic survey of the field of marketing with emphasis upon the problems of policy determination and marketing management. Consideration is given to the international and ethical aspects of marketing decisions. Students with declared majors in other fields must have completed a minimum of 55 semester hours.

Cross Listing(s): MKTG 3131, MKTG 3131H.

MKTG 3132 Principles of Advertising
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Stimulation of market demand through advertising media, including budgeting, research, developing the advertising appeal, selecting the media, placing copy and measuring results, as well as legal, ethical, economic, social, and global aspects of advertising.

Prerequisite(s): A minimum grade of "C" in MKTG 3131.

MKTG 3133 Professional Selling**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of methods of selling. Topics covered include analysis of prospects, knowledge of merchandise and its uses, preparation of sales presentations, methods of handling objections and closing sales, with emphasis on relationship selling. Videotaped role playing required.

Prerequisite(s): Prior or concurrent enrollment in and a minimum grade of "C" in MKTG 3131.

MKTG 3134 Business Marketing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of business to business marketing as a subset of the overall discipline of marketing.

Prerequisite(s): Prior or concurrent enrollment in and a minimum grade of "C" in MKTG 3131.

MKTG 3135 Principles of Retailing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines all aspects of retail store operations including store development, merchandising, human resources, promotion, and security.

Prerequisite(s): A minimum grade of "C" in MKTG 3131.

MKTG 3136 Introduction to E-Commerce**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course presents the strategic themes and issues associated with the field of e-commerce and highlights the technology, capital, public policy, and media infrastructures needed to provide the context in which business strategy operates.

Prerequisite(s): A minimum grade of "C" in MKTG 3131.

MKTG 4030 Special Topics in Marketing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that allows students to pursue further study in a specific marketing topic at the frontier of an area of research or a contemporary topic related to current real-world events.

Prerequisite(s): A minimum grade of "C" in MKTG 3131.

Cross Listing(s): MKTG 4030S.

MKTG 4030S Special Topics in Marketing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A customized course that allows students to pursue further study in a specific marketing topic at the frontier of an area of research or a contemporary topic related to current real-world events.

Prerequisite(s): A minimum grade of "C" in MKTG 3131.

Cross Listing(s): MKTG 4030.

MKTG 4131 Marketing Research**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An activity of information gathering, analysis and interpretation for input into management decision making. Application of current practices and techniques in the marketing research industry. Requires the use of statistical software.

Prerequisite(s): A minimum grade of "C" in MKTG 3131 and BUSA 3131.

Cross Listing(s): MKTG 4131H.

MKTG 4131H Marketing Research (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An activity of information gathering, analysis and interpretation for input into management decision making. Application of current practices and techniques in the marketing research industry. Requires the use of statistical software.

Prerequisite(s): A minimum grade of "C" in MKTG 3131 and BUSA 3131.

Cross Listing(s): MKTG 4131.

MKTG 4132 Retail Store Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A comprehensive problems analysis course that involves both qualitative and quantitative aspects of retail operations. Merchandise budgets, pricing, operations control, and environmental issues are among the topics examined in the course.

Prerequisite(s): A minimum grade of "C" in MKTG 3131 and MKTG 3135.

MKTG 4133 Sales Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Management of sales force activities. Emphasis on organization, territory design, leadership skills, motivation, and cost analysis.

Prerequisite(s): A minimum grade of "C" in MKTG 3131 and MKTG 3133.

MKTG 4134 Services Marketing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An analysis of the marketing aspects of the largest and most rapidly growing sector of the global economy. The principles and concepts of marketing are applied within the context of both consumer services and business services, in both domestic and international settings. Emphasis is placed upon the unique problems and opportunities associated with the marketing of services and the design and implementation of marketing strategies for service organizations.

Prerequisite(s): A minimum grade of "C" in MKTG 3131.

MKTG 4135 Buyer Behavior**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Application of the behavioral science approach to analysis of buyer behavior, both final consumer and industrial. Individual, social, sociocultural, and psychological factors are studied.

Prerequisite(s): A minimum grade of "C" in MKTG 3131.

Cross Listing(s): MKTG 4135S.

MKTG 4135S Buyer Behavior**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Application of the behavioral science approach to analysis of buyer behavior, both final consumer and industrial. Individual, social, sociocultural, and psychological factors are studied.

Prerequisite(s): A minimum grade of "C" in MKTG 3131.

Cross Listing(s): MKTG 4135.

MKTG 4136 International Marketing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the mechanics of international marketing with particular focus on the influence of culture on the development of marketing strategy. Coverage of marketing topics is comprehensive with a particular focus on current events and their relationship to trade. Discussion of ethics and global responsibility are infused throughout the course.

Prerequisite(s): A minimum grade of "C" in MKTG 3131.

Cross Listing(s): MKTG 4136S.

MKTG 4136S International Marketing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the mechanics of international marketing with particular focus on the influence of culture on the development of marketing strategy. Coverage of marketing topics is comprehensive with a particular focus on current events and their relationship to trade. Discussion of ethics and global responsibility are infused throughout the course.

Prerequisite(s): A minimum grade of "C" in MKTG 3131.

Cross Listing(s): MKTG 4136.

MKTG 4137 Marketing Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An integrative course designed to demonstrate the complexity and multi-dimensional nature of marketing decisions. Marketing policies and strategy form the marketing manager's viewpoint.

Prerequisite(s): A minimum grade of "C" in MKTG 3131.

MKTG 4232 Advanced Selling**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An advanced course that integrates and extends concepts encountered in other selling and sales-related courses. Particular emphasis is placed on negotiating skills and customer relationship management (CRM), as well as general sales-related topics including sales automation and time/territory management. Students will be required to spend time in the field with professional salespeople and to prepare and deliver several effective sales presentations.

Prerequisite(s): A minimum grade of "C" in MKTG 3133.

MKTG 4790 Internship in Marketing**3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A supervised work-study program in selected business firms throughout the Southeast and nationally. Students will be permitted to undertake internships only after review of academic qualifications and with firms pre-approved by the Marketing faculty.

MKTG 4830 Special Problems in Marketing**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

An intensive study of some phase of emerging phase of marketing to be developed by the instructor.

Prerequisite(s): A minimum grade of "C" in MKTG 3131.**Cross Listing(s):** MKTG 4830S.**MKTG 4830S Special Problems in Marketing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An intensive study of some phase of emerging phase of marketing to be developed by the instructor.

Prerequisite(s): A minimum grade of "C" in MKTG 3131.**Cross Listing(s):** MKTG 4830.**MKTG 4890 Directed Study in Marketing****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Independent study and research in selected areas of Marketing under supervision of a member of the Marketing faculty.

Cross Listing(s): MKTG 4890S.**MKTG 4890S Directed Study in Marketing****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Independent study and research in selected areas of Marketing under supervision of a member of the Marketing faculty.

Cross Listing(s): MKTG 4890.**MKTG 5830 Marketing Independent Study****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

MMFP Multimedia Film and Production

MMFP 2331 Media Production I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This introductory course teaches the basic principles and essential tools of visual production through the use of camera, lighting, editing and storyboarding. Students are expected to participate in laboratory activities and will produce a limited number of short form productions.

Prerequisite(s): A minimum grade of "C" in COMM 2332.**Corequisite(s):** MMFP 2335, MMFP 2336.**MMFP 2335 Introduction to Media Writing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides foundational principles and techniques in a variety of applications of multimedia writing.

Prerequisite(s): A minimum grade of "C" in COMM 2332 or COMM 2332S.**Corequisite(s):** MMFP 2336.**MMFP 2336 Audio Production and Sound Design****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Audio Production and Sound Design is a skills based course that introduces students to basic recording techniques, audio editing and sound design for multimedia outlets including radio, television, film and internet. Students are required to write scripts that will be used in production assignments. This course focuses on the role of audio in media storytelling.

Prerequisite(s): A minimum grade of "C" in COMM 2332.**Corequisite(s):** MMFP 2335.**MMFP 3030 Selected Multimedia Topics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course offers various topics in specialized areas of multimedia study.

Prerequisite(s): A minimum grade of "C" in MMFP 2331 or Permission of Instructor and Departmental approval.**MMFP 3234 Directing For Screen****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Students will learn the techniques for working with actors for screen performance with particular focus on film acting. Auditioning, screen tests, and casting will also be discussed. Students will direct a minimum of three individual scenes for video.

Prerequisite(s): A minimum grade of "C" in MMFP 3331.**MMFP 3331 Media Production II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides instruction in magazine writing with an emphasis on writing magazine articles of varying lengths and instruction in editing, layout and design.

Prerequisite(s): A minimum grade of "C" in MMJ 3331.**MMFP 3431 Broadcast Performance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Broadcast Performance provides a student with techniques to become a more effective oral and visual communicator. Course content includes techniques in analyzing and improving voice, pronunciation, inflection and articulation. Students will also learn announcing techniques that are required in a variety of applications, such as news reporting, commercial delivery, interviewing, sports casting and narration.

Prerequisite(s): A minimum grade of "C" in COMM 1110, MMFP 2336 or MMJ 3231.**MMFP 3436 Advanced Audio Production****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Advanced Audio Production introduces students to advanced recording and audio editing techniques. Students will plan, develop and produce a wide range of audio production types in long-form areas such as news, documentary, or uses of music and special effects to support drama and/or visual sound track activities. Final projects are expected to be of the quality necessary for public airing and submission to competitions.

Prerequisite(s): A minimum grade of "C" in MMFP 2331, MMFP 2335, MMFP 2336.**MMFP 3531 Screenwriting for Film and Television****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Students will demonstrate the ability to develop scripted film and television content utilizing industry standard formatting. Students will further demonstrate the ability to adapt scripted film and television content for diverse audiences. The course work will include written assignments, critiques and revisions leading to the completion of original scripts.

Prerequisite(s): A minimum grade of "C" in MMFP 2335.**MMFP 3533 Narrative Film Production****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Collaborating in small crews of four or five, students produce and edit original short fictional film and television content, based on scripts developed in previous major courses. Students demonstrate the ability to wear multiple technical and aesthetic hats when performing crewmember positions in independent style productions. Course work will investigate the multiple safety and operational functions of crew positions as well as independent alternatives to the Hollywood genre, blockbuster, and large-scale production systems.

Prerequisite(s): A minimum grade of "C" in MMFP 3331.

MMFP 4090 Multimedia Applications**1-2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This is a laboratory course in which multimedia majors utilize and refine knowledge attained in previous courses to produce professional-quality audio, video or film productions. Students produce projects and work collaboratively with classmates in meeting deadlines and producing materials that are suitable for distribution via campus broadcast or Web outlets. Students must complete a minimum of two semesters in the course, with the first semester equating to one hour of course credit, and the second semester to two hours -- for a total of three hours of course credit.

Prerequisite(s): A minimum grade of "C" in all of the following MMFP 3331, MMFP 2335, MMFP 2336, MMJ 3331, prior or concurrent enrolment in MMFP 3331.

MMFP 4135 Lighting and Cinematography**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Through lecture, readings, screenings, discussions, workshops and hands-on projects, this course teaches advanced techniques and styles of lighting and cinematography. Classes explore the language and aesthetics of visual storytelling and ways in which movement, lenses, exposure, lighting setups, camera settings and post production techniques affect the digital image. Over the course of the semester, students will shoot footage with the goal of producing a professional portfolio of work.

Prerequisite(s): A minimum grade of "C" in MMFP 2331, MMFP 3331.

MMFP 4331 Sports Production**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Sports Production provides a student with the techniques to produce/direct video productions of live sporting events along with the skills needed to operate the equipment associated with such productions. Course content includes techniques for producing/directing, operations of cameras, audio mixing, graphic replay, and switching equipment for a variety of live sports video coverage.

Prerequisite(s): A minimum grade of "C" in MMFP 2331, MMFP 2336, MMJ 3231, MMFP 3331.

MMFP 4335 Documentary Writing and Production**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Through lecture, readings, screenings, discussions, workshops and hands-on projects, this course focuses on the aesthetic and technical fundamentals of documentary writing and production. Students will engage in theoretical and ethical issues of documentary and gain practical experience by researching, writing, planning and producing an original documentary project.

Prerequisite(s): A minimum grade of "C" in MMFP 2335, MMFP 3331.

MMFP 4337 Digital Media Post Production**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Through lecture, readings, screenings discussions, workshops and hands-on projects, this course teaches advanced concepts and techniques in non-linear digital video editing. Over the course of the semester, students will edit a variety of fiction and non-fiction film and video projects and gain practical post production experience including audio sweetening, color correction and special effects. Productions will be suitable for television and Web broadcast.

Prerequisite(s): A minimum grade of "C" in MMFP 3331.

MMFP 4431 Senior Project I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is the first course in an advanced two-semester sequence in which each student works as part of a team in the creation of a radio documentary, corporate training or narrative film, or TV pilot or documentary. This course focuses on production conceptualization, scriptwriting and storyboarding, production management, set and costume design and a creation of a production timeline. In addition, students will submit a portfolio and production reel of their previous work and pass a comprehensive exam that documents their grasp of knowledge and skills they have learned during their four-year program of study.

Prerequisite(s): A minimum grade of "C" in MMFP 3331.

MMFP 4432 Senior Project II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is the second course in an advanced two course sequence in which each student works as part of a team in the completion of an audio documentary, corporate training or narrative film, or TV pilot or documentary. Students will audio record and edit and/or video shoot and edit, create a business and marketing plan, develop a promotional website and premier the work at a public screening.

Prerequisite(s): A minimum grade of "C" in MMFP 4431.

MMFP 4791 Multimedia Film or Production Internship**3,6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This optional internship is open only to MMC majors who have earned 2.75 total institution GPA. Faculty will place student applicants in approved electronic media facility. This course requires 300 clock hours of approved and supervised site activity during the semester. A maximum of six hours of internship credit may be applied toward the MMC major.

Prerequisite(s): Department approval.

MMFP 4792 Multimedia Film or Production Internship**3,6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This internship course is open to MMC majors who have earned a 2.75 cumulative GPA. Faculty will place student applicants in approved media facilities. Students must complete a minimum of 400 clock hours of supervised work during the semester and a research paper to qualify for credit.

Prerequisite(s): 2.75 cumulative GPA and department approval.

MMFP 4891 Directed Multimedia Study**1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Students conduct in-depth research and produce a multimedia project, such as a term paper, audio or video production or web content. Students may enroll for one to three hours of credit and may take the course more than once, but not for a credit hour total that exceeds three hours. The course design must be approved by the instructor and the department chair before course registration. This course cannot replace required major courses, but may be utilized as an upper division major elective credit.

Prerequisite(s): 2.75 cumulative GPA and department approval.

MMJ Multimedia Journalism

MMJ 2331 Introduction to Journalism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an introductory study of the role of journalism with fundamental instruction and practice in writing across multiple platforms.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.

MMJ 3030 Selected Topics in Multimedia Journalism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers other various topics in specialty areas of multimedia journalism.

Prerequisite(s): Department approval.

MMJ 3030S Selected Topics in MMJ**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers other various topics in specialty areas of multimedia journalism.

MMJ 3231 Audio Production for Journalists**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Audio Production for Journalists is a skills-based course that introduces students to basic field and studio recording techniques, audio editing, and sound design for multimedia journalism outlets including radio, television, and the internet. Students are required to write news scripts that will be used in production assignments. This course focuses on the role of audio in journalistic storytelling.

Prerequisite(s): A minimum grade of "C" in COMM 2332.

MMJ 3331 News Reporting and Writing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides theory, instruction and practice in a variety of news gathering and writing forms and independent assignments, including writing for print, broadcast and online platforms.

Prerequisite(s): A minimum grade of "C" in MMJ 2331.

MMJ 3332 Feature Writing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

In this course, students survey the gathering and writing of various forms of feature stories and in-depth news feature stories.

Prerequisite(s): A minimum grade of "C" in MMJ 2331.

MMJ 3332S Feature Writing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

In this course, students survey the gathering and writing of various forms of feature stories and in-depth news feature stories.

Prerequisite(s): A minimum grade of "C" in MMJ 2331.

MMJ 3333 Photojournalism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides theory, instruction and practice in the process of photography for the print and digital media, with special emphasis on gathering and editing pictorial material for print and online platforms.

Prerequisite(s): A minimum grade of "C" in MMJ 2331.

MMJ 3335 Copy Editing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides instruction and practice in the fundamentals of news editing, including copy editing, grammar, journalistic style, headline writing, photo editing and basic typography.

Prerequisite(s): A minimum grade of "C" in MMJ 2331.

MMJ 3631 Multimedia Journalism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course orients students to multimedia communication and discusses how multimedia communication is changing journalism. It offers students theory, instruction and practice in the foundational tools of digital storytelling.

Prerequisite(s): A minimum grade of "C" in MMJ 2331.

MMJ 3711 Multimedia Journalism Practicum**1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.**

This course provides limited supervised experience through appropriate on-campus media outlets where students are required to produce several publishable news stories regarding a variety of topics.

Prerequisite(s): A minimum grade of "C" in MMJ 3331.

MMJ 4190 Multimedia Journalism Applications**1,2 Credit Hour. 0 Lecture Hours. 3,6 Lab Hours.**

This lab-based course provides students hands-on experience producing video and audio news content for distribution through university-based media outlets and/or the Internet. MMJ majors must complete a minimum of two semesters of work in the course, with the first semester equating to one hour of course credit, and the second semester equating to two hours.

Prerequisite(s): A minimum grade of "C" in MMFP 3331, MMJ 3231, MMJ 3331.

MMJ 4332 Sports Journalism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the theory, instruction and practice of sports journalism across multimedia platforms. Course topics include game coverage, sports-related features, sports columns and sports analysis.

Prerequisite(s): A minimum grade of "C" in MMJ 3331.

MMJ 4333 Opinion Journalism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

In this course, students analyze the principles and roles of the various forms of opinion in journalism. This course offers practice in multi-platform opinion research and writing.

Prerequisite(s): A minimum grade of "C" in MMJ 3331.

MMJ 4334 Magazine Writing and Editing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides instruction in magazine writing with an emphasis on writing magazine articles of varying lengths and instruction in editing, layout and design.

Prerequisite(s): A minimum grade of "C" in MMJ 3331.

MMJ 4335 Public Interest Journalism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the theory, instruction and practice of in-depth and public service reporting, which is designed to reveal hidden and/or systemic problems within a community and to serve audience needs for quality information on matters of public concern. Students produce multi-platform pieces on an issue of public interest.

Prerequisite(s): A minimum grade of "C" in MMJ 3331.

MMJ 4336 Online Journalism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the theory, instruction and practice of news delivery over the Internet. Students will practice real time reporting and writing on the Internet utilizing multimedia elements. This is not a traditional journalism course offered online, but a course which teaches students to publish news on an Internet-based news outlet.

Prerequisite(s): A minimum grade of "C" in MMJ 3331, MMJ 3631.

MMJ 4337 STEM Journalism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the theory, instruction and practice of multimedia journalistic coverage of science, technology, engineering and mathematics (STEM). Journalism related to health and the environment will also be covered.

Prerequisite(s): A minimum grade of "C" in MMJ 3331.

MMJ 4721 Multimedia Journalism Practicum**2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

MMJ This course augments the training first provided in MMJ 3711 - Multimedia Journalism Practicum by offering additional and enhanced opportunities to develop primary journalistic skills through work on/with on-campus media outlets.

Prerequisite(s): MMJ 3711, departmental approval required.

MMJ 4791 Multimedia Journalism Internship**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course provides multimedia journalism majors with supervised practical experience on a full-time basis at an approved media site.

Prerequisite(s): A minimum grade of "C" in MMJ 3331, 2.75 GPA, departmental approval required.

MMJ 4792 Multimedia Journalism Internship**6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course provides journalism majors with supervised practical experience on a full-time basis at an approved media site.

Prerequisite(s): MMJ 3331, 2.75 GPA, departmental approval required.

MMJ 4831 Directed Study in Multimedia Journalism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Students conduct in-depth studies of issues associated with multimedia journalism.

Prerequisite(s): Departmental approval required.

MSCI Military Science

MSCI 1111 Introduction to Military Science**1 Credit Hour. 0 Lecture Hours. 4 Lab Hours.**

Instruction provides the basics of the U.S. Army and its role in National Defense. Includes the following subjects; the role of the U.S. Army in national defense, organization and branches of the U.S. Army, and its role, customs and traditions of the service, military writing, implementing a personal physical fitness program, role of the ARNG and USAR, and roles of the commissioned and non-commissioned officer.

MSCI 1122 Basic Military Leadership**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Continues the development of critical military skills, leadership, and management techniques. Provides basic leadership techniques and principles, professional ethics and senior subordinate relationships. Skills development includes instruction in basic marksmanship techniques including safety procedures and firing Army small arms weaponry. One weekend field trip is required.

MSCI 1510 Mountaineering**1 Credit Hour. 0 Lecture Hours. 4 Lab Hours.**

A course designed to introduce mountaineering skills, fundamentals and knowledge.

Corequisite(s): MSCI 1111.**Cross Listing(s):** KINS 1510.**MSCI 2121 Basic Military Skills****0,2 Credit Hours. 0-2 Lecture Hours. 0-2 Lab Hours.**

Instruction and practical exercises covering basic skills necessary as a future leader in the U.S. Army. Includes the following subjects: land navigation and map reading, basic first aid, survival and communications.

MSCI 2122 Basic Military Tactics**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Introduces students to the fundamentals of Army leadership and management techniques. Focus is placed on the mission, organization, and composition of small unit teams, principles of offensive operations stressing firepower, movement, communications techniques and introduction to troop leading procedures.

MSCI 2731 Basic Military Skills Practicum (Basic Camp)**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The Leadership Training Course is offered for those students who have not yet met the Basic Course requirements and desire to enroll in the Advanced Course program. This course is currently conducted at Fort Knox, Kentucky, during the summer. Students may earn three credit hours for attending this course through registration at the Registrar's Office upon completion of the course and coordination through the Military Science Department. Students attending this camp are paid and given a travel allowance from their home to camp and back.

MSCI 3131 Advanced Tactics and Applied Leadership I**0,3 Credit Hours. 0-3 Lecture Hours. 0-2 Lab Hours.**

Instruction on the principles of leadership and the leader's role in directing small units in a variety of tactical scenarios. Emphasis is placed on developing and executing orders, troop leading procedures and squad tactical reaction procedures. Land navigation and communication subjects are also included in the course.

MSCI 3132 Advanced Tactics and Applied Leadership II**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Continued instruction on the principles of leadership and the leaders' role in directing small units in a tactical environment. Emphasis is placed on offensive and defensive tactics, patrolling techniques, and conducting after action reviews. Instruction on management and leadership techniques emphasizes Green Tab Leadership and leadership assessment.

MSCI 3731 Advanced Military Skills Practicum (Advanced Camp)**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The ROTC Leader Development and Assessment Course (LDAC) or operation WARRIOR FORGE is the most important training event for an Army ROTC. The 32-day training event incorporates a wide range of subjects designed to develop and evaluate leadership ability. The challenges are rigorous and demanding, both mentally and physically. WARRIOR FORGE tests intelligence, common sense, ingenuity and stamina. These challenges provide a new perspective on an individual's ability to perform exacting tasks and to make difficult decisions in demanding situations. This course is mandatory for all students wishing to seek a commission in the U.S. Army but registration is not required. Students may earn three credit hours for attending this course through registration at the Registrar's office upon completion of the course and coordination through the Military Science Department.

Prerequisite(s): MSCI 3131 and MSCI 3132, with a minimum grade of "C".**MSCI 3732 Advanced Military Nursing Skills Practicum (Advanced Camp Clinical)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The study and practical application of nursing skills and leadership ability during a three week (120 clinical hour) encampment experience. Encampment and training is conducted at the Army Medical Department Facility of the students choice in a nursing area of interest to the student. Instructor to student ratio is one to one. Instruction and evaluation is done by a BSN prepared registered nurse.

MSCI 3733 Region, Language, and Culture (RLC) OCONUS Deployments Course**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The ROTC Region, Language, and Culture (RLC) OCONUS Deployments Course provides an opportunity for Cadets to develop leadership attributes and core leader competencies through understanding of different cultures. Cadets will study the unique culture of an assigned region, recognize the different approaches to problem solving that are culturally based, and perform leadership roles and functions within a team during deployment to a region (the course will be offered at a US Army facility in the region of study).

MSCI 4131 Military Leadership and Management Seminar**0,3 Credit Hours. 0-2 Lecture Hours. 0-2 Lab Hours.**

Instruction covers U.S. Army Command and Staff functions. Military and professional knowledge topics include writing in the Army style, oral communications, conducting briefings, preparing to conduct training and evaluating training. Topics in Military Justice System will be introduced to include the Law of Land Warfare and Code of Conduct.

Cross Listing(s): MSCI 4131S.**MSCI 4131S Military Leadership and Management Seminar****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Instruction covers U.S. Army Command and Staff functions. Military and professional knowledge topics include writing in the Army style, oral communications, conducting briefings, preparing to conduct training and evaluating training. Topics in Military Justice System will be introduced to include the Law of Land Warfare and Code of Conduct.

Cross Listing(s): MSCI 4131S.**MSCI 4132 Transition to Lieutenant****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Instruction prepares MS IV cadets in their transition from Cadet/student to commissioned officer. Instruction covers leadership ethics and case studies, personnel, logistics, intelligence systems, and additional basic knowledge an individual needs to become a professional officer. Covers Army Officer personal affairs, education, evaluation systems, counseling techniques and Officer-NCO relations.

MSCI 4890 Military Science Independent Study
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

This course is designed to complement the military education and leadership development of cadets through independent studies in such topics as mission analysis, war gaming, military decision making process, course of action development, revolutions in military affairs, application of technology in the military, troop leading procedures, and other similar topics. This course will help students remain proficient in the military skills they will need upon their commissioning and for future officer training.

MUSA Applied Music

MUSA 1113 Applied Music - Percussion
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1114 Applied Music - Piano
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1115 Applied Music - Strings
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1116 Applied Music - Voice
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1116S Applied Music - Voice
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

MUSA 1117 Applied Music - Woodwinds
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1118 Applied Music - Brass
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1118S Applied Music - Brass
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1123 Applied Music - Percussion
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1124 Applied Music - Piano
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1125 Applied Music - Strings
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1125A Applied Music - Strings
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

MUSA 1125S Applied Music - Strings
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1126 Applied Music - Voice
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1126S Applied Music - Voice
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1127 Applied Music - Woodwinds
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1127S Applied Music - Woodwinds
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1128 Applied Music - Brass
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1128S Applied Music - Brass
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1133 Applied Music - Percussion
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1134 Applied Music - Piano
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1135 Applied Music - Strings
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1136 Applied Music - Voice
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1137 Applied Music - Woodwinds
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1138 Applied Music - Brass
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1213 Applied Music - Percussion
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1214 Applied Music - Piano
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1215 Applied Music - Strings
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1216 Applied Music - Voice
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1216S Applied Music - Voice
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1217 Applied Music - Woodwinds
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1217S Applied Music - Woodwinds
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1218 Applied Music - Brass
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1218S Applied Music - Brass
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 1223 Applied Music - Percussion
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1224 Applied Music - Piano
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1225 Applied Music - Strings
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1225S Applied Music - Strings
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1226 Applied Music - Voice
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1226S Applied Music - Voice
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1227 Applied Music - Woodwinds
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1227S Applied Music - Woodwinds
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1228 Applied Music - Brass
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 1228S Applied Music - Brass
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2101 Recital
0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
 REVISIED 3/13/98.

MUSA 2113 Applied Music - Percussion
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 2114 Applied Music - Piano
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 2115 Applied Music - Strings
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 2115S Applied Music - Strings
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 2116 Applied Music - Voice
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 2116S Applied Music - Voice
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 2117 Applied Music - Woodwinds
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 2117S Applied Music - Woodwinds
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 2118 Applied Music - Brass
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 2118S Applied Music - Brass
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 2123 Applied Music - Percussion
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2124 Applied Music - Piano
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2125 Applied Music - Strings
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2125S Applied Music - Strings
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2126 Applied Music - Voice
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2126S Applied Music - Voice
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2127 Applied Music - Woodwinds
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2127S Applied Music - Woodwinds
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2128 Applied Music - Brass
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2128S Applied Music - Brass
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2129 Composition
2 Credit Hours. 1 Lecture Hour. 0 Lab Hours.

Admission to an applied studio is by approval of the Music faculty. Instruction in various instruments and voice is offered. Undergraduate instruction is offered at preparatory, first, second, and third and fourth year levels.

Prerequisite(s): A minimum grade of "C" in MUSC 1311, and MUSC 1332 and MUSC 1514.

MUSA 2133 Applied Music - Percussion
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2134 Applied Music - Piano
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2135 Applied Music - Strings
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2135S Applied Music - Strings
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2136 Applied Music - Voice
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2136S Applied Music - Voice
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2137 Applied Music - Woodwinds
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2137S Applied Music - Woodwinds
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2138 Applied Music - Brass
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 2138S Applied Music - Brass
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3101 Junior Recital
0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
REVISED 3/13/98.

MUSA 3113 Applied Music - Percussion
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3114 Applied Music - Piano
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3115 Applied Music - Strings
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3115S Applied Music - Strings
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3116 Applied Music - Voice
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3116S Applied Music - Voice
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3117 Applied Music - Woodwinds
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3117S Applied Music - Woodwinds
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3118 Applied Music - Brass
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3118S Applied Music - Brass
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3123 Applied Music - Percussion
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3124 Applied Music - Piano
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3125 Applied Music - Strings
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3125S Applied Music - Strings
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3126 Applied Music - Voice
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3126S Applied Music - Voice
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3127 Applied Music - Woodwinds
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3127S Applied Music - Woodwinds
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3128 Applied Music - Brass
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3129 Intermediate Composition
2 Credit Hours. 1 Lecture Hour. 0 Lab Hours.

Admission to an applied studio is by approval of the Music faculty. Instruction in various instruments and voice is offered. Undergraduate instruction is offered at preparatory, first, second, and third and fourth year levels.

Prerequisite(s): A minimum grade of "C" in MUSA 2129.

MUSA 3133 Applied Music - Percussion
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3134 Applied Music - Piano
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3135 Applied Music - Strings
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3135S Applied Music - Strings
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3136 Applied Music - Voice
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3136S Applied Music - Voice
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3137 Applied Music - Woodwinds
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3137S Applied Music - Woodwinds
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3138 Applied Music - Brass
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3138S Applied Music - Brass
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3213 Applied Music - Percussion
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3214 Applied Music - Piano
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3214S Applied Music - Piano
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3215 Applied Music - Strings
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3215S Applied Music - Strings
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3216 Applied Music - Voice
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3216S Applied Music - Voice
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3217 Applied Music - Woodwinds
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3217S Applied Music - Woodwinds
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3218 Applied Music - Brass
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3218S Applied Music - Brass
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 3223 Applied Music - Percussion
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3224 Applied Music - Piano
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3225 Applied Music - Strings
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3225S Applied Music - Strings
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3226 Applied Music - Voice
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3226S Applied Music - Voice
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3227 Applied Music - Woodwinds
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3227S Applied Music - Woodwinds
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 3228 Applied Music - Brass
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4111 Senior Recital
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 4113 Applied Music - Percussion
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 4114 Applied Music - Piano
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 4115 Applied Music - Strings
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 4115S Applied Music - Strings
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 4116 Applied Music - Voice
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 4116S Applied Music - Voice
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 4117 Applied Music - Woodwinds
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 4117S Applied Music - Woodwinds
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 4118 Applied Music - Brass
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 4118S Applied Music - Brass
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

MUSA 4123 Applied Music - Percussion
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4124 Applied Music - Piano
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4125 Applied Music - Strings
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4125S Applied Music - Strings
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4126 Applied Music - Voice
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4126S Applied Music - Voice
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4127 Applied Music - Woodwinds
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4127S Applied Music - Woodwinds
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4128 Applied Music - Brass
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4128S Applied Music - Brass
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4129 Advanced Composition
2 Credit Hours. 1 Lecture Hour. 0 Lab Hours.

Admission to an applied studio is by approval of the Music faculty. Instruction in various instruments and voice is offered. Undergraduate instruction is offered at preparatory, first, second, and third and fourth year levels.

Prerequisite(s): A minimum grade of "C" in MUSA 3129.

MUSA 4133 Applied Music - Percussion
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4134 Applied Music - Piano
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4135 Applied Music - Strings
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4135S Applied Music - Strings
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4136 Applied Music - Voice
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4136S Applied Music - Voice
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4137 Applied Music - Woodwinds
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4137S Applied Music - Woodwinds
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4138 Applied Music - Brass
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4138S Applied Music - Brass
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 5110 Coaching for Singers
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

The purpose of this course is to provide career-track singers with an opportunity to work with an expert on such matters as interpretation, diction, and artistic communication. Graduate students will have additional requirements as assigned by instructor.

Cross Listing(s): MUSA 5110G.

MUSC Music

MUSC 1100 Music Appreciation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to the development of listening skills, the fundamental elements of music, a historical survey of major periods and styles in Western music, and music in selected non-Western cultures.

Cross Listing(s): MUSC 1100S.

MUSC 1100S Music Appreciation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to the development of listening skills, the fundamental elements of music, a historical survey of major period and styles in Western music, and music in selected non-Western cultures.

Cross Listing(s): MUSC 1100.

MUSC 1311 Introduction to Composition
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

This course involves hands-on activities that offer students the opportunity of understanding such concepts as Form, Timbre, Texture, Duration, and other musical materials, and their interaction in the context of a musical creation, regardless of genre or style. Additionally, these activities introduce students to the roles of the composer and the performer, and the dynamics of their relationship. As the title suggests, the course sets the framework for future compositional work.

Prerequisite(s): A minimum grade of "C" in MUSC 1331, MUSC 1513, MUSC 1333.

Cross Listing(s): MUSC 1311S.

MUSC 1311S Introduction to Composition
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

This course involves hands-on activities that offer students the opportunity of understanding such concepts as Form, Timbre, Texture, Duration, and other musical materials, and their interaction in the context of a musical creation, regardless of genre or style. Additionally, these activities introduce students to the roles of the composer and the performer, and the dynamics of their relationship. As the title suggests, the course sets the framework for future compositional work.

Cross Listing(s): MUSC 1311.

MUSC 1315 Guitar Class Non-Major
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

This course is designed to teach the basic elements of guitar performance to non-music majors.

MUSC 1316 Voice Class Non-Major
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

This course is designed to teach the basic elements of voice performance to non-music majors.

MUSC 1331 Music Theory I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Development of a command of the fundamental elements in music notation and structure, paralleling the work in MUSC 1513. Emphasizes notation, scales, tonality, intervals, harmony, cadences, nonharmonic tones, texture, and melodic organization.

MUSC 1332 Music Theory II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Continuation of the manipulation of elements in music notation and structure, paralleling the work in MUSC 1514. Emphasizes voice-leading in two and four voices, harmonic progression and rhythm, the dominant seventh chord, leading-tone seventh chords, and non-dominant seventh chords.

Prerequisite(s): A minimum grade of "C" in MUSC 1331 and MUSC 1513.

MUSC 1333 Music Fundamentals I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Basic music theory with emphasis on note reading, understanding scales and rhythms, simple chord formations and their applications, basic relationships between melody and harmony and reading melodies at sight.

Prerequisite(s): MUSC 1100.

Cross Listing(s): MUSC 1333S.

MUSC 1333S Music Fundamentals I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Basic music theory with emphasis on note reading, understanding scales and rhythms, simple chord formations and their applications, basic relationships between melody and harmony and reading melodies at sight.

Prerequisite(s): MUSC 1100.

Cross Listing(s): MUSC 1333.

MUSC 1334 Music Fundamentals II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Further study in melodic and harmonic relationships with emphasis on chord symbols, and chord progressions through the study and analysis of musical compositions.

Prerequisite(s): MUSC 1333.

MUSC 1511 Group Piano I
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

The study of keyboard theory and development of functional piano skills at the elementary level with emphasis on harmonization, sight-reading transposition, improvisation, and scales and chords.

MUSC 1512 Group Piano II
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

Continuation of skills begun in MUSC 1511

Prerequisite(s): A minimum grade of "C" in MUSC 1511.

MUSC 1513 Sight-Singing/Ear Training I
1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.

Development in aural perception and sight-singing skills to parallel the work in MUSC 1331. Emphasizes melodic and harmonic dictation and sight-singing. Lab work will utilize the Music CAI Lab.

MUSC 1514 Sight-Singing/Ear Training II
1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.

Development in aural perception and sight-singing skills to parallel the work in MUSC 1332. Emphasizes melodic and harmonic dictation and sight-singing. Lab work will utilize the Music CAI Lab.

Prerequisite(s): A minimum grade of "C" in MUSC 1331.

MUSC 1515 Technology in Music
1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.

Introduction to the uses of technology in music, including acoustics, hardware/software, digital keyboards and MIDI sequence recording and editing. Supervised lab work with digital synthesizers and computers.

Cross Listing(s): MUSC 1515S.

MUSC 1515S Technology in Music**1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.**

Introduction to the uses of technology in music, including acoustics, hardware/software, digital keyboards and MIDI sequence recording and editing. Supervised lab work with digital synthesizers and computers.

Cross Listing(s): MUSC 1515.**MUSC 2311 Jazz Improvisation I****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Theory and techniques of jazz improvisation with emphasis on functional harmony, melodic form, and development of style.

Prerequisite(s): A minimum grade of "C" in MUSC 1331, MUSC 1332, MUSC 1513, and MUSC 1514.**MUSC 2312 Jazz Improvisation II****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Theory and techniques of jazz improvisation with emphasis on functional harmony, melodic form, and development of style.

Prerequisite(s): A minimum grade of "C" in MUSC 2311.**MUSC 2322 Composition II****2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Creative writing for small ensembles with emphasis on notation, form, and individual stylistic development. Performance of works encouraged.

MUSC 2333 Music Theory III**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of traditional, chromatic, and twentieth century forms and melodic/harmonic practices. Exercises in composition are included.

Prerequisite(s): A minimum grade of "C" in MUSC 1332 and MUSC 1514.**MUSC 2334 Music Theory IV****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of traditional, chromatic, and twentieth century forms and melodic/harmonic practices. Exercises in composition are included.

Prerequisite(s): A minimum grade of "C" in MUSC 2333 and MUSC 2513.**MUSC 2411 Diction for Singers I****1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.**

Focuses on the study of the International Phonetic Alphabet and its application to the Italian, English, and Latin languages within the standard vocal literature.

MUSC 2412 Diction for Singers II**1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.**

Focuses on the study of the International Phonetic Alphabet and its application to the German, French, and Spanish languages within the standard vocal literature.

MUSC 2421 Piano Literature I**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

The study of solo piano music from the late Baroque Period through the compositions of Beethoven, with special attention given to representative genres and composers.

MUSC 2431 Piano Pedagogy I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the teaching of piano at the elementary level through an examination of beginning methods and materials, teaching techniques, and studio management.

MUSC 2511 Group Piano III**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

Continuation of skills developed in MUSC 1512 at the intermediate level, with additional work in score reading and accompanying.

Prerequisite(s): A minimum grade of "C" in MUSC 1512.**MUSC 2512 Group Piano IV****1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

Continuation of skills developed in Group Piano III. Final Exam serves as the Piano Exit Exam.

Prerequisite(s): A minimum grade of "C" in MUSC 2511.**MUSC 2513 Sight-Singing/Ear Training III****1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.**

Development of aural perception and sight-singing. Emphasis on melodic and harmonic dictation and error detection. Supervised lab sessions for ear training practice.

Prerequisite(s): A minimum grade of "C" in MUSC 1332 and MUSC 1514.**MUSC 2514 Sight-Singing/Ear Training IV****1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.**

Development of aural perception and sight-singing. Emphasis on melodic and harmonic dictation and error detection. Supervised lab sessions of ear training practice.

Prerequisite(s): A minimum grade of "C" in MUSC 2333 and MUSC 2513.**MUSC 2621 Introduction to Music Education****2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Designed to provide the music education candidate with knowledge of history and philosophy of music education, basic teaching methods, lesson planning skills, and familiarity with professional resources and the Georgia Performance Standards.

Prerequisite(s): A minimum grade of "C" in MUSC 1512 and MUSC 1332.**MUSC 3031 Selected Topics in Music****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Topics vary with individual professor.

Cross Listing(s): MUSC 3031S.**MUSC 3031S Selected Topics in Music****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Topics vary with individual professor.

Cross Listing(s): MUSC 3031.**MUSC 3111 Method and Pedagogy, Violin/Viola I****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

This course emphasizes string techniques in terms of methodology with an organized method of teaching approaches.

MUSC 3112 Method and Pedagogy, Violin/Viola II**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

This course emphasizes string techniques in terms of methodology with an organized method of teaching approaches which will include practical training and repertoire application.

MUSC 3131 History of Music I**3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.**

A chronological survey of music from antiquity to the end of the Baroque period, emphasizing issues of style, performance practice, musical aesthetics, and cultural context.

Prerequisite(s): HIST 1112.**MUSC 3132 History of Music II****3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.**

A chronological survey of music from the classic period to the present, emphasizing issues of style, performance practice, musical aesthetics, and cultural context.

Prerequisite(s): HIST 1112.**MUSC 3132H History of Music II (Honors)****3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.**

A chronological survey of music from the classic period to the present, emphasizing issues of style, performance practice, musical aesthetics, and cultural context.

MUSC 3211 Instrumental Methods I**1 Credit Hour. 2 Lecture Hours. 0 Lab Hours.**

Designed for the choral music education student. Provides the student an overview of theoretical and practical knowledge of the woodwind and string families.

MUSC 3212 Instrumental Methods II**1 Credit Hour. 2 Lecture Hours. 0 Lab Hours.**

Designed for the choral music education student. Provides the student an overview of theoretical and practical knowledge of the brass and percussion families.

MUSC 3213 Percussion Class**1 Credit Hour. 2 Lecture Hours. 0 Lab Hours.**

Emphasis on acquiring a theoretical and practical knowledge of percussion instruments. Includes instructional application through playing and the study of methods and materials.

MUSC 3215 String Class**1 Credit Hour. 2 Lecture Hours. 0 Lab Hours.**

This course emphasizes acquisition of theoretical and practical knowledge of string instruments. Includes instructional application through playing and the study of methods and materials.

MUSC 3216 Voice Class**1 Credit Hour. 2 Lecture Hours. 0 Lab Hours.**

Designed to teach the elements of healthy voice production to instrumental majors in the music education program. Course includes study of breathing for singing, elements of balanced tone production, an introduction to the International Phonetic Alphabet, and instructional application through singing and study of methods and materials.

MUSC 3217 Woodwind Class**1 Credit Hour. 2 Lecture Hours. 0 Lab Hours.**

Emphasis on acquiring a theoretical and practical knowledge of woodwind instruments. Includes instructional application through playing and the study of methods and materials.

MUSC 3218 Brass Class**1 Credit Hour. 2 Lecture Hours. 0 Lab Hours.**

Emphasis on acquiring a theoretical and practical knowledge of brass instruments. Includes instructional application through playing and the study of methods and materials.

MUSC 3221 Instrumentation for Music Educators**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

This course is for Music Education majors - Instrumental emphasis. It explores the individual musical instruments and instrumental sections most commonly found in western ensembles, especially (although, not exclusively) in the symphonic band and the orchestra. Particular timbre features, ranges, and technical capabilities of each instrument, as well as appropriate notational considerations, will be studied. Common features of chamber and large instrumental ensembles and basic scoring techniques will also be covered in this course.

Prerequisite(s): A minimum grade of "C" in MUSC 2334 and MUSC 2514.

Corequisite(s): MUSC 4211.

MUSC 3232 Elementary Methods and Materials in Music**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Designed for the music specialist in the elementary school, with an emphasis on materials and methodology used in preschool through grade eight. Opportunities will be provided for observing, planning, and teaching in the elementary school classroom. Restricted to music majors.

Prerequisite(s): Admission to the Teacher Education Program.

Cross Listing(s): MUSC 3232H.

MUSC 3232H Elem Methods & Materials-Honor**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Designed for the music specialist in the elementary school, with an emphasis on materials and methodology used in preschool through grade eight. Opportunities will be provided for observing, planning, and teaching in the elementary school classroom. Restricted to music majors.

Prerequisite(s): Admission to the Teacher Education Program.

Cross Listing(s): MUSC 3232.

MUSC 3311 Jazz Improvisation III**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Theory and techniques of Jazz improvisation with emphasis on functional harmony, melodic form, and development of style.

Prerequisite(s): A minimum grade of "C" in MUSC 2312.

MUSC 3312 Jazz Improvisation IV**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Theory and techniques of jazz improvisation with emphasis on functional harmony, melodic form, and development of style.

Prerequisite(s): A minimum grade of "C" in MUSC 3311.

MUSC 3331 Instrumentation**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The study of traditional instrumental and vocal notation, ranges, technical capabilities, basic scoring techniques.

Prerequisite(s): A minimum grade of "C" in MUSC 2334 and MUSC 2514.

Cross Listing(s): MUSC 3331S.

MUSC 3331S Instrumentation**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The study of traditional instrumental and vocal notation, ranges, technical capabilities, basic scoring techniques.

Cross Listing(s): MUSC 3331.

MUSC 3334 Survey of Latin American Music**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Survey of Latin American Music covers traditional, popular, and classical music from the region as well as the historic and social contexts of their evolution.

MUSC 3335 History of Rock & Roll**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides a survey of the history of rock-and-roll music and its impact on and reflection of the broader culture.

MUSC 3411 Brass Pedagogy**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Survey of teaching techniques (studio teaching of instruments).

MUSC 3412 Percussion Pedagogy**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Survey of teaching techniques (studio teaching of instruments).

MUSC 3413 String Pedagogy**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Survey of teaching techniques (studio teaching of instruments).

MUSC 3413H String Pedagogy (Honors)**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Survey of teaching techniques (studio teaching of instruments).

MUSC 3414 Woodwind Pedagogy**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Survey of teaching techniques (studio teaching of instruments).

MUSC 3421 Piano Literature II**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Covers the principle genres of solo piano music from the early Romantic Period through the Impressionistic Period, with formal and stylistic analysis of specific representative works by the principal composers.

MUSC 3421H Piano Literature II (Honors)**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Covers the principle genres of solo piano music from the early Romantic Period through the Impressionistic Period, with formal and stylistic analysis of specific representative works by the principal composers.

MUSC 3423 Vocal Literature I**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Study of the historical development of the Italian, French, and Spanish song literature, focusing on selected works of representative composers in each stylistic period.

Prerequisite(s): A minimum grade of "C" in MUSC 2411 and MUSC 2412.

MUSC 3424 Vocal Literature II**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Study of the historical development of the German and English song literature, focusing on selected works of representative composers in each stylistic period.

Prerequisite(s): A minimum grade of "C" in MUSC 2411 and MUSC 2412.**Cross Listing(s):** MUSC 3424S.**MUSC 3424S Vocal Literature II****2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Study of the historical development of the German and English song literature, focusing on selected works of representative composers in each stylistic period.

Cross Listing(s): MUSC 3424.**MUSC 3432 Piano Pedagogy II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the teaching of piano at the pre-school, adult and intermediate levels.

MUSC 3435 Imagine: The Music of the Beatles**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the music of the Beatles in the context of the popular culture of the 1950's and 1960's. While attention will be given to the history and development of the Beatles as a group, the course will focus primarily on the songs themselves.

MUSC 4211 Marching Band Techniques**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

This course examines the development of marching band over time. Students are introduced to basic concepts in marching techniques, marching band administration, drill writing, and drumline. Students gain competence in drill writing software, developing a policy and procedures handbook, and administering color guard and majorette techniques.

Prerequisite(s): A minimum grade of "C" in MUSE 3212.**Corequisite(s):** MUSC 3221.**MUSC 4331 Analytical Techniques****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Techniques for analyzing form and other stylistic elements of music, emphasizing works from the common practice period; preparation of time lines and other graphic representations; score reading of orchestral scores with transposing instruments.

Prerequisite(s): MUSC 2334.**MUSC 4411 Basic Conducting****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

A practical course directed toward the cultivation and development of the skills required for students who plan to conduct music ensembles.

MUSC 4421 Voice Pedagogy**2 Credit Hours. 2 Lecture Hours. 1 Lab Hour.**

The development of the teaching of singing through the study of its history and the investigation and application of research in vocal production and pedagogy. Supervised teaching of applied lessons and a survey of teaching materials.

Prerequisite(s): A minimum grade of "C" in MUSC 2512 and MUSC 2514.**Cross Listing(s):** MUSC 4421H.**MUSC 4421H Voice Pedagogy (Honors)****2 Credit Hours. 2 Lecture Hours. 1 Lab Hour.**

The development of the teaching of singing through the study of its history and the investigation and application of research in vocal production and pedagogy. Supervised teaching of applied lessons and a survey of teaching materials.

Prerequisite(s): A minimum grade of "C" in MUSC 2512 and MUSC 2514.**Cross Listing(s):** MUSC 4421.**MUSC 4431 Choral Conducting and Literature****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to provide students with in-depth knowledge of choral conducting techniques and literature. Students will study appropriate conducting gestures specific to choral ensembles while acquiring knowledge of the great monuments of choral literature.

Prerequisite(s): A minimum grade of "C" in MUSC 4411.**MUSC 4432 Instrumental Conducting and Literature****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Development of conducting skills through the study of literature appropriate for all levels of instrumental ensembles.

Prerequisite(s): A minimum grade of "C" in MUSC 4411.**MUSC 4532 Secondary Methods and Materials in Music****3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.**

Designed to provide the music education candidate with rehearsal and teaching skills necessary to function in the secondary music classroom. Through in class instruction and thirty hours of structured field experience, students will learn rehearsal and teaching techniques, management and administration strategies, and develop specific skills related to effective secondary music teaching.

Prerequisite(s): A minimum grade of "C" in MUSC 4432 or MUSC 4431; admission to the Teacher Education Program.**MUSC 4532H Secondary Music Methods Honors****3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.**

Designed to provide the music education candidate with rehearsal and teaching skills necessary to function in the secondary music classroom. Through in class instruction and thirty hours of structured field experience, students will learn rehearsal and teaching techniques, management and administration strategies, and develop specific skills related to effective secondary music teaching.

Prerequisite(s): A minimum grade of "C" in MUSC 4432 or MUSC 4431; admission to the Teacher Education Program.**MUSC 4534 Recording Studio Techniques****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course focuses on the technical and creative investigation of current multi-track recording and mixing techniques. Technical aspects of essential signal processing techniques are covered and their aesthetic implications are actively explored. Students examine these topics through the creation of music in a recording studio using a variety of tools including hardware and software processors and multi-tracking software.

Prerequisite(s): A minimum grade of "C" in MUSC 1515 or MUSC 1515S.**MUSC 4535 MIDI Sequencing****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course covers essential synthesis techniques in the analog and digital domains. Students will examine the bits and bytes of the MIDI communication protocol. A variety of sequencing techniques are examined in several contexts including historical uses, current methods, and in combination with visual media. At the core of the course is an emphasis upon the application of technical knowledge through the creation of musical works.

Prerequisite(s): A minimum grade of "C" in MUSC 1515 or MUSC 1515S.**MUSC 4611 Seminar in Music Education****1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.**

Designed to provide additional field experiences for music education majors in a seminar format. Should be taken in conjunction with the appropriate music methods course (MUSC 3232 or MUSC 4532).

MUSC 4630 edTPA Music Internship Support Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

edTPA Internship Support Seminar is a hybrid course for candidates who must retake edTPA. This course consists of a six-week internship consisting of on-campus class sessions on identified dates and a daily field experience (7:45 a.m. - 12 noon). The course will occur during the first six weeks of the semester. Learning in this seminar supports successful completion of the internship and state-mandated edTPA evaluation of teaching practice. Candidates reflect on their own practice in relation to planning, instruction, and assessment. Candidates must be approved to take this course.

Prerequisite(s): MUSC 4799.

MUSC 4799 Student Teaching in P-12 Music Education
9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Student Teaching in P-12 Music Education is a period of guided music teaching during which the candidate, under the direction of a clinical supervisor, takes increasing responsibility for leading the school music experiences of a given group of learners over a period of consecutive weeks. The candidate engages more or less directly in many of the activities which constitute the wide range of a music teacher's assigned responsibilities.

Prerequisite(s): Completion of all degree courses.

MUSC 4891 Special Problems in Music
1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Topics vary with individual professor.

Cross Listing(s): MUSC 4891S.

MUSC 4891H Special Prob. in Music Honors
1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Topics vary with individual professor.

Cross Listing(s): MUSC 4891S.

MUSC 4891S Special Problems in Music
1-9 Credit Hours. 1-9 Lecture Hours. 0 Lab Hours.

Topics vary with individual professor.

Cross Listing(s): MUSC 4891.

MUSC 5030 Selected Topics Music Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Specialized study of a specifically announced area in music literature. Graduate students must complete an extra project for this course.

Cross Listing(s): MUSC 5030G.

MUSC 5031 Selected Topics in Music
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Topics vary with individual professor. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): MUSC 5031G, MUSC 5031S.

MUSC 5031S Selected Topics in Music
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Topics vary with individual professor. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): MUSC 5031, MUSC 5031G.

MUSC 5231 Music in the Classic Period
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory from the Classic period.

Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in MUSC 3132.

Cross Listing(s): MUSC 5231G.

MUSC 5232 Music in the Romantic Period
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory from the Romantic period.

Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): MUSC 5232G.

MUSC 5233 Music in the Contemporary Period
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A survey of major historical trends aesthetic and stylistic developments, significant figures, and selected repertory from the Contemporary period.

Cross Listing(s): MUSC 5233G.

MUSC 5234 History of Opera
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory in opera history. Graduate

students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in MUSC 3131 and MUSC 3132.

Cross Listing(s): MUSC 5234S, MUSC 5234G.

MUSC 5234S History of Opera
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory in opera history. Graduate

students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): MUSC 5234, MUSC 5234G.

MUSC 5236 Jazz History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A jazz survey course which emphasizes the historical, musical, and chronological development of jazz music. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): MUSC 5236G.

MUSC 5237 Symphonic Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory in symphonic literature.

Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in MUSC 3132.

Cross Listing(s): MUSC 5237G, MUSC 5237H.

MUSC 5237H Symphonic Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory in symphonic literature.

Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in MUSC 3132.

Cross Listing(s): MUSC 5237, MUSC 5237G.

MUSC 5239 Selected Topics in Music History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Specialized study of a specifically-announced area in music history. Graduate students must complete an extra project for this course.

Cross Listing(s): MUSC 5239G.

MUSC 5332 Jazz Styles and Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The study of most of the major jazz styles which have been documented in recordings. Emphasis in post-1940's styles of big bands and combos, and in the musical analysis of those jazz styles. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in MUSC 3132 and MUSC 5236.

Cross Listing(s): MUSC 5332G.

MUSC 5411 Jazz Pedagogy**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Emphasizes the materials and methods available for the teaching of jazz music at all levels from middle school through university. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): MUSC 5411G.**MUSC 5430 Advanced Choral Arranging****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Practical experience in arranging for various vocal combinations, score analysis, score reading, and manuscript preparation for publishers. Graduate students must complete an extra project for the course.

Prerequisite(s): A minimum grade of "C" in MUSC 2334.**Cross Listing(s):** MUSC 5430G.**MUSC 5431 Advanced Instrumental Arranging****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of issues and techniques in composing arrangements for various types of instrumental ensembles with practical experience.

Prerequisite(s): A minimum grade of "C" in MUSC 2334.**Cross Listing(s):** MUSC 5431G.**MUSC 5432 Advanced Jazz Arranging****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of issues and techniques in composing arrangements for various types of jazz ensembles with practical experience.

Cross Listing(s): MUSC 5432G.**MUSC 5539 Selected Topics in Music Technology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Specialized study of a specifically-announced area in music technology. Graduate students must complete an extra project for this course.

Cross Listing(s): MUSC 5539G.**MUSC 5630 Music, Technology and Contemporary Culture****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****Cross Listing(s):** MUSC 5630G.

MUSE Music Ensemble

MUSE 1100 Recital Attendance**0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.****MUSE 3114 Chamber Music Ensemble****1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3210 University Band**1 Credit Hour. 0 Lecture Hours. 3-5 Lab Hours.**

MUSE courses are not listed in the catalog.

MUSE 3211 Wind Symphony**1 Credit Hour. 0 Lecture Hours. 3-5 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3211H Wind Symphony (Honors)**1 Credit Hour. 0 Lecture Hours. 3-5 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3212 Marching Band**1 Credit Hour. 0 Lecture Hours. 3-10 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3213 Symphonic Wind Ensemble**1 Credit Hour. 0 Lecture Hours. 3-5 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3213S Symphonic Wind Ensemble**1 Credit Hour. 0 Lecture Hours. 3-5 Lab Hours.****MUSE 3214 Jazz Ensemble****1 Credit Hour. 0 Lecture Hours. 3-4 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3215 Jazz Combo**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3216 Brass Ensemble**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3216S Brass Ensemble**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3217 Percussion Ensemble**1 Credit Hour. 0 Lecture Hours. 3-4 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3217S Percussion Ensemble**1 Credit Hour. 0 Lecture Hours. 3-4 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3218 Woodwind Ensemble**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3218S Woodwind Ensemble**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3219 Pep Band**1 Credit Hour. 0 Lecture Hours. 1-8 Lab Hours.**

Ensemble to support athletic and other events. Membership includes woodwind, brass, and drumset.

MUSE 3311 University Singers**1 Credit Hour. 0 Lecture Hours. 3-4 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3311H University Singers (Honors)**1 Credit Hour. 0 Lecture Hours. 3-4 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3312 Southern Chorale**1 Credit Hour. 0 Lecture Hours. 3-5 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3312S Southern Chorale**1 Credit Hour. 0 Lecture Hours. 3-5 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3313 Women's Chorus**1 Credit Hour. 0 Lecture Hours. 3-5 Lab Hours.**

A select choral ensemble for women open to majors and non-majors who demonstrate superior ability in the audition process.

MUSE 3314 Opera Theatre**1 Credit Hour. 0 Lecture Hours. 2-5 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3411 Orchestra**1 Credit Hour. 0 Lecture Hours. 3-5 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3411S Orchestra**1 Credit Hour. 0 Lecture Hours. 3-5 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3414 String Ensemble**1 Credit Hour. 0 Lecture Hours. 3-4 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3414S String Ensemble**1 Credit Hour. 0 Lecture Hours. 3-4 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3511 Electronic Music Ensemble**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 3514 Piano Ensemble**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

MUSE 4631 Senior Sem in Mus Ed**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

None. MUSE courses do not have course descriptions in the catalog.

NTFS Nutrition and Food Science

NTFS 2514 Professional Practice Strategies**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Presents an overview of the career opportunities in nutrition, food science and dietetics. Focuses on the development of personal and professional skills required for success in the profession.

NTFS 2530 Nutrition and Health**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The basic principles of nutrition and their application to health and wellness. The interrelationship between personal nutrition and health maintenance throughout the life cycle is included.

NTFS 2530H Nutrition and Health (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The basic principles of nutrition and their application to health and wellness. The interrelationship between personal nutrition and health maintenance throughout the life cycle is included.

NTFS 2534 Introductory Food Science**0,3 Credit Hours. 0,1 Lecture Hours. 0,4 Lab Hours.**

Develops basic understanding of the principles of food preparation. Applies principles to food preparation for individuals, families and commercial food services.

NTFS 2535 Nutrition and Diet Therapy**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides a basic understanding of the importance of nutrition in health maintenance and disease. The role of the nurse/health care provider in the nutritional assessment and the delivery of nutrition support services for individuals with illness and physical stress are emphasized.

Cross Listing(s): NTFS 2535H.**NTFS 2535H Nutrition and Diet Therapy-Hon****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides a basic understanding of the importance of nutrition in health maintenance and disease. The role of the nurse/health care provider in the nutritional assessment and the delivery of nutrition support services for individuals with illness and physical stress are emphasized.

Cross Listing(s): NTFS 2535.**NTFS 3534 Human Nutrition****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The fundamental principles of human nutrition and their application to food selection are discussed. Emphasis is placed upon the recommended dietary allowances and other dietary guidelines which promote health maintenance and disease prevention.

Prerequisite(s): A minimum grade of "C" in CHEM 1145 or Permission of instructor.**NTFS 3535 Life Cycle Nutrition****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Investigates the role of nutrition and dietary factors on the growth, development and maintenance of health in individuals from birth through aging.

Prerequisite(s): A minimum grade of "C" in NTFS 2530 or NTFS 2535 or NTFS 3534 or permission of instructor.**NTFS 3536 Meal Management****0,3 Credit Hours. 0,1 Lecture Hours. 0,4 Lab Hours.**

Principles of nutrition and food science are integrated with the management process in menu planning and quality meal service.

Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in NTFS 2534 and NTFS 3534 and ServSafe Manager Certification.**NTFS 3537 Advanced Food Science****0,3 Credit Hours. 0,1 Lecture Hours. 0,4 Lab Hours.**

Considers the chemical, physical, and biological properties of food ingredients. Emphasis is placed on investigating the relationship between preparation methods, proportions of ingredients and final product quality.

Prerequisite(s): A minimum grade of "C" in NTFS 2534 and NTFS 3534 and CHEM 3342 and BIOL 2240 and ServSafe Manager Certification.**NTFS 3538 Quantity Food Systems Administration****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides a general knowledge base of quantity food systems administration with a focus on leadership and managerial roles in financial, human resource, and procurement responsibilities. Knowledge and skills are developed in this course to prepare students for administrative positions in quantity food production and service and to prepare them for the application of quantity food production and service principles in a quantity food service facility.

Prerequisite(s): A minimum grade of "C" in NTFS 3536 and ACCT 2030.**NTFS 3630 Sports Nutrition****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides a basic understanding of the importance of nutrition in physical activity and sport performance. Topics will include energy metabolism during exercise, fluid intake and performance, common nutritional deficiencies for athletes/exercisers, and the role of nutritional supplements and ergogenic aids in physical activity.

Prerequisite(s): NTFS 2530 or NTFS 2535 or NTFS 3534.**NTFS 3631 Sustainable Foods****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course explores factors that influence the local 'food system', including farming methods, food production and industrialization, distribution, economics, and politics. Also included in this course is a critical review of the current sustainable food issues of hunger and nutrition, food justice and sovereignty, fair trade, labor issue, farm-to-school/university, community supported agriculture, organic foods, GMO and cloned foods, and food and water safety in the food supply chain. Students participate in a service learning project with the local community garden, the local farmers market, and/or several local farmers to understand the real world application of sustainable foods.

NTFS 3730 Quantity Food Practicum**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Food science theories and principles are applied in an institutional food service facility. Food service production and techniques are developed in this course as are skills in the application of sanitation regulations.

Prerequisite(s): A minimum grade of "C" in NTFS 3537 or NTFS 3538 and ServSafe Manager Certification.**NTFS 4195S International Studies Abroad in Health and Kinesiology****3-9 Credit Hours. 3-9 Lecture Hours. 0 Lab Hours.**

This course offers students the opportunity to examine health, nutrition and food science, or kinesiology practices in a foreign country through travel abroad. Classroom instruction will be combined with on-site experiences to provide a realistic learning experience.

Prerequisite(s): Junior or Senior status.**Cross Listing(s):** KINS 4195S.

NTFS 4534 Medical Nutrition Therapy I**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Investigates the role and benefits of nutritional support and therapy in the metabolic and pathophysiological changes associated with disease in humans. Teaches the application and documentation of the nutritional care process to the needs of patients. Emphasis is placed upon energy in-balance, drug nutrient interactions, metabolic disorders, and gastrointestinal, hepato-biliary, endocrine, and cardiovascular diseases. Students will demonstrate the skills needed to apply the principles of medical nutrition therapy to clinical situations through laboratory experiences.

Prerequisite(s): A minimum grade of "C" in NTFS 3535 and NTFS 3536 and prior or concurrent enrollment in NTFS 4536 with a minimum grade of "C" or permission of instructor.

NTFS 4535 Community Nutrition**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores the role of nutritionists in the delivery of nutrition services through community agencies and health and wellness programs. Planning, implementation, monitoring and evaluation of community-based programs are emphasized. The role of government and the impact of the legislative process on the provision of services is examined.

Prerequisite(s): A minimum grade of "C" in NTFS 2530 or NTFS 2535 or NTFS 3534.

NTFS 4536 Metabolic Nutrition**0-3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.**

Considers the principles of nutrition science with special emphasis on integration of macro and micronutrient.

Prerequisite(s): A minimum grade of "C" in CHEM 3530 and KINS 2532 and KINS 2531 and KINS 2511 and KINS 2512 and NTFS 3534 or permission of instructor.

NTFS 4537 Experimental Food Science**0,3 Credit Hours. 0,1 Lecture Hours. 0,4 Lab Hours.**

Considers the effects of composition, handling, and preparation techniques on food product quality. Emphasis is placed on basic concepts of research methodology, statistical analysis, and preparation of detailed technical reports.

Prerequisite(s): A minimum grade of "C" in NTFS 3537 or STAT 2231 or permission of instructor.

NTFS 4538 Medical Nutrition Therapy II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Investigates the role and benefits of nutritional support and therapy in the metabolic and pathophysiological changes associated with disease in humans. Teaches the application and documentation of the nutritional care process to the needs of patients. Emphasis is placed upon sepsis, burns, trauma, cancer, immune and neurological disorders, hypertension, anemia, pulmonary, bone, and renal diseases, soft tissue disorders and diseases as well as adaptive feeding techniques and specialized equipment, parenteral and enteral nutrition, and complementary/alternative nutrition and herbal therapies. Students will demonstrate the skills needed to apply the principles of medical nutrition therapy to clinical situations through laboratory experiences.

Prerequisite(s): A minimum grade of "C" in NTFS 4534 or permission of instructor.

NTFS 4539 Issues and Trends in Food Science**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of current trends and issues in the field of food science and technology. Issues related to product development, marketing and regulations and standards will be addressed.

Prerequisite(s): A minimum grade of "C" in NTFS 3537 or permission of instructor.

NTFS 4610 Nutrition and Food Science Senior Seminar**1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Provides nutrition and food science seniors with a colloquium in which to prepare and deliver presentations in trends and issues in the field of nutrition and food science in a seminar forum. The course also includes the process of applications for dietetic internships and/or employment opportunities. Resume writing, portfolio review and interviewing skills will be discussed.

Prerequisite(s): A minimum grade of "C" in NTFS 2514 and Senior status.

NTFS 4630 Cultural Foods**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course explores the relationship between food and nutrition, history, geography, culture and traditions, religion, communication, and acculturation. This course includes the study of cultural parameters and current issues that have shaped and continue to influence foodways - food availability, farming and food production practices, economics, politics, globalization, and sustainability. Students will also examine their own heritage and family dynamics to better understand their personal food, nutrition, and health beliefs and practices.

NTFS 4899 Directed Individual Study**1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor. Permission of instructor.

NURS Nursing

NURS 3121 Professional Practice Competencies and Terminology**0-2 Credit Hours. 0-1 Lecture Hours. 0-3 Lab Hours.**

The primary focus of this course is to prepare the professional nurse in the acquisition of safe and competent basic to advanced therapeutic nursing skills. The framework is based on the Essentials of Baccalaureate Nursing Education for Professional Practice. The course is designed to build upon a liberal education in order to develop a generalist nurse capable of delivering safe, high quality patient care as an autonomous or interdependent healthcare team member. Professional, legal, and ethical values are maintained and health care policies, cost containment, and regulatory standards are maintained. The preparation and implementation required in the delivery of care operates from a holistic perspective that is mindful of therapeutic communication strategies, population diversity, lifespan changes, patient learning styles, and the health-illness continuum. Course experiences will expose students to a range of patient care technologies such as assessment or monitoring devices and medication administration systems. Proper documentation of patient data will be addressed from the standpoint of confidentiality as well as the ethical and legal issues related to the use of information technology. A functional use of medical terminology is also included as a practice competency.

Corequisite(s): NURS 3160, NURS 3211, NURS 3230 and admission to the nursing program.

NURS 3130H Crit. Inquiry: Nurs Research**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses upon the research process and enhancement of critical thinking skills. Students learn to critique, analyze, and apply research findings to health promotion of persons, families, groups, and communities. The relationship of nursing research to nursing theory and practice is explored.

NURS 3139 Conceptual Basis of Nursing: Health Promotion Throughout Life**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Promotion Throughout Life Provides an introduction to the B.S.N. Program's framework of Health Promotion Throughout Life. The concepts of person, nursing, health, environment, health promotion, human caring, communication, ethical principles, critical thinking, empowerment, research, cultural sensitivity, and healthcare technology are explored and applied to specific case situations. The student is exposed to the historical aspects of nursing and healthcare, with emphasis on the rural environment, as well as healthcare policy and financial implications in the current healthcare arena. Healthcare delivery systems, barriers to healthcare, and legal aspects of nursing are discussed. The ANA Standards of Nursing Practice are introduced in this course with specific emphasis on caring and ethics.

NURS 3140 Critical Inquiry: Nursing Research and Applied Statistics
0-4 Credit Hours. 0-3 Lecture Hours. 0-3 Lab Hours.

This course focuses upon the research process and enhancement of critical thinking skills. Students learn to critique, analyze, and apply research findings to health promotion of persons, families, groups, and communities. The relationship of nursing research to nursing theory and practice is explored. The statistical component of the research process is covered in this course.

Corequisite(s): NURS 3163, NURS 3252, NURS 3212.**NURS 3150H Intro to Prof Practice Honors****0,5 Credit Hours. 0,3 Lecture Hours. 0,6 Lab Hours.**

This integrated theory/clinical course builds a foundation for professional nursing practice utilizing concepts, principles, and practices which undergird professional nursing practice. Emphasis is on the acquisition of core concepts and the performance of basic nursing skills used in the provision of safe, appropriate, and compassionate care for culturally diverse populations. The course builds on knowledge gained from the arts and sciences and incorporates cognitive, interpersonal, technical and ethical/legal skills learned in adjunct courses into the clinical practice of professional nursing.

NURS 3160 Introduction to Professional Practice**0-6 Credit Hours. 0-3 Lecture Hours. 0-9 Lab Hours.**

This integrated theory/clinical course builds a foundation for professional nursing practice utilizing concepts, principles, and practices which undergird professional nursing practice. Emphasis is on the acquisition of core concepts and the performance of basic nursing skills used in the provision of safe, appropriate, and compassionate care for culturally diverse populations. The course builds on knowledge gained from the arts and sciences and incorporates cognitive, interpersonal, technical and ethical/legal skills learned in adjunct courses into the clinical practice of professional nursing.

Corequisite(s): NURS 3121, NURS 3211, NURS 3230 and admission to the nursing program.**Cross Listing(s):** NURS 3160H.**NURS 3160H Intro to Professional Practice****0-6 Credit Hours. 0-3 Lecture Hours. 0-9 Lab Hours.**

This integrated theory/clinical course builds a foundation for professional nursing practice utilizing concepts, principles, and practices which undergird professional nursing practice. Emphasis is on the acquisition of core concepts and the performance of basic nursing skills used in the provision of safe, appropriate, and compassionate care for culturally diverse populations. The course builds on knowledge gained from the arts and sciences and incorporates cognitive, interpersonal, technical and ethical/legal skills learned in adjunct courses into the clinical practice of professional nursing.

Corequisite(s): NURS 3121, NURS 3211, NURS 3230 and admission to the nursing program.**Cross Listing(s):** NURS 3160H.**NURS 3163 Nursing Care of Adults****0,6 Credit Hours. 0,3 Lecture Hours. 0,9 Lab Hours.**

The theory portion of this course focuses on Health Promotion throughout life incorporating primary, secondary, and tertiary prevention as they apply to illnesses affecting adults. Application of the nursing process through nurse-person partnerships regarding promotion, maintenance, or restoration of health is emphasized through the use of case studies. The practicum portion of this course provides clinical experiences regarding health promotion in rural/urban primary, secondary and tertiary health care settings. Students use the nursing process and other analytical tools to provide care to persons experiencing illnesses. Students build on skills previously mastered while acquiring new skills needed to administer safe and effective care. The practicum gives students the opportunity to integrate theory with clinical practice thereby fostering critical thinking in the solution of problems.

Prerequisite(s): A minimum grade of "C" in NURS 3121, NURS 3160, NURS 3211, NURS 3230 and admission to the nursing program.**Corequisite(s):** NURS 3140, NURS 3212, NURS 3252.**Cross Listing(s):** NURS 3163H.**NURS 3163H Nursing Care of Adults****0,6 Credit Hours. 0,3 Lecture Hours. 0,9 Lab Hours.**

The theory portion of this course focuses on Health Promotion throughout life incorporating primary, secondary, and tertiary prevention as they apply to illnesses affecting adults. Application of the nursing process through nurse-person partnerships regarding promotion, maintenance, or restoration of health is emphasized through the use of case studies. The practicum portion of this course provides clinical experiences regarding health promotion in rural/urban primary, secondary and tertiary health care settings. Students use the nursing process and other analytical tools to provide care to persons experiencing illnesses. Students build on skills previously mastered while acquiring new skills needed to administer safe and effective care. The practicum gives students the opportunity to integrate theory with clinical practice thereby fostering critical thinking in the solution of problems.

Prerequisite(s): A minimum grade of "C" in NURS 3121, NURS 3160, NURS 3211, NURS 3230 and admission to the nursing program.**Corequisite(s):** NURS 3140, NURS 3212, NURS 3252.**Cross Listing(s):** NURS 3163H.**NURS 3211 Pharmacologic and Integrative Therapeutics I****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

The course introduces pharmacologic and other therapeutic modalities appropriate to culturally diverse populations across the lifespan. Ethical, legal, and teaching responsibilities are delineated. Emphasis is placed on roles and responsibilities of the nurse in collaboration with the multidisciplinary team to facilitate health promotion.

Prerequisite(s): Admission to the nursing program.**Corequisite(s):** NURS 3121, NURS 3160, NURS 3230.**Cross Listing(s):** NURS 3211H.**NURS 3211H Pharmacology I (Honors)****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

The course introduces pharmacologic and other therapeutic modalities appropriate to culturally diverse populations across the lifespan. Ethical, legal, and teaching responsibilities are delineated. Emphasis is placed on roles and responsibilities of the nurse in collaboration with the multidisciplinary team to facilitate health promotion.

Prerequisite(s): Admission to the nursing program.**Corequisite(s):** NURS 3121, NURS 3160, NURS 3230.**Cross Listing(s):** NURS 3211.

NURS 3212 Pharmacologic and Integrative Therapeutics II
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

A continuation of pharmacologic and integrative therapies from NURS 3211, this course provides detailed coverage of additional pharmacologic and specific therapeutic modalities appropriate to culturally diverse populations across the lifespan. Emphasis is placed on role and responsibilities of the nurse in collaboration with the multidisciplinary team to facilitate health promotion.

Prerequisite(s): A minimum grade of "C" in NURS 3121, NURS 3160, NURS 3211, NURS 3230.

Corequisite(s): NURS 3140, NURS 3163, NURS 3252...

NURS 3222H Pharmacology II (Honors)
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

A continuation of pharmacologic and integrative therapies from NURS 3221, this course provides detailed coverage of additional pharmacologic and specific therapeutic modalities appropriate to culturally diverse populations across the lifespan. Emphasis is placed on roles and responsibilities of the nurse in collaboration with the multidisciplinary team to facilitate health promotion.

NURS 3230 Health Assessment Across the Lifespan
0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.

The theoretical and laboratory course focuses on the physical, psychosocial, socioeconomic, nutritional, cultural, and spiritual parameters of persons across the lifespan. Facilitates the development of health assessment skills within the Health Promotion framework.

Prerequisite(s): Admission into the nursing program.

Corequisite(s): NURS 3121, NURS 3160, NURS 3211.

Cross Listing(s): NURS 3230H.

NURS 3230H Hth Assesm Across the Lifespan
0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.

The theoretical and laboratory course focuses on the physical, psychosocial, socioeconomic, nutritional, cultural, and spiritual parameters of persons across the lifespan. Facilitates the development of health assessment skills within the Health Promotion framework.

Prerequisite(s): Admission into the nursing program.

Corequisite(s): NURS 3121, NURS 3160, NURS 3211.

Cross Listing(s): NURS 3230.

NURS 3252 Mental Health Nursing
0,5 Credit Hours. 0,3 Lecture Hours. 0,6 Lab Hours.

The theory portion of this course introduces major theoretical concepts in mental health, which relate to the nursing care of persons, families, groups, and communities. Utilizing the Health Promotion Framework, students conceptualize how the enabling factors are incorporated into the assessment of needs and the planning of care of persons with mental health problems. Emphasis is placed on the examination of mental health alterations and the various roles and functions of the professional mental health nurse. The practicum portion of this course allows students to synthesize and apply the major mental health concepts in providing nursing care to persons, families, groups, and communities. Utilizing the Health Promotion Framework, students integrate various factors in assessing, diagnosing, identifying outcomes, planning, implementing, and evaluating mental health nursing care. Emphasis is placed on the application of various treatment modalities, and on the roles and functions of the professional mental health nurse.

Prerequisite(s): A minimum grade of "C" in NURS 3121, NURS 3160, NURS 3211, NURS 3230 and admission to the nursing program.

Corequisite(s): NURS 3140, NURS 3212, NURS 3163.

NURS 3252H Mental Health Nursing
0,5 Credit Hours. 0,3 Lecture Hours. 0,6 Lab Hours.

The theory portion of this course introduces major theoretical concepts in mental health, which relate to the nursing care of persons, families, groups, and communities. Utilizing the Health Promotion Framework, students conceptualize how the enabling factors are incorporated into the assessment of needs and the planning of care of persons with mental health problems. Emphasis is placed on the examination of mental health alterations and the various roles and functions of the professional mental health nurse. The practicum portion of this course allows students to synthesize and apply the major mental health concepts in providing nursing care to persons, families, groups, and communities. Utilizing the Health Promotion Framework, students integrate various factors in assessing, diagnosing, identifying outcomes, planning, implementing, and evaluating mental health nursing care. Emphasis is placed on the application of various treatment modalities, and on the roles and functions of the professional mental health nurse.

Prerequisite(s): A minimum grade of "C" in NURS 3121, NURS 3160, NURS 3211, NURS 3230 and admission to the nursing program.

Corequisite(s): NURS 3140, NURS 3212, NURS 3163.

NURS 3332H Nurs Pathophysiology (Honors)
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course introduces abnormal physiological health transitions across the lifespan incorporating evidence-based interaction in professional practice. Disorders affecting cells, organs, and systems involved in the regulation of structure and function within the human organism are examined. How diseases affect the structures, functions, and systems of the human organism are explored. The influence of genetics, ethnicity, environment, and age are incorporated.

NURS 4090 Selected Topics in Nursing
1-6 Credit Hours. 0-3 Lecture Hours. 0-9 Lab Hours.

This course provides a mechanism for offering selected topics in nursing.

Prerequisite(s): Permission of instructor.

Cross Listing(s): NURS 4090S.

NURS 4090S Selected Topics in Nursing
0-6 Credit Hours. 0-4 Lecture Hours. 0-9 Lab Hours.

This course provides a mechanism for offering selected topics in nursing.

Prerequisite(s): Permission of instructor.

Cross Listing(s): NURS 4090.

NURS 4130 Perspectives on Living While Dying
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The web-based course lays a foundation for students' future interaction with and care of individuals who are dying. Strategies for improving the quality of life during dying and death are examined with attention to application. The physiology of dying and methods of handling circumstances surmounting the process of dying and death are included. The course is directed toward students in helping professions such as nursing, health science, sociology, psychology, and the general student population.

Prerequisite(s): Junior/Senior level or permission of instructor.

NURS 4131 Population Health Care Strategies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Overview of the levels of prevention, epidemiological principles and their impact on health promotion and disease prevention. A major focus is primary prevention relative to exercise/activity. Emphasis is placed on the clinical application of activity for improving health.

Prerequisite(s): Junior/Senior level or permission of instructor.

**NURS 4132 Complementary Therapeutic Modalities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces culturally specific therapeutic modalities that are complementary to western health care. These health care modalities are examined relative to their combination with scientific therapies and professional and lay healers. Ethical, legal, and teaching responsibilities are elaborated. Emphasis is placed on the roles and responsibilities of the nurse in collaboration with the client and the multidisciplinary team to facilitate health promotion.

Cross Listing(s): NURS 4132S.

**NURS 4132S Complementary Therapeutic Modalities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces culturally specific therapeutic modalities that are complementary to western health care. These health care modalities are examined relative to their combination with specific therapies and professional lay healers. Ethical, legal, and teaching responsibilities are elaborated. Emphasis is placed on the roles and responsibilities of the nurse in collaboration with the client and the multidisciplinary team to facilitate health promotion.

Cross Listing(s): NURS 4132.

**NURS 4133 Complex Nursing Concepts
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course provides an opportunity for thorough analysis of complex concepts relative to nursing such as person, environment, health, holistic nursing, caring, rurality, spirituality, and power. Multiple theoretical models are analyzed: Health Promotion, Caring, Transcultural Nursing and others. Case study analysis and other modes, including field work, are used to apply models to life events such as birth, death and changes in health status. Attention is given to the availability and use of community resources for individuals and families experiencing dynamic change and complex health events. Additionally, considerable attention is given to the impact of social, economic, cultural, legal, and ethical variables on the experience of profound life events.

Prerequisite(s): Admitted to RN-BSN Program.

**NURS 4138 Nursing Leadership and Management: Health Promotion VIII
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on health promotion in nursing through leadership and management in multidisciplinary environments. The importance of critical thinking to effective nursing leadership within a culturally diverse and changing health care system is emphasized. Course content includes management and leadership theories and skills, management techniques, change strategies, healthcare technology, and role transition strategies to assist the new professional nurse.

Prerequisite(s): A minimum grade of "C" in NURS 4351, NURS 4352, NURS 4353.

Corequisite(s): NURS 4229, NURS 4354, NURS 4728.

Cross Listing(s): NURS 4138H.

**NURS 4138H Nursing Leadership and Management: Health Promotion VIII
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on health promotion in nursing through leadership and management in multidisciplinary environments. The importance of critical thinking to effective nursing leadership within a culturally diverse and changing health care system is emphasized. Course content includes management and leadership theories and skills, management techniques, change strategies, healthcare technology, and role transition strategies to assist the new professional nurse.

Prerequisite(s): A minimum grade of "C" in NURS 4351, NURS 4352, NURS 4353.

Corequisite(s): NURS 4229, NURS 4354, NURS 4728.

Cross Listing(s): NURS 4138.

**NURS 4160 Nursing Leadership and Management: Principles and Practice
6 Credit Hours. 3 Lecture Hours. 9 Lab Hours.**

This combined didactic and clinical course provides the basis for enabling students to function in a collaborative role within a multidisciplinary healthcare team. Core concepts such as nursing leadership, staff and financial management, staffing models, quality and risk management, collaboration and decision making are introduced. A variety of learning strategies are incorporated into the learning environment to promote self-evaluation, analysis of current related issues, skill development, leadership capacity, and critical thinking. Students use self-reflection to create vision and direction in terms of leadership and professional development goals. Other learning strategies that enhance the student's ability to function at an optimal level, such as self-care, time and organizational strategies, and stress management, and which are important to successful leadership, are studied and applied.

Prerequisite(s): Admission into the RN-BSN/RN-MSN Program.

**NURS 4211 Pharmacologic and Integrative Therapeutics III
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

A continuation of pharmacologic and integrative therapies from NURS 3212, this course provides detailed coverage of additional pharmacologic and specific therapeutic modalities appropriate to culturally diverse populations across the lifespan relative to child, family, and community populations. Emphasis is placed on roles and responsibilities of the nurse in collaboration with the multidisciplinary team to facilitate health promotion.

Prerequisite(s): A minimum grade of "C" in NURS 3163, NURS 3252, NURS 3212, NURS 3140.

Corequisite(s): NURS 4351, NURS 4352, NURS 4353.

**NURS 4229 Health Promotion: A Critical Analysis of Nursing Concepts
0,2 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.**

Facilitates the synthesis and application of major concepts of the Health Promotion framework in the nursing care of persons, families, groups, and communities. Students utilize the enabling factors in leading seminar discussions and engaging in critical discourse and case analysis.

Successful completion of a comprehensive summative examination is required to pass the course.

Prerequisite(s): A minimum grade of "C" in NURS 4351, NURS 4352, NURS 4353.

Corequisite(s): NURS 4138, NURS 4354, NURS 4728.

**NURS 4341 Population Focused Nursing
4 Credit Hours. 4 Lecture Hours. 3 Lab Hours.**

This course is designed to aid the public health nurse in developing and/or revitalizing skills essential in population-based practice in conjunction with clinical/preventive skills already obtained in the workforce. Emphasis will be on conducting community assessments, planning and implementing appropriate interventions based assessment findings, presenting health data to groups, facilitating the development of community coalitions, and collaboration with community partners for effective change in health policy.

Prerequisite(s): Permission of instructor.

NURS 4351 Nursing Care of Developing Families
0,5 Credit Hours. 0,3 Lecture Hours. 0,6 Lab Hours.

The theory portion of this course focuses on health promotion of developing families throughout the perinatal experience. Content focuses on theories of developing families, the four trimesters of pregnancy, parenting, family developments tasks, and health education. Knowledge acquired in the Nursing Care of Developing Families is utilized in planning and implementing therapeutic nursing interventions which are empowering in promoting, maintaining, and restoring their health. Students utilize the nursing process in the provision of nursing care for selected persons and families. The enabling factors of human caring, communication, ethical principles, critical thinking, empowerment, research, cultural sensitivity, and health care technology are used in the delivery of nursing care. The practicum portion of this course focuses on health promotion of developing families throughout the perinatal experience. Knowledge acquired in the Nursing Care of Developing Families is utilized in planning and implementing therapeutic nursing interventions which are empowering in promoting, maintaining, and restoring their health. Students utilize the nursing process in the provision of nursing care for selected persons and families. The enabling factors of human caring, communication, ethical principles, critical thinking, empowerment, research, cultural sensitivity, and health care technology are used in the delivery of nursing care.

Prerequisite(s): A minimum grade of "C" in all of the following: NURS 3212, NURS 3140 and prior or concurrent enrollment in NURS 3163, NURS 3252.

Corequisite(s): NURS 4211, NURS 4352, NURS 4353.

NURS 4352 Nursing Care of Children
0,5 Credit Hours. 0,3 Lecture Hours. 0,6 Lab Hours.

The theory portion of this course focuses on the role of the nurse in partnership with families for the purpose of promoting health and development of children. Family health is viewed as integral to children's health. Theory and research serve as the basis for the effective utilization of enabling factors in the nursing care of children and their families. Content focuses on the health promotion needs of infants, toddlers, preschoolers, schoolagers, and adolescents. The practicum portion of this course focuses on health promotion of children and their families. Knowledge acquired in the classroom is used in assessing, analyzing, planning, implementing, and evaluating nursing care to promote, maintain, and restore health of children. Clinical experiences are provided in rural hospitals and community settings.

Prerequisite(s): A minimum grade of "C" in all of the following: NURS 3212, NURS 3140 and prior or concurrent enrollment in NURS 3163, NURS 3252 and admission to nursing program.

Corequisite(s): NURS 4211, NURS 4351, NURS 4353.

NURS 4353 Community Health Nursing
0,5 Credit Hours. 0,3 Lecture Hours. 0,6 Lab Hours.

The theory portion of this course focuses on health promotion of diverse cultures in the rural community. Students synthesize and apply previously introduced health promotion concepts. Concepts of community health nursing, including principles and application of epidemiology and community assessment, are introduced. Students analyze variables that place populations at risk and design appropriate interventions. The importance of critical thinking and caring are stressed in the provision of therapeutic nursing interventions to culturally diverse persons, families, groups, and communities. The practicum portion of this course focuses on the provision of nursing within community settings. Students assess and identify health problems of persons, families, groups and communities. Focus of activities is on health promotion in partnership with selected persons, families, groups, and communities.

Prerequisite(s): A minimum grade of "C" in all of the following: NURS 3212, NURS 3140 and prior or concurrent enrollment in NURS 3163, NURS 3252 and admission to nursing program.

Corequisite(s): NURS 4211, NURS 4351, NURS 4352.

NURS 4353H Community Health Nursing (Hon)
0,5 Credit Hours. 0,3 Lecture Hours. 0,6 Lab Hours.

The theory portion of this course focuses on health promotion of diverse cultures in the rural community. Students synthesize and apply previously introduced health promotion concepts. Concepts of community health nursing, including principles and application of epidemiology and community assessment, are introduced. Students analyze variables that place populations at risk and design appropriate interventions. The importance of critical thinking and caring are stressed in the provision of therapeutic nursing interventions to culturally diverse persons, families, groups, and communities. The practicum portion of this course focuses on the provision of nursing within community settings. Students assess and identify health problems of persons, families, groups and communities. Focus of activities is on health promotion in partnership with selected persons, families, groups, and communities.

Prerequisite(s): A minimum grade of "C" in all of the following: NURS 3212, NURS 3140 and prior or concurrent enrollment in NURS 3163, NURS 3252 and admission to nursing program.

Corequisite(s): NURS 4211, NURS 4351, NURS 4352.

NURS 4354 Advanced Nursing Care of Adults
0,5 Credit Hours. 0,3 Lecture Hours. 0,6 Lab Hours.

The theory portion of this course focuses on the pathophysiological mechanisms, nursing diagnosis and management of persons experiencing complex and/or life-threatening health problems. Students analyze current trends in the provision of care to persons with medical surgical, critical, and/or end of life conditions and how these trends impact nursing, persons, and families in rural/urban settings. The practicum portion of this course focuses on the provision of nursing care to persons who are experiencing complex and/or life threatening health problems. Students work with a registered nurse mentor in rural and urban settings offering complex, critical, and/or end of life care. Students explore legal and ethical dilemmas which affect the care of persons with critical and/or end of life conditions.

Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in NURS 4351, NURS 4352, NURS 4353 and admission to nursing program.

Corequisite(s): NURS 4138, NURS 4229, NURS 4728.

NURS 4728 Preceptorship
2 Credit Hours. 0 Lecture Hours. 8 Lab Hours.

The practicum provides an opportunity for the student to: a) practice varied leadership roles, including the management of groups and the art of delegation and b) gain an intensive nursing experience in a clinical specialty are of interest to the student. Students work with a qualified nurse preceptor in a variety of clinical areas and locations.

Prerequisite(s): NURS 4351, NURS 4352, NURS 4353.

Corequisite(s): NURS 4138, NURS 4229, NURS 4354.

NURS 4890 Independent Study
1-3 Credit Hours. 1-3 Lecture Hours. 0-9 Lab Hours.

Allows the individual student to study or investigate an area of interest under the direction of a faculty member.

Prerequisite(s): Permission of instructor.

Cross Listing(s): NURS 4890S.

NURS 4890S Independent Study
1-3 Credit Hours. 1-3 Lecture Hours. 0-9 Lab Hours.

Allows the individual student to study or investigate an area of interest under the direction of a faculty member.

Prerequisite(s): Permission of instructor.

Cross Listing(s): NURS 4090.

NURS 5131 Scientific and Medical Terminology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed for undergraduate level students interested in expanding their knowledge of medical terminology and related pathophysiology. This is a fully on-line course. Emphasis is placed on etymology, definition, pronunciation and correct utilization of medical terms, enabling the student to develop a vocabulary essential to understanding and communicating within the various health areas in which allied health professionals serve. An audio-visual approach to anatomy, physiology, pathology, diagnostics, and treatment regimens offers content information and language comprehension skills applicable to other dimensions.

Cross Listing(s): NURS 5131G.

NURS 5210 Advanced Health Assessment Across the Lifespan Clinical

1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

Lifespan advanced health assessment clinical course requires the application of concepts and skills learned in NURS 5230. Group discussions provide the opportunity for learning synthesis. ninety clinical hours are required in settings which provide experience for health, developmental and diagnostic assessments, and histories and physical examinations of adults, pregnant women, children and newborns. On-campus seminar and laboratory practice and off-campus experiences in ambulatory settings with laboratory facilities serving diverse populations is required.

Corequisite(s): NURS 5230.

Cross Listing(s): NURS 5210G.

NURS 5230 Lifespan Advanced Health Assessment for APN
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The health assessment course builds on basic assessment to evaluate persons across the life span within a transcultural context. Principles and techniques necessary to complete a total health history, developmental assessment, nutritional evaluation, physical examination and documentation of findings to form a data base on the individual, pregnant female and newborn are included. Recognition of pathological signs and symptoms associated with illness and the assessment of health promotion needs are emphasized. Selected diagnostic procedures are covered.

Corequisite(s): NURS 5210.

Cross Listing(s): NURS 5230G.

NURS 5311 Cultural Immersion in International Health Care
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

The course introduces history, health systems, economics, values, social etiquette, and daily life. Interpersonal, family and health care patterns in a foreign country are emphasized in preparation for cross-cultural health study. Students taking course for graduate credit will complete additional assignments. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Corequisite(s): NURS 5332.

Cross Listing(s): NURS 5311G.

NURS 5332 Introduction to International Nursing Research
3 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

This course examines international nursing research methods and design with a focus on global health, specifically related to health disparities in underserved populations in local, national, and international areas. Students taking course for graduate credit will complete additional assignments. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Corequisite(s): NURS 5311.

Cross Listing(s): NURS 5332G.

NURS 5793 Introduction to International Research Application I
5-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

This course provides an implementation of international research methods through supervised research activities with a focus on health disparities in underserved populations in international settings. Students taking course for graduate credit will complete additional assignments. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in NURS 5311 and NURS 5332.

Corequisite(s): NURS 5794.

Cross Listing(s): NURS 5793G, NURS 5793S.

NURS 5793S Intl Research Application I
5-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

This course provides an implementation of international research methods through supervised research activities with a focus on health disparities in underserved populations in international settings. Students taking course for graduate credit will complete additional assignments. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in NURS 5311 and NURS 5332.

Corequisite(s): NURS 5794.

Cross Listing(s): NURS 5793, NURS 5793G.

NURS 5794 Introduction to International Research Application II
4-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

This course provides an analysis and evaluation of the international research process. Cultural immersion with a focus on health disparities and exploration of the health care system in the host country is provided. Students taking course for graduate credit will complete additional assignments. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in NURS 5311 and NURS 5332.

Corequisite(s): NURS 5793.

Cross Listing(s): NURS 5794S, NURS 5794G.

NURS 5794S Intl Research Application II
4-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

This course provides an analysis and evaluation of the international research process. Cultural immersion with a focus on health disparities and exploration of the health care system in the host country is provided. Students taking course for graduate credit will complete additional assignments. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in NURS 5311 and NURS 5332.

Corequisite(s): NURS 5793.

Cross Listing(s): NURS 5794, NURS 5794G.

PHIL Philosophy

PHIL 2010 Introduction to Philosophy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is an introductory course which surveys the ideas of some of the great philosophers of the Western world, focusing on issues about religion, ethics, reality, and ways of knowing.

PHIL 2010H Introduction to Philosophy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is an introductory course which surveys the ideas of some of the great philosophers of the Western world, focusing on issues about religion, ethics, reality, and ways of knowing.

Cross Listing(s): PHIL 2010, PHIL 2010S.

PHIL 2010S Introduction to Philosophy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This is an introductory course which surveys the ideas of some of the great philosophers of the Western world, focusing on issues about religion, ethics, reality, and ways of knowing.

Cross Listing(s): PHIL 2010, PHIL 2010H.

PHIL 2020 Critical Thinking**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an introduction to the concepts and skills necessary for identifying, evaluating, and constructing good arguments. Topics will include strategies that are used to strengthen or weaken an argument, spot fallacious ways of reasoning, and identify hidden assumptions. The course also studies the basic elements of deductive reasoning.

PHIL 2030 Introduction to Ethics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an introduction to the main concepts of philosophical ethics such as virtue, duty, utility, rights, and liberty. The course also introduces philosophers whose ethical theories have been historically the most influential, such as Aristotle, Kant, and Mill.

PHIL 2131 Classical Political Thought**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****PHIL 3030 Selected Topics in Philosophy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Selected Topics.

PHIL 3030S Selected Topics in Philosophy**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Selected Topics.

PHIL 3131 World Religions**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The teachings concerning people and their relations to God and the world found in the major world religions. Judaism, Christianity, Islam, Hinduism, Confucianism, Jainism, and Buddhism are among the religions studied.

Cross Listing(s): RELS 3131.

PHIL 3230 Modern Political Thought**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course in modern political thought is concerned with the differentiation of politics as an activity distinct from, and independent of, religion. Political thinkers in the modern period are distinguished by their turn to scientific and other modern modes of rationality as foundations for the analysis of politics. Central concerns include delineating the rights and powers of the individual and establishing a secular basis for a just society.

Cross Listing(s): POLS 3230.

PHIL 3232 Philosophy of Law**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of major topics in the philosophy of law, all of which concern the relationship of law to morality and justice—including the nature of law in general; the importance of the rule of law and of limiting the rule of law; and some theory and practice of criminal law.

Cross Listing(s): POLS 3232.

PHIL 3330 Introduction to Art and Beauty**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A critical study of the philosophical theories about the nature of art and beauty drawing from both traditional and contemporary thinkers. Topics include defining art and beauty justifying aesthetic judgments, analyzing artistic creation, and determining the value of art.

Cross Listing(s): PHIL 3330S.

PHIL 3330H Intro to Art & Beauty (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A critical study of the philosophical theories about the nature of art and beauty drawing from both traditional and contemporary thinkers. Topics include defining art and beauty justifying aesthetic judgments, analyzing artistic creation, and determining the value of art.

Cross Listing(s): PHIL 3330S.

PHIL 3330S Introduction to Art & Beauty**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A critical study of the philosophical theories about the nature of art and beauty drawing from both traditional and contemporary thinkers. Topics include defining art and beauty justifying aesthetic judgments, analyzing artistic creation, and determining the value of art.

Cross Listing(s): PHIL 3330.

PHIL 3332 Contemporary Moral Problems**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A course in applied ethics which provides a philosophic discussion of the most salient ethical problems of the day. Typically the course will cover such topics as abortion, animal rights, euthanasia, capital punishment, and suicide.

PHIL 3334 Environmental Ethics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the moral relations between human beings and their natural environment. The course examines theories of valuing nature, applies ethical analysis to environmental problems, and explores the underlying causes of environmental degradation.

Prerequisite(s): PHIL 1030 or PHIL 2010.

PHIL 3431 Ancient Philosophy**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The main ideas of Socrates, Plato, Aristotle, the Stoics, the Epicureans, Plotinus, and St. Augustine and a consideration of how those ideas apply to our lives.

Cross Listing(s): PHIL 3431S.

PHIL 3431S Ancient Philosophy**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The main ideas of Socrates, Plato, Aristotle, the Stoics, the Epicureans, Plotinus, and St. Augustine and a consideration of how those ideas apply to our lives.

Cross Listing(s): PHIL 3431.

PHIL 3432 Modern Philosophy**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The main ideas held by philosophers in the seventeenth and eighteenth centuries, tracing many of the positions that lead us to think as we do today. Thinkers included are Bacon, Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant, Galileo, Kepler, and Newton.

PHIL 3433 Nineteenth Century European Philosophy**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the Continental philosophers of the nineteenth century and their ideas regarding the nature of knowledge, truth, reality, God, religion, society, and humanity. Philosophers studied include Hegel, Marx, Schopenhauer, Kierkegaard, and Nietzsche.

Cross Listing(s): PHIL 3433S.

PHIL 3433S Nineteenth Century European Philosophy**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the Continental philosophers of the nineteenth century and their ideas regarding the nature of knowledge, truth, reality, God, religion, society, and humanity. Philosophers studied include Hegel, Marx, Schopenhauer, Kierkegaard, and Nietzsche.

Cross Listing(s): PHIL 3433.

PHIL 3434 Contemporary Philosophy**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the main philosophical movements of the twentieth century, primarily in the English-speaking world. The course will stress the importance of language in thinking about some of the traditional problems of philosophy, such as what can be known and what exists. Readings will include selections from Russell, Wittgenstein, Moore, and others.

PHIL 3531 Theory of Knowledge**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the main theories concerning the nature of knowledge and belief. Topics will include problems of scepticism, the reliability of perception and memory, and the sources of justification.

PHIL 3532 Metaphysics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the main theories concerning the nature of reality. Topics will include what things exist, the nature of space, time, matter, self, freedom, infinity, and God.

Cross Listing(s): PHIL 3532S.

PHIL 3532S Metaphysics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the main theories concerning the nature of reality. Topics will include what things exist, the nature of space, time, matter, self, freedom, infinity, and God.

Cross Listing(s): PHIL 3532.**PHIL 3635 Existentialism****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the existentialist movement in philosophy from its origins to the present, showing how and why the movement began, what its authors advocate, and how it has been assessed by contemporary critics. Readings will include selections from Kierkegaard, Jaspers, Heidegger, Sartre, and others.

Cross Listing(s): RELS 3635.**PHIL 4130 Feminist Philosophy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the main topics in Feminist Philosophy to include the adversary method and the 'maleness' of philosophy; dualities of mind and body, male and female, self and other; women's ways of knowing; caring and maternal thinking; and ecofeminism. Feminist philosophy addresses these ideals and assumptions in the western philosophic traditions that have oppressed women and other subordinate groups.

Cross Listing(s): WGST 4130.**PHIL 4233 Introduction to Formal Logic****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Fundamentals of propositional and predicate logic. Emphasis will be placed on construction of proofs in formal systems.

PHIL 4333 20th Century Ethical Theory**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Main trends in twentieth century normative ethical theory in the Western World, to include Intuitionism, Emotivism, Prescriptivism, Act and Rule Utilitarianism, and Contractarianism.

PHIL 4433 The Irish Philosophical Tradition**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the history of Irish Philosophy, from the Irish Augustine, a seventh-century monk, to contemporary philosophers working in Ireland today. Special emphasis is placed on the Irish contribution to Empiricism in the work of Robert Boyle, William Molyneux, and George Berkeley.

Cross Listing(s): PHIL 4433S.**PHIL 4532 Philosophy of Emotions****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is designed to help students understand the nature of emotions, and to enable students to become better equipped to understand their own emotions. Students will study and critically evaluate the major contemporary theories of emotion as well as historical accounts of emotion.

PHIL 4533 Philosophy of Mind**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the most important questions in the philosophy of mind. The course will ask what minds are, whether statements about minds can be replaced by or reduced to statements about brains, what consciousness is, and whether there can be artificial intelligence.

PHIL 4534 Philosophy in Film**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course investigates philosophical issues that are raised in film, as well as the effectiveness of film as a philosophical medium. Films are analyzed for their philosophical content. This content is then investigated in further detail.

PHIL 4632 Philosophy of Religion**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An in-depth examination of religious teachings and basic philosophical problems associated with them. Topics considered will include creation, salvation, life after death, the origin of evil, religious experience, and God.

Cross Listing(s): RELS 4632.**PHIL 5030 Selected Topics in Philosophy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Selected Topics in Philosophy. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): PHIL 5030G, PHIL 5030S.**PHIL 5030S Selected Topics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Selected Topics in Philosophy. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): PHIL 5030, PHIL 5030G.

PHYS Physics

PHYS 1111 Introduction to Physics I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is the first of a sequence of courses which provide a working knowledge of the basic principles of physics. Topics include mechanics, oscillations and wave motion. The student should have had pre-calculus, or have an equivalent knowledge of algebra and trigonometry.

Prerequisite(s): MATH 1113 or MATH 1112.**Corequisite(s):** PHYS 1113.**PHYS 1111S Intro Phys I/CoReq PHYS 1113****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is the first of a sequence of courses which provide a working knowledge of the basic principles of physics. Topics include mechanics, oscillations and wave motion. The student should have had pre-calculus, or have an equivalent knowledge of algebra and trigonometry.

Prerequisite(s): MATH 1113 or MATH 1112.**Corequisite(s):** PHYS 1113.**PHYS 1112 Introduction to Physics II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is the second in a sequence of two courses which provide a knowledge of the basic principles of physics using application that require a knowledge of trigonometry and elementary algebra. Topics include electricity and magnetism, optics and modern physics.

Prerequisite(s): PHYS 1111.**Corequisite(s):** PHYS 1114.**PHYS 1113 Physics Lab I****1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.**

This is the first of two laboratory courses that provide the laboratory part of PHYS 1111, PHYS 1112, PHYS 2211, and PHYS 2212. Provides laboratory work on mechanics, wave motion and thermodynamics. In the event the student drops the lecture portion of the course, the lab should also be dropped.

Prerequisite(s): Prior or concurrent enrollment in either PHYS 1111 or PHYS 2211.**PHYS 1113H Phy Lab I/CoReq PHYS 1111/2211****1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.**

This is the first of two laboratory courses that provide the laboratory part of PHYS 1111, PHYS 1112, PHYS 2211, and PHYS 2212. Provides laboratory work on mechanics, wave motion and thermodynamics. In the event the student drops the lecture portion of the course, the lab should also be dropped.

Prerequisite(s): Prior or concurrent enrollment in either PHYS 1111 or PHYS 2211.

PHYS 1114 Physics Lab II**1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.**

This is a set of experimental studies on electricity and magnetism, optics and modern physics. Serves as the laboratory portion of PHYS 2212 and PHYS 1112. In the event a student drops PHYS 2212 or PHYS 1112, this course may not be continued unless the student has already completed either PHYS 2212 or PHYS 1112.

Prerequisite(s): PHYS 1111 or PHYS 2211, and PHYS 1113.**PHYS 1114H Phy LabII/CoReq PHYS 1112/2212****1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.**

This is a set of experimental studies on electricity and magnetism, optics and modern physics. Serves as the laboratory portion of PHYS 2212 and PHYS 1112. In the event a student drops PHYS 2212 or PHYS 1112, this course may not be continued unless the student has already completed either PHYS 2212 or PHYS 1112.

Prerequisite(s): PHYS 1111 or PHYS 2211, and PHYS 1113.**PHYS 1135 How Things Work****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is a non-mathematical course designed for liberal arts students. Fifty-one objects in our everyday world are examined to answer the question "How do they work?". As a result concepts of physics that everyone uses daily are revealed in an interesting and understandable manner.

PHYS 1149 Environmental Physics**0,4 Credit Hours. 0,4 Lecture Hours. 0 Lab Hours.**

A general course on the physical basis of environmental science. Emphasis is placed on the identification and effective amelioration of both natural and man-made hazards to the earth's biosphere. Topics include greenhouse effects, ozone, acid rain, energy production and water disposal, radiation hazards, noise pollution and disruptive natural phenomena.

PHYS 1211K Principles of Physics I**4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.**

An introductory course which will include material from mechanics, thermodynamics and waves. Elementary differential calculus will be used. This course has a laboratory component that requires a lab kit.

PHYS 2211 Principles of Physics I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is the first of a sequence of two courses that provide a working knowledge of the basic principles of physics using applications requiring a knowledge of calculus. Topics include mechanics, wave motion and thermodynamics.

Prerequisite(s): MATH 1441.**Corequisite(s):** PHYS 1113.**PHYS 2211H Principles of Physics I (HONORS)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is the first of a sequence of two courses that provide a working knowledge of the basic principles of physics using applications requiring a knowledge of calculus. Topics include mechanics, wave motion and thermodynamics.

Prerequisite(s): MATH 1441H.**Corequisite(s):** PHYS 1113.**PHYS 2212 Principles of Physics II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is the second of a sequence of courses which provide a working knowledge of the basic principles of physics using applications requiring a knowledge of calculus. Topics include electricity, magnetism, optics and modern physics.

Corequisite(s): PHYS 1114.**PHYS 2212H Principles of Physics II (HONORS)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is the second of a sequence of courses which provide a working knowledge of the basic principles of physics using applications requiring a knowledge of calculus. Topics include electricity, magnetism, optics and modern physics.

Prerequisite(s): A minimum grade of "C" in PHYS 2211.**Corequisite(s):** PHYS 1114.**PHYS 3130 Sound Waves and Acoustics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the production, transformation, reflection, absorption, and general effects of vibration and sound.

Prerequisite(s): A minimum grade of "C" in PHYS 2211 and PHYS 2212.**PHYS 3131 Optics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Geometric, physical, and quantum optics in which the general principles of wave optics and several optical devices are studied.

Prerequisite(s): A minimum grade of "C" in PHYS 2211 and PHYS 2212.**Cross Listing(s):** ASTR 3131.**PHYS 3149 Methods of Theoretical Physics****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Presents a discussion of methods for solving the equations that arise in all of the major areas of physics.

Prerequisite(s): MATH 3230 and a minimum grade of "C" in PHYS 2211 and PHYS 2212.**PHYS 3520 Problem Solving in Physics****2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

Improves the ability of Physics majors to rapidly consolidate and inter-relate knowledge of their physics courses by familiarization with the techniques of rapid characterization and solution of problems and by in-class practice of rapid problem-solving.

Prerequisite(s): PHYS 3537.**PHYS 3536 Modern Physics I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Historical development of modern physics including topics on special theory of relativity, early models of the atom, atomic radiations and interaction of electrons with matter.

Prerequisite(s): A minimum grade of "C" in PHYS 2211 and PHYS 2212.**PHYS 3537 Modern Physics II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A continuation of modern physics topics including atomic and molecular physics and nuclear physics.

Prerequisite(s): PHYS 3536.**PHYS 3537H Modern Physics II (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A continuation of modern physics topics including atomic and molecular physics and nuclear physics.

PHYS 3539 Introduction to Biophysics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The physics of living organisms with emphasis on physical support, movement, sensory perception and the physical properties of plant and animal processors at the molecular and organismic levels of organization. Permission of instructor required.

PHYS 3542 Analog Electronics**4 Credit Hours. 2 Lecture Hours. 6 Lab Hours.**

A course in intermediate electronics with emphasis on topics of interest to students in physics. Discusses electronic instruments, transducers, diodes and power supplies. Amplifier behavior, the operational amplifier and wave shaping circuits are covered in detail. Discrete electronic devices are also discussed.

Prerequisite(s): A minimum grade of "C" in PHYS 2211 and PHYS 2212.

PHYS 3543 Digital Electronics**4 Credit Hours. 2 Lecture Hours. 6 Lab Hours.**

Presents the concepts and application of digital electronics. Digital logic concepts and techniques are presented. Flip-flops and counting circuits are studied extensively resulting in a discussion of digital instrument development. The principles of operation, general architecture and some applications of the microprocessor (the Intel 8085) are discussed.

Prerequisite(s): PHYS 3542.**PHYS 3558 Introduction to General Relativity****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the metric description of different spacetimes that describe flat and various curved geometries so as to derive the laws of mechanics for planets, stars, black holes, etc. The course also introduces a very simple model of the expanding universe and briefly introduces cosmology.

Prerequisite(s): PHYS 3537.**Cross Listing(s):** ASTR 3558.**PHYS 3558H Intro to General Relativity****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the metric description of different spacetimes that describe flat and various curved geometries so as to derive the laws of mechanics for planets, stars, blackholes, etc. The course also introduces a very simple model of the expanding universe and briefly introduces cosmology.

PHYS 3790 Teaching Internship in Physics**1-2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The internship allows students to investigate teaching practices in physics. The student will participate in an introductory workshop immediately prior to the start of the semester, intern in a PHYS 1113 and/or PHYS 1114 laboratory, and meet with the faculty mentor one hour each week throughout the semester. 1 credit hour per laboratory section in which the student interns.

Prerequisite(s): A minimum grade of "C" in PHYS 2212.**Cross Listing(s):** ASTR 3790.**PHYS 4131 Quantum Optics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Involves theories related to laser spectroscopy, nonlinear optics, laser pulse propagation, laser cooling and various effects in laser spectroscopy related to quantum interference.

Prerequisite(s): A minimum grade of "C" in PHYS 3536.**PHYS 4232 Properties of Materials****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the properties of semiconductors, magnetic materials and superconductors. Particular emphasis will be placed on semiconductors with regard to developing an understanding of light emitting diodes, diode lasers and quantum well devices.

Prerequisite(s): A minimum grade of "C" in PHYS 2211 and PHYS 2212.**PHYS 4332 Principles of Lasers****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the basic principles of laser oscillation, construction and operation of the most common laser systems, based on the rate equation and laser cavity theory. This course also provides practical experience in the use of many laser systems and in laser radiation safety.

Prerequisite(s): A minimum grade of "C" in PHYS 2211 and PHYS 2212.**PHYS 4421 Advanced Physics Lab I****2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

A laboratory course where the student will learn classical laboratory techniques, computer data acquisition, statistical analysis of data and proper reporting of results.

Prerequisite(s): A minimum grade of "C" in PHYS 2212.**PHYS 4422 Advanced Physics Lab II****2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

This is a laboratory course where students will learn how to critically read scientific literature, develop a research proposal, conduct experimental physics research, and present a research project.

Prerequisite(s): PHYS 4421.**Cross Listing(s):** PHYS 4421H.**PHYS 4422H Advanced Physics Lab II****2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

This is a laboratory course where students will learn how to critically read scientific literature, develop a research proposal, conduct experimental physics research, and present a research project.

Prerequisite(s): PHYS 4421.**Cross Listing(s):** PHYS 4421.**PHYS 4790 Internship in Physics****1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The internship allows physics majors to work in a professional setting related to their chosen concentration. Students can earn between one and six credits for internships approved by their academic advisor and the Physics Internship Director. Students must complete a minimum of 5 hours of on-site work per week for each credit hour earned. Students must maintain contact with the Physics Internship Director through the course of the internship work, and must give an oral presentation at the end of the semester. Internship credits can be used for elective credit only and may not substitute for specific degree requirements. Requires permission of Physics Internship Director.

PHYS 5090 Selected Topics in Physics**2-5 Credit Hours. 0-5 Lecture Hours. 0-6 Lab Hours.**

A course allowing for investigation of selected topics in Physics; it will be taught on a one-time basis. Lecture only course can be for two, three, or five credit hours. For laboratory courses, one credit hour will be given for every three hours spent working in lab. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in PHYS 1112 or PHYS 2212.**Cross Listing(s):** ASTR 5090, ASTR 5090G, PHYS 5090G.**PHYS 5151 Classical Mechanics****5 Credit Hours. 5 Lecture Hours. 0 Lab Hours.**

Provides physics majors and student of applied mathematics and engineering with the fundamentals of analytical mechanics. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): PHYS 2211 and PHYS 2212 with a minimum grade of "C", and MATH 3230.**PHYS 5152 Classical E and M Theory****5 Credit Hours. 5 Lecture Hours. 0 Lab Hours.**

Provides physics majors and students of applied mathematics and engineering with the fundamentals of electromagnetic field theory. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): PHYS 5151.**Cross Listing(s):** PHYS 5152G.**PHYS 5530 Thermal Physics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A course in classical thermodynamics and kinetic theory. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): PHYS 2211 and PHYS 2212, with a minimum grade of "C", and MATH 2243 or MATH 2243H.

PHYS 5536 Studies in Physics for Secondary Teachers**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to acquaint the student with some of the problems encountered in high school physics presentations. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): MATH 1113.**Cross Listing(s):** PHYS 5536G.**PHYS 5557 Quantum Mechanics****5 Credit Hours. 5 Lecture Hours. 0 Lab Hours.**

A study of the basic postulates of quantum mechanics with solutions to Schrodinger's wave equation for simple applications: the techniques of calculating position, energy and momentum with operators and the elements of perturbation theory with application to atomic spectra. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): PHYS 3536, PHYS 3537, and MATH 3230.**Cross Listing(s):** PHYS 5557G.**PHYS 5890 Physics Research Experience****1-4 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.**

An independent physics research experience in which a student will investigate a research question under the direction of a faculty member. Students will be expected to maintain a laboratory notebook, prepare a written summary of the research, and give an oral presentation at the end of the experience. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Permission of instructor is required.

Cross Listing(s): ASTR 5890, ASTR 5890G, PHYS 5890G.**PHYS 5890H Physics Research Experience****1-4 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.**

An independent physics research experience in which a student will investigate a research question under the direction of a faculty member. Students will be expected to maintain a laboratory notebook, prepare a written summary of the research, and give an oral presentation at the end of the experience.

POLS Political Science

POLS 1101 American Government**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Surveys government and politics, with additional attention to the government and the Constitution of Georgia. Topics include the constitutional structure of American government, the role of non-governmental institutions such as interest groups and mass media, the role of governmental institutions such as Congress and the Presidency, the operation of major political process such as elections and policy making, and the interaction between institutions and processes. Satisfies the Georgia Constitution and U.S. Constitution requirements.

Cross Listing(s): POLS 1101H, POLS 1101S.**POLS 1101H Introduction to American Government****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Surveys government and politics, with additional attention to the government and the Constitution of Georgia. Topics include the constitutional structure of American government, the role of non-governmental institutions such as interest groups and mass media, the role of governmental institutions such as Congress and the Presidency, the operation of major political process such as elections and policy making, and the interaction between institutions and processes. Satisfies the Georgia Constitution and U.S. Constitution requirements.

Cross Listing(s): POLS 1101, POLS 1101S.**POLS 1101S Introduction to American Government****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Surveys government and politics, with additional attention to the government and the Constitution of Georgia. Topics include the constitutional structure of American government, the role of non-governmental institutions such as interest groups and mass media, the role of governmental institutions such as Congress and the Presidency, the operation of major political process such as elections and policy making, and the interaction between institutions and processes. Satisfies the Georgia Constitution and U.S. Constitution requirements.

Cross Listing(s): POLS 1101, POLS 1101H.**POLS 2101 Introduction to Political Science****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the concepts that are considered in the systematic study of politics, such as justice, equality, regimes, and democracy. This course will examine the means by which political scientists explore politics theoretically and in applied settings. Required of all majors and minors in political science.

Prerequisite(s): POLS 1101.**Cross Listing(s):** POLS 2101S.**POLS 2101H Intro to Political Science (H)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the concepts that are considered in the systematic study of politics, such as justice, equality, regimes, and democracy. This course will examine the means by which political scientists explore politics theoretically and in applied settings. Required of all majors and minors in political science.

Prerequisite(s): POLS 1101.**Cross Listing(s):** POLS 2101S.**POLS 2101S Introduction to Political Science****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the concepts that are considered in the systematic study of politics, such as justice, equity, regimes, and democracy. This course will examine the means by which political scientists explore politics theoretically and in applied settings. Required of all majors and minors in political science.

Prerequisite(s): POLS 1101.**Cross Listing(s):** POLS 2101.**POLS 2130 Introduction to Political Analysis****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is part of a two-course foundation for Political Science majors. In Introduction to Political Science, students were introduced to the who, what, when, where, and why of Political Science. In this course, students will learn the how; in other words, how Political Scientists use the concepts, tools, and approaches available to them to understand the political world. Students will learn the tools of research design and both qualitative and quantitative techniques that are actively used in the discipline. Additionally, students will learn how the writing process unfolds from puzzle to final manuscript and presentation. The final goal of this course is to create an original, independent research design that can be completed in an upper-level Political Science course for presentation at a professional conference and/or publication in a professional journal.

Prerequisite(s): A minimum grade of "C" in POLS 2101.**POLS 3111H Honors Thesis Seminar I****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

In a seminar setting, students will conduct readings about the research process with a focus on developing an honors thesis proposal.

Prerequisite(s): Minimum junior standing.**POLS 3112H Honors Thesis Seminar II****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

In a seminar setting, students will continue to progress toward researching and writing the honors thesis. Particular emphasis will be given to construction of a comprehensive literature review and research design.

Prerequisite(s): A minimum grade of "C" in POLS 3111H; minimum junior standing.

POLS 3130 Qualitative Research Methods**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the major theoretical models currently used in political science and to qualitative research techniques and methodologies. Students will have direct experience in data collection, analysis, and research reporting.

Prerequisite(s): POLS 1101 and POLS 2101.**POLS 3132 Asian Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the diversities across and within all the major countries in the region including India, Pakistan, Bangladesh, Nepal, Sri Lanka, Indonesia, the Philippines, Thailand, Malaysia, Singapore, Myanmar/Burma, Vietnam and Cambodia. It analyzes the following key themes in the context of South and Southeast Asia - nationalism, colonialism, regime change, economic development, civil society and social movements, political conflict, and ethno-religious pluralism.

Cross Listing(s): INTS 3132, INTS 3132S, POLS 3132S.**POLS 3132S Asian Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the diversities across and within all the major countries in the region including India, Pakistan, Bangladesh, Nepal, Sri Lanka, Indonesia, the Philippines, Thailand, Malaysia, Singapore, Myanmar/Burma, Vietnam and Cambodia. It analyzes the following key themes in the context of South and Southeast Asia - nationalism, colonialism, regime change, economic development, civil society and social movements, political conflict, and ethno-religious pluralism.

Cross Listing(s): INTS 3132, INTS 3132S, POLS 3132.**POLS 3133 Latin American Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the major domestic and international factors in comparative Latin American political systems. Special attention and detail is given to the challenges of development and democratization.

Cross Listing(s): LAST 3133, LAST 3133S, POLS 3133S.**POLS 3133S Latin American Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the major domestic and international factors in comparative Latin American political systems. Special attention and detail is given to the challenges of development and democratization.

Cross Listing(s): LAST 3133, LAST 3133S, POLS 3133.**POLS 3134 Middle East Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines political change and economic development of the Middle East in the last century, focusing on colonialism, radical Islam, oil politics, Arab nationalism, the Arab-Israeli conflict, and the U.S. role in the Middle East.

Cross Listing(s): INTS 3134, POLS 3134H.**POLS 3134H Middle East Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines political change and economic development of the Middle East in the last century, focusing on colonialism, radical Islam, oil politics, Arab nationalism, the Arab-Israeli conflict, and the U.S. role in the Middle East.

Cross Listing(s): INTS 3134, POLS 3134.**POLS 3135 Legislative Behavior****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The ability of elected bodies whether they are local, state, regional, or national to represent the preferences of their constituents is linked to the ability of elected officials, their staffs, and the executive agency administrators to manage change in an arena of inadequate information. This course will examine decision making, agenda setting, elections, and institutional arrangements with a particular concern for the mechanisms legislatures have for processing information. Students will become familiar with the three contemporary approaches to the study of legislatures: historical, behavioral, and formal.

POLS 3136 The Presidency**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An analysis of the political, constitutional, behavioral, symbolic and policy roles of the President. Attention is also paid to the linkages between the Presidency and the other government and political institutions.

POLS 3137 Judicial Politics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

In this course, students analyze and evaluate judicial politics by examining the actors, institutions, processes, and procedures that contribute to the formulation, administration, and adjudication of the law.

Prerequisite(s): A minimum grade of "C" in POLS 1101.**Cross Listing(s):** CRJU 3137.**POLS 3138 Constitutional Law: Government Powers****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the constitutional development of the national government through landmark Supreme Court decisions. Topics include: judicial power, separation of power, federalism, and interstate commerce.

POLS 3139 Constitutional Law: Civil Liberties and Civil Rights**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the study of the Bill of Rights through landmark Supreme Court decisions. Topics include freedom of speech, press, and religion, the right to privacy, rights of the accused, search and seizure law, and equal protection of the law.

POLS 3230 Modern Political Thought**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course in modern political thought is concerned with the differentiation of politics as an activity distinct from, and independent of, religion. Political thinkers in the modern period are distinguished by their turn to scientific and other modern modes of rationality as foundations for the analysis of politics. Central concerns include delineating the rights of powers of the individual and establishing a secular basis for a just society.

Cross Listing(s): PHIL 3230.**POLS 3231 Environmental Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines important topics in United States environmental protection policy-making. It does so within the institutional context of American politics, including the congressional, presidential, administrative, judicial, intergovernmental, and constituency components of decisions relating to environmental protection. These decisions will be examined using the focus of the regionally important aspects of environmental quality such as water, air, and land resources.

Cross Listing(s): POLS 3231S.**POLS 3231S Environmental Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines important topics in United States environmental protection policy-making. It does so within the institutional context of American politics, including the congressional, presidential, administrative, judicial, intergovernmental, and constituency components of decisions relating to environmental protection. These decisions will be examined using the focus of the regionally important aspects of environmental quality such as water, air, and land resources.

Cross Listing(s): POLS 3231.**POLS 3232 Philosophy of Law****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of major topics in the philosophy of law, all of which concern the relationship of law to morality and justice-including the nature of law in general; the importance of the rule of law and of limiting the rule of law; and some theory and practice of criminal law.

Cross Listing(s): PHIL 3232.

POLS 3233 Politics and The Media**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A comprehensive overview of the institutions and processes of the mass media in American politics. Emphasis is given to the history and role of the mass media in the United States and to the use of the media in covering news events as well as in political campaigns.

POLS 3234 Introduction to the European Union**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will introduce students to the history, institutions, policies, and cultures of the European Union and its member states.

Cross Listing(s): EURO 3234, EURO 3234S, INTS 3234, INTS 3234S, POLS 3234S.

POLS 3234S Introduction to the European Union**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will introduce students to the history, institutions, policies, and cultures of the European Union and its member states.

Cross Listing(s): EURO 3234, EURO 3234S, INTS 3234, INTS 3234S, POLS 3234.

POLS 3235 Gender and Politics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the relationship of women to political life and to political theory-building. Focuses on political socialization, behavior, and institutional impact based on gender, using a comparative cross-national approach.

Cross Listing(s): POLS 3235S.

POLS 3235S Gender and Politics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the relationship of women to political life and to political theory-building. Focuses on political socialization, behavior, and institutional impact based on gender, using a comparative cross-national approach.

Cross Listing(s): POLS 3235.

POLS 3236 International Relations**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the basic concepts of international relations, including those of war and peace, power, foreign policy, international organization, markets, demography, ecology, and the impact of information technology. Students will be provided with the necessary concepts, theories, and methods used in the discipline including quantitative analysis in order to gain a better understanding of the nature and problems of international relations.

Cross Listing(s): INTS 3236, INTS 3236S, POLS 3236S.

POLS 3236S International Relations**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the basic concepts of international relations, including those of war and peace, power, foreign policy, international organizations, markets, demography, ecology, and the impact of information technology. Students will be provided with the necessary concepts, theories, and methods used in the discipline including quantitative analysis in order to gain a better understanding of the nature and problems of international relations.

Prerequisite(s): POLS 1101 or POLS 2101.

Cross Listing(s): INTS 3236, INTS 3236S, POLS 3236.

POLS 3237 African American Politics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A basic appreciation of the nature, processes, structures, and functions of African American politics in the domestic and international arena and how they differ from dominant assumptions, theories, approaches, and models of American politics. Focus is on how to seek and maintain empowerment.

POLS 3239 Human Rights in International Relations**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will explore the vulnerability of various political minorities to human rights abuses at the global level and provide an assessment of the roles of states, international organizations, and non-governmental organizations in human rights issues.

Cross Listing(s): INTS 3239, INTS 3239S.

POLS 3330 State and Local Government**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the forms of organizations, the functions, and the operations of the 50 state governments. Special attention will be given to the growing problems in the urban areas such as the interplay of politics, pressure groups, and community power structures.

POLS 3331 Introduction to Bureaucratic Politics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the socio-political impacts of modern bureaucracies, how modern bureaucracy has emerged as a "fourth branch" of federal government (including historical development), and its ability to influence policy making with particular emphasis on implementation.

Cross Listing(s): POLS 3331S.

POLS 3331S Introduction to Bureaucratic Politics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of how local, state, and federal governments make use of human resources, financial resources, and information resources to assist in policy making, provide services to citizens, and exercise the regulatory power of government.

Cross Listing(s): POLS 3331.

POLS 3332 Political Parties and Elections**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A comprehensive overview of the institutions and processes that connect the public to government institutions. Course emphasis is given to the history and structure of the political parties in the United States and the electoral process and voting at and below the presidential level.

POLS 3333 Southern Politics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the changing political conditions and trends within the eleven states of the American South since WWII. Students will examine the events which led to the unique political environment one encounters in the South. The primary focus will be on the political environment, but also on social, cultural, and economic variables as they relate to the political system.

POLS 3334 Film and Politics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Considers how the art of film has contributed to an understanding of major twentieth-century political events and thoughts. Topics include war, nationalism, authoritarianism, the Cold War, presidential politics and campaigning, populism and the ethos of democracy in classic and contemporary film.

POLS 3335 Ethnicity and Nationalism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines ethnicity and nationalism in comparative perspective. It discusses a wide variety of social and political phenomena including identity, language, violence, religion, class, gender and colonialism. Ethnic groups in almost every multiethnic country continue to compete with one another over issues of economic equity, political decentralization, power-sharing, language, educational policies and cultural rights. This course explores why and how power and passion of these groups are created by comparing ethnic conflicts across the globe and analyzes the following factors - language, religion, race, historical memories, values, territory, customs, symbols, myths and other cultural attributes.

POLS 3336 Classical Political Thought**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines political themes and thinkers from the Ancient Greeks to the Renaissance.

POLS 3336S Classical Political Thought**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines political themes and thinkers from the Ancient Greeks to the Renaissance.

POLS 3337 Language, Power, Politics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An in-depth investigation of the role of language in national and international power structures. Comparative evaluation of language in social organization of politics, economic policy and law as aggregated by race, culture, ethnicity, class, group ideology and gender. Emphasis on social policy management and minority/linguistic rights.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** ANTH 3337, LING 3337.**POLS 3338 Language and Law****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A critical examination of language as a problem-solving device and tool for understanding argument and legal contestation. Delineation of individual rights, institutional authority and legal jurisdiction with emphasis on language and legal power. Analysis of the sociology of language and law within the concepts of human rights and socio-political entitlements.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**POLS 3431 African Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines salient themes and background of contemporary African political systems. The emphasis will be on government and politics of modern Africa bearing on the emergence of post-colonial states and regional and global ramifications.

Cross Listing(s): POLS 3431S.**POLS 3431S African Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines salient themes and background of contemporary African political systems. The emphasis will be on government and politics of modern Africa bearing on the emergence of post-colonial states and regional and global ramifications.

Cross Listing(s): POLS 3431.**POLS 3432 Celtic Identity and Conflict****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines contemporary issues raised by the conflict in Northern Ireland by studying conflicts in the broader historical context of the experience of the Celtic people in Ireland, Scotland, and Wales who sought to preserve their political and cultural identities in the British Isles.

Cross Listing(s): IRSH 3432.**POLS 3433 Survey of Comparative Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces students to the basic concepts of comparative politics, including those of democratization, regime transition, electoral politics, political parties, ethnic conflict, and economic development. Students will be provided with the necessary concepts, theories, and methods used in the discipline including quantitative and qualitative analysis in order to gain a better understanding of the nature and problems of comparative politics.

POLS 3712 Community Development**1-2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Covers the various meanings of and approaches to community development. Students will be required to work with nonprofit community development organizations outside of class for either 4 hours per week (one credit) or 10 hours per week (two credits) in addition to classroom meetings.

Prerequisite(s): POLS 1101.**POLS 3730 Introduction to United Nations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The preamble to the Charter of the United Nations identifies several ambitious goals, which framed the establishment of this international organization, including a desire "to save succeeding generations from the scourge of war" and to promote fundamental human rights, social progress, and economic development. In this course, students will be introduced to the concepts of international organizations and the part that they play today in international politics. Specifically, we will examine the United Nations, its structure and function, its failures and successes, and what the future holds for this organization.

Cross Listing(s): INTS 3730.**POLS 3831 Reading For Honors****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Reading for Honors in Political Science. Departmental approval required.

POLS 4031 Selected Topics in Political Science**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Selected Topics in Political Science.

Cross Listing(s): POLS 4031S, POLS 4031H.**POLS 4031H Selected Topics in PSC Honors****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Selected Topics.

Cross Listing(s): POLS 4031.**POLS 4031S Selected Topics in Political Science****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Selected Topics in Political Science.

Cross Listing(s): POLS 4031.**POLS 4111H Honors Thesis Seminar III****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

In a seminar setting, students will continue writing and revising their thesis.

Prerequisite(s): A minimum grade of "C" in POLS 3112H; minimum junior standing.**POLS 4112H Honors Thesis Seminar IV****1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.**

Students will complete the final honors thesis and present their findings at a research symposium.

Prerequisite(s): POLS 4111H; minimum junior standing.**POLS 4130 American Political Thought****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines political themes and thinkers from the Colonial to the Contemporary period.

POLS 4131 Introduction to Public Affairs**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the policy process in the American political system focusing on the analysis, formulation, implementation, and evaluation of public policies. Specific policy areas such as welfare, information technology, education, health, and foreign policy are examined.

Prerequisite(s): POLS 1101.**POLS 4132 U.S. Foreign Policy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides basic information and understanding of the key elements and actions involved in the formulation and execution of U.S. foreign policy. Special attention is given to the impact of U.S. foreign policy on the international system.

Cross Listing(s): INTS 4132.**POLS 4133 International Political Economy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the interplay between international politics and international economics or business or the process of international wealth acquisition and transfer. Emphasis will be on the dynamics that give rise to asymmetric distributions: who gets what, when and how among different players in the global economy.

POLS 4134 International Law and Diplomacy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Examines the body of literature, concepts, and historical perspectives of international law and diplomacy as related to the critical problems of the Post-Cold War era. Focuses on the legal, oral, and strategic dimensions of several past, present, and proposed means of conflict resolution.

Cross Listing(s): POLS 4134S.

POLS 4134S International Law and Diplomacy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Examines the body of literature, concepts, and historical perspectives of international law and diplomacy as related to the critical problems of the Post-Cold War era. Focuses on the legal, oral, and strategic dimensions of several past, present, and proposed means of conflict resolution.

Cross Listing(s): POLS 4134.

POLS 4135 International Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An analytical study of the organization, powers, and problems of global and regional international agencies with particular emphasis upon the European Union.

Cross Listing(s): INTS 4135.

POLS 4136 Politics of the Global North
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course focuses on examination of the cultural, social, and political factors that contribute to the structure, function, and problems of contemporary nation-states in the Global North.

Cross Listing(s): INTS 4136, INTS 4136S, POLS 4136S.

POLS 4136S Politics of the Global North
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course focuses on examination of the cultural, social, and political factors that contribute to the structure, function, and problems of contemporary nation-states in the Global North.

Cross Listing(s): INTS 4136, INTS 4136S, POLS 4136.

POLS 4137 Politics of the Global South
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of government and politics in the major developing countries of Latin America, Africa, and Asia. Historical, cultural, religious, and economic factors influencing the political systems of these countries are also studied.

Cross Listing(s): INTS 4137.

POLS 4138 International Terrorism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Designed to explore the political, religious, economic, and social issues which pervade the global environment. Key issues to be addressed include different forms of terrorism, conflict resolution, and at the state level reunification issues. Emphasizes the critical, and perhaps, decisive and controlling impact which terrorist groups level on policy changes.

Cross Listing(s): INTS 4138.

POLS 4139 Contemporary Political Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Theorists since the onset of the twentieth century have questioned the scientific foundations of modern political ideas and institutions. Issues to be discussed may include the nature and limits liberalism, the rise of mass politics, the benefits and dangers of modern technology, and the emergence of multiculturalism and feminism.

POLS 4238 International Conflict
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Examines the causes of international and civil war, including theories about alliances, power, bargaining, arms races, conventional and nuclear deterrence, nuclear weapon proliferation, and ethnicity.

POLS 4534 Feminist Political Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course examines how conceptions of gender have informed notions of political agency, community, and identity. This course foregrounds the role of gender relations in redefining the nature and significance of politics.

POLS 4730 Model United Nations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Prepares students for Georgia Southern's participation in the National Model United Nations Conference in New York City in the spring of each year. Students learn the structure, function and organization of the United Nations as well as in-depth knowledge of the particular country that they will be representing in New York. Emphasis is placed on learning parliamentary procedure and diplomatic skills as part of the research conducted for becoming an advocate of the country being represented.

Prerequisite(s): A minimum grade of "C" in INTS 3730 or POLS 3730.

Cross Listing(s): INTS 4730.

POLS 4731 Model United Nations II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed for students in the second year of their participation on Georgia Southern University's National Model United Nations (NMUN) delegation. In addition to studying a different country and region of the world which requires students to learn the history, culture, and foreign policies of their assigned country, NMUN students also research and write on topics in different United Nations committees. Second-year delegates also take on added responsibility to plan, coordinate, and execute three Georgia Southern-sponsored Model United Nations conferences. Emphasis is placed on learning the intricacies and nuances of parliamentary procedure as it applies to both the Middle School and High School conferences conducted by Georgia Southern University.

Prerequisite(s): A minimum grade of "C" in POLS 4730 or INTS 4730.

Cross Listing(s): INTS 4731.

POLS 4733 Theories of Justice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A consideration of the primary theories of justice formulated through history. Examines and evaluates the theoretical foundations of conceptions of justice from a variety of perspectives.

Prerequisite(s): CRJU 1100 CRJU 1100S or POLS 1101 or POLS 1101S or POLS 1101H.

Cross Listing(s): CRJU 4733, CRJU 4733S.

POLS 4791 Field Internship in Political Science
3-15 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

The internship is designed to give students practical experience in a government-qualified agency and environment.

Prerequisite(s): POLS 1101 and POLS 2101; departmental approval required.

POLS 4890 Independent Study in Political Science
1-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Independent Study in Political Science.

Cross Listing(s): POLS 4890S.

POLS 4890S Independent Study in Political Science
1-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Independent Study.

POLS 5630 Seminar in American Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A systematic focus on major themes and issues in American public policy and their roots in American politics. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): POLS 5630G.

POLS 5631 Seminar in Political Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A seminar focusing on selected theoretical topics. Emphasis will be placed on normative theory and the history of political thought. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): POLS 5631G.

POLS 5632 Seminar in Urban Politics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on the political development of urban areas in the United States from colonial to modern times, including the growth of cities, urban political machines, post-war suburbanization, the structure of urban governments, and the challenges of urban development today. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): POLS 5632G.**POLS 5633 Seminar in International Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to familiarize students with the theories which guide the conduct and analysis of international relations. These theories are examined in both their classical and contemporary context and used to evaluate and assess international relations' phenomena. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): POLS 5633G, INTS 5633, INTS 5633G.**POLS 5634 Seminar in Comparative Politics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to familiarize students with the theories which guide the conduct and analysis of international relations. These theories are examined in both their classical and contemporary context and used to evaluate and assess international relations' phenomena. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): POLS 5634G, INTS 5634, INTS 5634G.**POLS 5635 Seminar in International Organizations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An analytical study of the organization, powers, and problems of global and regional international agencies with particular emphasis upon the European Union. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): POLS 5635G, INTS 5635, INTS 5635G.**POLS 5930 Political Science Honors Thesis****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A substantial research project in Political Science structured jointly by a University Honors Program student and a Political Science Department faculty member, approved by the University Honors Program Director. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): POLS 5930G.

PRCA Public Relations

PRCA 2330 Introduction to Public Relations**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces the history, theories, and principles of public relations, and the role and practice of public relations in various organizational contexts.

Prerequisite(s): COMM 2332.**PRCA 2330S Intro to PR****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces the history, theories, and principles of public relations, and the role and practice of public relations in various organizational contexts.

Prerequisite(s): COMM 2332.**PRCA 3030 Selected Topics in Public Relations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Offers varied courses in specialized areas of the field of Public Relations.

Prerequisite(s): PRCA 23300, departmental approval required.**Cross Listing(s):** PRCA 3030S.**PRCA 3030S Selected Topics in Public Relations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Offers varied courses in specialized areas of the field of Public Relations.

Prerequisite(s): PRCA 2330.**Cross Listing(s):** PRCA 3030.**PRCA 3330 Public Relations Writing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

In this course, students examine writing techniques employed in media management programs including the strategic design and development of multimedia messages and message dissemination.

Prerequisite(s): A minimum grade of "C" in MMJ 2331, PRCA 2330.**PRCA 3330S PR Writing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

In this course, students examine writing techniques employed in media management programs including the strategic design and development of multimedia messages and message dissemination.

Prerequisite(s): A minimum grade of "C" in MMJ 2331, PRCA 2330.**PRCA 3331 Corporate Public Relations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the role of public relations within a corporation and its responsibilities in developing and maintaining external and internal relations.

Prerequisite(s): PRCA 2330.**PRCA 3332 Public Relations Event Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides students with the opportunity to learn and implement planning techniques and strategies unique to events. Special emphasis will be placed on non-profit creation of an event to meet organizational goals.

Prerequisite(s): A minimum grade of "C" in PRCA 3330.**PRCA 3333 International Public Relations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces the performance of public relations in international contexts. Consideration will be given to the political, economic, social, and historical contexts affecting public relations practices. Special emphasis will be placed on the interaction between government and public relations.

Prerequisite(s): PRCA 2330.**Cross Listing(s):** INTS 3333, PRCA 3333S.**PRCA 3333S International Public Relations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces the performance of public relations in international contexts. Consideration will be given to the political, economic, social, and historical contexts affecting public relations practices. Special emphasis will be placed on the interaction between government and public relations.

Prerequisite(s): PRCA 2330.**Cross Listing(s):** INTS 3333, PRCA 3333.**PRCA 3334 Social Media and Public Relations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides students the opportunity to learn about and create specialized organizational print and online publications such as brochures and newsletters.

Prerequisite(s): PRCA 2330, PRCA 3330.**Cross Listing(s):** PRCA 3339S.**PRCA 3339 Public Relations Publications****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides students the opportunity to learn about and create specialized organizational print and online publications such as brochures and newsletters.

Prerequisite(s): PRCA 2330, PRCA 3330.**Cross Listing(s):** PRCA 3339S.

PRCA 3339S Public Relations Publications**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides students the opportunity to learn about and create specialized organizational print and online publications such as brochures and newsletters.

Prerequisite(s): PRCA 2330, PRCA 3330.**Cross Listing(s):** PRCA 3339.**PRCA 3711 Public Relations Practicum****1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.**

Provides limited practical experience in public relations projects in either an academic or a professional setting. A maximum of four hours may be applied toward a degree.

Prerequisite(s): PRCA 2330.**PRCA 4330 Public Relations Research****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores the role of public opinion in public relations. Students will gather, analyze and use qualitative and quantitative audience research as part of a public relations program.

Prerequisite(s): PRCA 2330.**PRCA 4331 Public Relations Firms****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Reviews the evolution and management of public relations firms, and principals involved in counseling clients.

Prerequisite(s): PRCA 3330.**PRCA 4332 Public Relations Crisis Communication****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides understanding of how crises affect an organization's public relations efforts. Students will learn strategies for anticipating crises and developing communications responses.

Prerequisite(s): PRCA 3330.**PRCA 4335 Senior Seminar in Public Relations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines ethical issues and current topics in the practice of public relations.

Prerequisite(s): PRCA 2330, PRCA 3330, PRCA 4330.**PRCA 4339 Public Relations Campaign Strategies****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An advanced course in which students analyze cases and apply principles, processes, and theories of public relations to the execution of campaigns.

Prerequisite(s): PRCA 2330, PRCA 3330, PRCA 4330.**PRCA 4711 Public Relations Practicum****1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.**

Provides limited practical experience in public relations projects in either an academic or a professional setting. A maximum of four hours may be applied toward a degree.

Prerequisite(s): PRCA 3330.**PRCA 4791 Public Relations Internship****3-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides practical experience in a professional public relations setting with public relations practitioner supervision. May be taken only by public relations majors.

Prerequisite(s): PRCA 3330.**PRCA 4791S PR Internship****3-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides practical experience in a professional public relations setting with public relations practitioner supervision. May be taken only by public relations majors.

Prerequisite(s): PRCA 3330.**PRCA 4792 Public Relations Internship****3 Credit Hours. 0 Lecture Hours. 15 Lab Hours.**

Provides practical experience in a professional public relations setting with public relations practitioner supervision. May be taken only by public relations majors.

Prerequisite(s): PRCA 2330, PRCA 3330.**PRCA 4793 Public Relations Internship****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides practical experience in a professional public relations setting with public relations practitioner supervision. May be taken only by public relations majors.

Prerequisite(s): PRCA 2330, PRCA 3330.**PRCA 4794 Public Relations Internship****3 Credit Hours. 0 Lecture Hours. 15 Lab Hours.**

Provides practical experience in a professional public relations setting with public relations practitioner supervision. May be taken only by public relations majors.

Prerequisite(s): PRCA 2330, PRCA 3330.**PRCA 4831 Directed Study in Public Relations****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Offers students opportunities to design and conduct independent research and/or projects in specialized public relations areas. May be taken only once.

Prerequisite(s): PRCA 2330, departmental approval required.

PSYC Psychology

PSYC 1101 Introduction to Psychology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the major concepts and findings in the fundamental subfields of psychology encouraging their application to the understanding of human behavior in everyday life.

Cross Listing(s): PSYC 1101H, PSYC 1101S.**PSYC 1101H Introduction to Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the major concepts and findings in the fundamental subfields of psychology encouraging their application to the understanding of human behavior in everyday life.

Cross Listing(s): PSYC 1101, PSYC 1101S.**PSYC 1101S Introduction to Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of the major concepts and findings in the fundamental subfields of psychology encouraging their application to the understanding of human behavior in everyday life.

Cross Listing(s): PSYC 1101H, PSYC 1101.**PSYC 2210 Careers in Psychology****1 Credit Hour. 1-2 Lecture Hours. 0 Lab Hours.**

Reviews research and theories of college student development, familiarizes students with career options in psychology, helps students clarify personal interests and career goals, and prepares them for job searching or admission to graduate school. Required of all psychology majors.

Prerequisite(s): PSYC 1101.**PSYC 2231 Psychological Statistics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Students learn to choose, execute, interpret, and present results for the statistical procedures most commonly used in psychological research.

Prerequisite(s): A minimum grade of "C" in PSYC 1101, MATH 1101, MATH 1111, MATH 1112, MATH 1113, MATH 1232, MATH 1441.**PSYC 3030 Selected Topics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on humanistic and transpersonal approaches to psychology, those "third" and "fourth" forces that offer a view of the person which goes beyond that offered by positivistic behavioral theory or by classical psychoanalytic theory.

Cross Listing(s): PSYC 3030S.

PSYC 3030S Selected Topics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on humanistic and transpersonal approaches to psychology, those "third" and "fourth" forces that offer a view of the person which goes beyond that offered by positivistic behavioral theory or by classical psychoanalytic theory.

Cross Listing(s): PSYC 3030.**PSYC 3090 Selected Topics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****PSYC 3130 Psychological Tests and Measurements****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides an overview of psychological assessment with emphasis on the construction of psychological tests.

Prerequisite(s): A minimum grade of "C" in PSYC 1101.**PSYC 3141 Research Methods in Psychology****4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

Students learn the fundamental principles of research in psychology, including experimental, quasi-experimental, and correlational approaches.

Prerequisite(s): A minimum grade of "C" in PSYC 1101 and PSYC 2231.**Cross Listing(s):** PSYC 3141H.**PSYC 3141H Research Methods in Psychology****4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

Students learn the fundamental principles of research in psychology, including experimental, quasi-experimental, and correlational approaches.

Prerequisite(s): PSYC 1101, PSYC 2231, STAT 2231.**Cross Listing(s):** PSYC 3141.**PSYC 3230 Psychology of Adjustment****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies the factors that promote psychological adjustment with emphasis on self-help techniques.

Prerequisite(s): PSYC 1101.**PSYC 3231 Psychology of Religion****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the literature of the psychology of religion, including the functions of religiousness, types of religious experiences, religious motivation, and the relationship between religion and mental health.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** RELS 3231.**PSYC 3231H Psychology of Religion- Honors****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the literature of the psychology of religion, including the functions of religiousness, types of religious experiences, religious motivation, and the relationship between religion and mental health.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** RELS 3231.**PSYC 3232 Psychology of Gender****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines biological and environmental determinants of gender, as well as, the role of gender in cognitive functioning, personality, physical and mental health, interpersonal relationships, and work life.

Prerequisite(s): PSYC 1101, PSYC 1101S, PSYC 1101H.**Cross Listing(s):** INTS 3232.**PSYC 3232H Psychology of Gender (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines biological and environmental determinants of gender, as well as, the role of gender in cognitive functioning, personality, physical and mental health, interpersonal relationships, and work life.

Prerequisite(s): PSYC 1101.**PSYC 3234 Industrial/Organizational Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to psychological study of behavior in the workplace, including application of psychology to such areas as personnel testing, job performance and employee morale.

Prerequisite(s): PSYC 1101.**PSYC 3235 Behavior Modification****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introductory survey of the application of learning principles and procedures used in the establishment, maintenance, and modification of complex human behavior in clinical situations, as well as the natural environment with particular attention given to ethical issues associated with the use of behavior change techniques.

Prerequisite(s): PSYC 1101.**PSYC 3236 Psychology of Substance Abuse****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An intensive and critical analysis of the normative and deviant use of various substances with emphasis placed on substance use, misuse, and abuse within a framework integrating the psychological, social, and biological aspects of substance use throughout history, including stimulant, depressant, hallucinogenic, and psychotherapeutic drugs.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3236H.**PSYC 3236H Substance Abuse (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An intensive and critical analysis of the normative and deviant use of various substances with emphasis placed on substance use, misuse, and abuse within a framework integrating the psychological, social, and biological aspects of substance use throughout history, including stimulant, depressant, hallucinogenic, and psychotherapeutic drugs.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3236.**PSYC 3237 Psychology of Human Sexuality****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on sexual motivation, attraction and love, sexual orientation, sexual techniques, sexual morals and politics, paraphilia, erotica, sexual dysfunctions and therapy, and the place of sexuality in the experience of being human, with secondary attention given to sexual anatomy and physiology, and contraception.

Prerequisite(s): PSYC 1101.**PSYC 3330 Abnormal Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to provide an introduction to the concepts of "normal" and "abnormal" behavior, the traditional categories of psychological disorders, and the etiology of these disorders.

Prerequisite(s): A minimum grade of "C" in PSYC 1101.**Cross Listing(s):** PSYC 3330S.**PSYC 3330H Abnormal Psychology (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to provide an introduction to the concepts of "normal" and "abnormal" behavior, the traditional categories of psychological disorders, and the etiology of these disorders.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3330S.**PSYC 3330S Abnormal Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed to provide an introduction to the concepts of "normal" and "abnormal" behavior, the traditional categories of psychological disorders, and the etiology of these disorders.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3330.**PSYC 3331 Child Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies psychological theories, research and application of psychology as these relate to the social and cognitive development of the child from conception through adolescence.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3331H.

PSYC 3331H Child Psychology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies psychological theories, research and application of psychology as these relate to the social and cognitive development of the child from conception through adolescence.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3331.**PSYC 3332 Psychology of Adolescence****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines theories and research on physical, cognitive, personality, and social development in adolescence, emphasizing normal development. This course will not satisfy the requirements in adolescent psychology or educational psychology for teacher certification.

Prerequisite(s): PSYC 1101.**PSYC 3333 Lifespan Developmental Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides a comprehensive overview of normal human development from conception through old age.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3333H, PSYC 3333S.**PSYC 3333H Lifespan Dev. Psych. (Honors)****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides a comprehensive overview of normal human development from conception through old age.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3333, PSYC 3333S.**PSYC 3333S Lifespan Dev. Psych.****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides a comprehensive overview of normal human development from conception through old age.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3333.**PSYC 3334 Social Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies the social determinants of human behavior and surveys current theories and findings in such major content areas as social cognition, attitudes, prejudice, gender roles, conformity, obedience, interpersonal attraction, prosocial behavior, aggression, and group influence.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3334S.**PSYC 3334H Social Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies the social determinants of human behavior and surveys current theories and findings in such major content areas as social cognition, attitudes, prejudice, gender roles, conformity, obedience, interpersonal attraction, prosocial behavior, aggression, and group influence.

PSYC 3334S Social Psychology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies the social determinants of human behavior and surveys current theories and findings in such major content areas as social cognition, attitudes, prejudice, gender roles, conformity, obedience, interpersonal attraction, prosocial behavior, aggression, and group influence.

Prerequisite(s): PSYC 1101.**PSYC 3335 Personality Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Surveys research findings on selected aspects of personality, as well as determinants and development of personality, research methods, and personality assessments.

Prerequisite(s): PSYC 1101.**PSYC 3336 Humanistic and Transpersonal Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on humanistic and transpersonal approaches to psychology, those "third" and "fourth" forces that offer a view of the person which goes beyond that offered by positivistic behavioral theory or by classical psychoanalytic theory.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3336H, RELS 3336.**PSYC 3336H Humanistic and Transpersonal Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on humanistic and transpersonal approaches to psychology, those "third" and "fourth" forces that offer a view of the person which goes beyond that offered by positivistic behavioral theory or by classical psychoanalytic theory.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3336.**PSYC 3534 Psychology of Language****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction focusing on the psychological mechanisms underlying the acquisition and use of language from cognitive and social psychological perspectives.

Prerequisite(s): A minimum grade or "C" in PSYC 1101 or LING 3533 or LING 3630.**Cross Listing(s):** LING 3534.**PSYC 3890 Research Experience****1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Students work with a faculty member on his/her research to gain experience on a research project.

Prerequisite(s): PSYC 1101.**PSYC 3890H Research Experience****1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Students work with a faculty member on his/her research to gain experience on a research project.

Prerequisite(s): PSYC 1101.**PSYC 4131 Advanced Psychological Statistics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Students learn to apply advanced statistical and research procedures used in psychology.

Prerequisite(s): PSYC 3141.**PSYC 4143 Senior Research****4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

Students design, execute, write up, and present an original empirical research project.

Prerequisite(s): PSYC 4131.**PSYC 4430 Cognitive Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores the nature of human intellectual functioning and the research methods for doing so.

Prerequisite(s): PSYC 1101.**PSYC 4431 Motivation and Emotion****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines theories and research in the areas of motivation and emotion, with emphasis on humans.

Prerequisite(s): PSYC 1101.**PSYC 4432 Sensation and Perception****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Presents some fundamental concepts, methodologies, and research findings in the study of human sensory and perceptual functioning.

Prerequisite(s): PSYC 1101.**PSYC 4433 Principles of Learning****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces the basic principles of learning and the scientific study of learning in humans and nonhumans.

Prerequisite(s): PSYC 1101.

PSYC 4434 Animal Behavior**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of methods, theories, and research in animal behavior, with attention also being given to evolutionary theories of human behavior.

Prerequisite(s): PSYC 1101.**PSYC 4436 Theories of Psychotherapy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides students with a comprehensive review of the major theoretical orientations used in the practice of psychotherapy, including issues related to psychotherapy research and the applicability of these theories to a range of clients.

Prerequisite(s): PSYC 1101.**PSYC 4436H Theories of Psychotherapy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides students with a comprehensive review of the major theoretical orientations used in the practice of psychotherapy, including issues related to psychotherapy research and the applicability of these theories to a range of clients.

Prerequisite(s): PSYC 1101.**PSYC 4630 Senior Seminar****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An in-depth exploration of the theory and research finding pertaining to a broad topic integrating various areas of psychology.

Prerequisite(s): A minimum grade of "C" in PSYC 3141 and at least 17 hours of psychology.**PSYC 4730 Internship in Psychology****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Through both classroom and field work, students gain practical experience through volunteer field work in a setting related to psychology.

Prerequisite(s): A minimum grade of "C" in PSYC 3141.**PSYC 4832 Directed Study****1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Consists of in-depth investigation of an area within psychology not normally covered in the curriculum.

Prerequisite(s): PSYC 1101.**PSYC 4832H Directed Study (Honors)****1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Consists of in-depth investigation of an area within psychology not normally covered in the curriculum.

Prerequisite(s): PSYC 1101.**PSYC 4841 Directed Research****4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Under the supervision of a faculty member, the individual student completes all phases of a research project in an area of the student's interest.

Prerequisite(s): PSYC 4131.**Cross Listing(s):** PSYC 4841H.**PSYC 4841H Directed Research****4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Under the supervision of a faculty member, the individual student completes all phases of a research project in an area of the student's interest.

Prerequisite(s): PSYC 4131.**Cross Listing(s):** PSYC 4841.**PSYC 5030 Selected Topics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Scheduled on an irregular basis to explore special areas in psychology not offered in the regular curriculum and will carry a subtitle.

Cross Listing(s): PSYC 5030G.**PSYC 5230 Health Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Surveys the application of psychological principles in the treatment and prevention of health related problems.

Cross Listing(s): PSYC 5230G.**PSYC 5232 Psychology and Law****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the interdisciplinary study of psycholegal research and scholarship.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 5232G.**PSYC 5330 Psychology of Aging****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines developmental psychological processes in later adulthood, including changes with age in perception, intelligence, learning, memory, personality, and social behaviors.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 5330, PSYC 5330S.**PSYC 5330S Psychology of Aging****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines developmental psychological processes in later adulthood, including changes with age in perception, intelligence, learning, memory, personality, and social behaviors.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 5330.**PSYC 5430 Physiological Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A broad survey of the nervous system with emphases on functional relationships between the nervous system and behavior and on the techniques and methods used to examine the physiological bases for human and nonhuman animal behavior.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 5430H, PSYC 5430S.**PSYC 5430H Physiological Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A broad survey of the nervous system with emphases on functional relationships between the nervous system and behavior and on the techniques and methods used to examine the physiological bases for human and nonhuman animal behavior.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 5430, PSYC 5430S.**PSYC 5430S Physiological Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A broad survey of the nervous system with emphases on functional relationships between the nervous system and behavior and on the techniques and methods used to examine the physiological bases for human and nonhuman animal behavior.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 5430, PSYC 5430H.**PSYC 5431 Evolutionary Psychology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of methods and theories of the new field of evolutionary psychology emphasizing how human behavior and cognition develop from an interaction of life experiences with inherited interests, tendencies, and abilities that have been shaped by natural selection.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 5431.**PSYC 5431H Evolutionary Psychology Honors****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey of methods and theories of the new field of evolutionary psychology emphasizing how human behavior and cognition develop from an interaction of life experiences with inherited interests, tendencies, and abilities that have been shaped by natural selection.

PSYC 5530 History and Systems**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the development of experimental and clinical psychology with emphasis on relating the development to current issues in psychology.

Cross Listing(s): PSYC 5530G, PSYC 5530H.

PSYC 5530H History and Systems (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the development of experimental and clinical psychology with emphasis on relating the development to current issues in psychology.

Cross Listing(s): PSYC 5530, PSYC 5530G.

PUBH Public Health

PUBH 2130 Foundation of Health Education and Promotion**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces students to the field of health education. The historical origins of health education, selected learning theories, emerging issues and trends in the fields and professional responsibilities of health educators in various practice setting will be examined.

PUBH 2130H Foundation of Health Education and Promotion**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces students to the field of health education. The historical origins of health education, selected learning theories, emerging issues and trends in the fields and professional responsibilities of health educators in various practice setting will be examined.

PUBH 3128 Multicultural and Social Determinants of Health**2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.**

This course introduces the characteristics, causes, and effects of health disparities in the U.S. Health Care System. It also provides students with a foundation to develop the knowledge, attitudes, and skills to become culturally competent health educators. The course explores how health education and promotion is shaped by the cultural, social, and economic contexts in which individuals function.

Prerequisite(s): A minimum grade of "C" in PUBH 2130.**PUBH 3130 Substance Use and Abuse****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course explores legal and illegal drug use in modern society. Issues related to the social, cultural, political and economic impact of drug use will be discussed. The emphasis in the course will be on prevention, treatment and effective education techniques for various practice settings and target populations.

Prerequisite(s): A minimum grade of "C" in HLTH 1520.**Cross Listing(s):** PUBH 3130H.**PUBH 3130H Substance Use and Abuse****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course explores legal and illegal drug use in modern society. Issues related to the social, cultural, political and economic impact of drug use will be discussed. The emphasis in the course will be on prevention, treatment and effective education techniques for various practice settings and target populations.

Prerequisite(s): A minimum grade of "C" in HLTH 1520.**Cross Listing(s):** PUBH 3130.**PUBH 3131 Chronic Diseases: A Modern Epidemic****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Chronic conditions (e.g. diabetes, cardiovascular disease, renal disease, obesity) are currently responsible for sixty percent of the global burden of disease and the World Health Organization predicts this to rise to eighty percent by the year 2020. This is one of the greatest challenges facing health care systems throughout the world and it places long-term health and economic demands on health care systems as the population ages. This course will provide students with the opportunity to study specific issues related to chronic disease epidemiology and management and their links to practice.

Prerequisite(s): A minimum grade of "C" in KINS 2531, KINS 2511.**PUBH 3132 Health Care Systems and Advocacy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces students to the background and development of administrative settings for health care delivery in the United States by exploring trends and issues based on current health and medical care programs and practices and analyzing the current organizational structure of medical care services in the United States. Topics to be examined include the medical care process, factors affecting supply and distribution of health professionals and health facilities, health care costs, and financing of care through health insurance and governmental programs. Students will also learn health advocacy skills to plan community based interventions.

Prerequisite(s): A minimum grade of "C" in PUBH 2130.**Cross Listing(s):** PUBH 3132S.**PUBH 3132S Health Care Systems and Advocacy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces students to the background and development of administrative settings for health care delivery in the United States by exploring trends and issues based on current health and medical care programs and practices and analyzing the current organizational structure of medical care services in the United States. Topics to be examined include the medical care process, factors affecting supply and distribution of health professionals and health facilities, health care costs, and financing of care through health insurance and governmental programs. Students will also learn health advocacy skills to plan community based interventions.

Prerequisite(s): A minimum grade of "C" in PUBH 2130.**Cross Listing(s):** PUBH 3132.**PUBH 3136 Principles of Environmental Health****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines health issues, scientific understanding of causes, and possible future approaches to control the major environmental health problems in industrialized and developing countries. Topics include how the body reacts to environmental pollutants; physical, chemical, and biological agents of environmental contamination; vectors for dissemination (air, water, soil); solid and hazardous waste; susceptible populations; biomarkers and risk analysis; the scientific basis for policy decisions; and emerging global environmental health problems.

Prerequisite(s): A minimum grade of "C" in PUBH 2130.**Cross Listing(s):** PUBH 3136S.**PUBH 3136S Principles of Environmental Health****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines health issues, scientific understanding of causes, and possible future approaches to control the major environmental health problems in industrialized and developing countries. Topics include how the body reacts to environmental pollutants; physical, chemical, and biological agents of environmental contamination; vectors for dissemination (air, water, soil); solid and hazardous waste; susceptible populations; biomarkers and risk analysis; the scientific basis for policy decisions; and emerging global environmental health problems.

Prerequisite(s): A minimum grade of "C" in PUBH 2130.**Cross Listing(s):** PUBH 3136.**PUBH 3230 Community Health****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course exposes the student to concepts, theories, terms, models, resources, people and experiences which are related to community health issues and programs with a focus on the role of health educators in various community health settings. An examination of affiliations, functions, responsibilities, skills and networks used by community health educators will be included.

Prerequisite(s): A minimum grade of "C" in PUBH 2130 or permission of instructor.

PUBH 3231 Epidemiology and Biostatistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course introduces the student to the principles and practice of epidemiology and biostatistics. Students will be exposed to the historical development of epidemiology, concepts of causality, definitions of health and disease, and sources of community health data. Current principles and practices in the cause, prevention and control of diseases in various community settings will be emphasized.

Prerequisite(s): A minimum grade of "C" in PUBH 2130.

PUBH 3330 Modifying Health Behaviors
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course examines the major theoretical models used in public health practice for modifying health behavior. The efficacy of interventions in relation to current practices in public health, best practices and applications of theory-driven health behavior change are studied within the context of community-based settings. The focus of the class is to identify the critical factors necessary to create health behavior change in order to address the current Healthy People goals and objectives.

Prerequisite(s): A minimum grade of "C" in PUBH 2130.

PUBH 3331 Stress Theory and Management in Health Promotion
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course explores issues related to the etiology of stress and stressors with emphasis on environmental, organizational, interpersonal and individual patterns of stress in various health promotion settings. Competency in the active management of stress and mobilizing support in health settings will be evaluated.

Prerequisite(s): A minimum grade of "C" in HLTH 1520.

PUBH 3430 Sexuality Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course explores contemporary issues in human sexuality and prepares future health professionals to conduct sexuality education with diverse populations in a variety of settings (i.e., school, community, or worksite). Content is intended to help students increase their knowledge of sexuality, improve their ability to educate and promote sexual health and develop skills to increase their comfort level in discussing human sexuality.

Prerequisite(s): A minimum grade of "C" in HLTH 1520.

PUBH 3531 Consumer Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course prepares individuals to make intelligent decisions regarding the purchasing and use of health products and services that will have a direct effect on their health. Allows students to explore the relationships among consumerism, health and education. Students will investigate consumerism, marketing and advertising as foundational aspects of consumer health. In addition, students will survey a variety of health related products and services to determine the implications and consequences of their use.

Prerequisite(s): A minimum grade of "C" in HLTH 1520.

PUBH 3611H Health Honors Thesis Seminar I
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

This is a seminar course that prepares students to complete a senior honors thesis proposal.

PUBH 3612H Health Honors Thesis Seminar II
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

This is a seminar course that prepares students to complete a senior honors thesis proposal.

PUBH 4090 Selected Topics in Public Health
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Allows the student the opportunity to receive specialized and/or focused instruction in a public health topic not generally offered by the College.

PUBH 4090S Selected Topics in Public Health
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Allows the student the opportunity to receive specialized and/or focused instruction in a public health topic not generally offered by the College.

PUBH 4099 Selected Topics in Health Science
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

This course provides the student with in-depth study of selected topics in health science.

PUBH 4099S Selected Topics in Health Science
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

This course provides the student with in-depth study of selected topics in health science.

PUBH 4132 Health Education and Promotion Program Planning I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course introduces students to the theory and application of community-based program planning and evaluation. The first of a two-course sequence, the focus will be on the development of a health promotions program plan designed to apply course content to a real-life health issue. Concepts in community assessment, organization, and mobilization for the purpose of addressing identified public health concerns will serve as the foundation for the planning process.

Prerequisite(s): PUBH 2130.

Corequisite(s): A minimum grade of "C" in PUBH 4134.

PUBH 4133 Health Education and Promotion Program Planning II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course introduces students to additional theory and application of community-based program planning and evaluation. The second of a two-course sequence, the focus will be on program implementation, evaluation, and reporting of the health promotion plan developed during the prior semester. Students will gain first-hand experience in conducting an evaluation of community health education program.

Prerequisite(s): A minimum grade of "C" in PUBH 4132.

PUBH 4134 Research Methods and Evaluation in Health Education and Promotion
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course introduces the student to research methods used in health education and promotion. Examines the rationale and procedure to evaluate health education/promotion programs. Focuses on several topics including: research design, methods of program evaluation, planning research and evaluation, the politics and ethics of evaluation, measurement, sampling logistics, data analysis and the development of a student project.

Prerequisite(s): A minimum grade of "C" in PUBH 2130.

Corequisite(s): PUBH 4132.

PUBH 4195S International Studies Abroad in Health and Promotion
3-9 Credit Hours. 3-9 Lecture Hours. 0 Lab Hours.

This course offers students the opportunity to examine health, nutrition and food science, or kinesiology practices in a foreign country through travel abroad. Classroom instruction will be combined with on-site experiences to provide a realistic learning experience.

PUBH 4230 Maternal and Child Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course will review the historical and contemporary maternal and child health trends and issues. The application of health behavior and education theories to understanding the health status of women and their children will be central to the course. Particular emphasis will be placed on promotion and education efforts designed to improve the health, well-being and quality of life for women and children in the United States.

Prerequisite(s): A minimum grade of "C" in HLTH 1520.

PUBH 4231 Health Aspects of Aging
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course examines the aging process from a health education perspective. Students will become acquainted with the process of and problems associated with aging in order to effectively manage this important public health issue. Knowledge and understanding of biological, psychological, and sociological aspects of aging as related to health and wellness will also be addressed.

Prerequisite(s): A minimum grade of "C" in HLTH 1520.

PUBH 4330 Promotional Strategies for Health Programs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course explores the application of social marketing and communication theory to the development of strategies to enhance health education and promotion programs.

Prerequisite(s): A minimum grade of "C" in PUBH 2130.

PUBH 4611H Health Honors Thesis Seminar III
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

In a seminar setting, students will continue writing and revising their thesis. This course provides the student with the opportunity to revise manuscript proposal based upon previous work in Honors Thesis Seminar I and II. Student will be guided through primary data collection and analysis. Student will also complete writing the first draft of the Research Manuscript adhering to current APA style manual.

PUBH 4612H Health Honors Thesis Seminar IV
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

Students will complete an Honors Research thesis and successfully defend their original research project to their Research Director and Research Committee. Revisions to the Honors thesis will be based upon feedback from the oral defense. To demonstrate proficiency in oral research presentation, students will present their original research at the Honor's Research Symposium and Phi Kappa Phi Research Symposium. Finally, students will be required to submit the final Research Manuscript for publication in a professional format.

PUBH 4618 Senior Seminar in Health Education and Promotion
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

This course provides senior level Health Education and Promotion majors with a colloquium in which to discuss current issues and topics, with a focus on professional ethics, professional employment opportunities, internships, development and growth and current research themes within the profession.

PUBH 4798 Internship in Health Education and Promotion
12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

This course provides the senior level Health Education and Promotion majors with a practical experience in an appropriate health setting. Students must complete all course work in the Health Education and Promotion major prior to enrolling in this course.

PUBH 4890 Directed Individual Study
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Provides the student with an opportunity to investigate an area of interest under the direction of a faculty mentor.

PUBH 4899 Directed Individual Study
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

This course provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.

PUBH 5520 Introduction to Public Health
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.

This course is designed to give students a foundation in the core functions of population-based public health (assessment, policy development and assurance). In addition, this course will examine the 10 essential services of public health within these core functions. Defining effective public health practice and providing knowledge about the technical, social, and political parameters related to public health research and practice are goals for this class. Students will gain an understanding of public health as a broad area of work that applies the benefits of current biomedical, environmental, social, and behavioral knowledge in ways that maximize the health status of all populations.

Cross Listing(s): PUBH 5520G.

READ Reading

READ 0099A Academic Reading
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.

READ 0099B Academic Reading
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.

READ 0099C Academic Reading
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.

READ 2230 Cognition and Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course examines cognition and language and the relationships between the two systems. The course presents language as a special form of thinking and communication and as a complex, living, changing system. The course explores relevant theories of cognitive and language development and traces development from infancy to adolescence. The course emphasizes practices that promote specific language and cognitive competencies and explores their utilization in various contents and with learners representing language diversity.

READ 3330 Content Literacy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Addresses the development of reading and writing skills needed by students in grades 4-12. Instructional strategies focus on application of literacy skills in content subjects.

READ 4090 Selected Topics in Reading
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Designed to provide specialized course work to meet the needs of students. Attention will be directed toward a wide range of topics as they relate to reading education. Repeatable up to 6 credit hours.

READ 4131 The Teaching of Reading
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides an overview of the basic program of reading instruction for the developmentally average child with special emphasis on adjustments and adaptations for students with special needs. Considers the stages of a child's reading development, as well as teaching and assessment techniques. Includes activities that foster the development of reading strategies, integration of the use of technology in literacy instruction, familiarity with current reading resources, and familiarity with approaches and models of instruction.

Prerequisite(s): A minimum grade of "C" in READ 2230.

READ 4232 New Literacies and Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course provides an overview of the intersections between new technology-based literacies and school-based literacies. We will also examine how recent innovations in technology education have affected our definitions of literacy, both in- and outside of school, and discuss both the positive and negative effects of "new literacies" on educational contexts. Students will be expected to actively participate in this learning community and create technology-based lessons that they can use as professional literacy educators.

Prerequisite(s): A minimum grade of "C" in READ 2230.

READ 4233 Literacy: Assessment and Instruction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course examines literacy difficulties encountered by children in the classroom. It emphasizes a diagnostic-prescriptive approach to instruction which utilizes multiple indicators of literacy performance. Using data from individual cases, students practice problem solving strategies as they relate to classroom situations. Students assess literacy performance, analyze available information, and plan instruction.

Prerequisite(s): ECED 3262 or READ 4131.

RECR Recreation

RECR 1530 Introduction to Recreation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Historical examination of the leisure services profession; sociological, economic, psychological, political, and technological considerations for the delivery of leisure and recreation services in contemporary society.

RECR 2131 Introduction to Therapeutic Recreation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An overview of the models of therapeutic recreation practice. Students will demonstrate an understanding of the underlying philosophical and historical underpinnings for the therapeutic recreation profession. Students will demonstrate knowledge of the rationale for the inclusion of therapeutic recreation in the health care delivery system. Students will demonstrate an understanding of the etiology of disease with the specific implications for the provision of therapeutic recreation service delivery.

RECR 2131H Intro Therapeutic Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An overview of the models of therapeutic recreation practice. Students will demonstrate an understanding of the underlying philosophical and historical underpinnings for the therapeutic recreation profession. Students will demonstrate knowledge of the rationale for the inclusion of therapeutic recreation in the health care delivery system. Students will demonstrate an understanding of the etiology of disease with the specific implications for the provision of therapeutic recreation service delivery.

RECR 2530 Leadership and Programming in Leisure Services
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides a basic understanding of the practice and theory of recreation program development and leadership in various service settings. Covers the process of recreation programming, principles of leadership, meeting the needs of a diversity of participants, and the implementation of programs and activities.

RECR 3135 Program Planning in Therapeutic Recreation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Basic understanding of program development and leadership issues related to developing program plans, activity analyses, and behavioral objectives in Therapeutic Recreation settings.

RECR 3135H Prog Plan in Therapeutic Rec H
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Basic understanding of program development and leadership issues related to developing program plans, activity analyses, and behavioral objectives in Therapeutic Recreation settings.

RECR 3230 Adventure Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Foundation of adventure education, philosophy, ethics, benefits, theoretical underpinnings, research, model programs, and use of adventure education programs for the delivery of services to an expanding clientele base.

Prerequisite(s): A minimum grade of "C" in RECR 1530.

RECR 3235 Outdoor Recreation Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The history, philosophy, policies, and laws associated with natural and cultural resource management, and to ecological and heritage preservation concepts as they apply to resource management.

Prerequisite(s): A minimum grade of "C" in RECR 1530.

Cross Listing(s): RECR 3235H.

RECR 3235H Outdoor Recreation Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The history, philosophy, policies, and laws associated with natural and cultural resource management, and to ecological and heritage preservation concepts as they apply to resource management.

Prerequisite(s): A minimum grade of "C" in RECR 1530.

Cross Listing(s): RECR 3235.

RECR 3236 Planning Recreations Areas and Facilities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Basic understanding of the principles and procedures for planning, designing, and operating recreation and park areas and facilities.

Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

RECR 3335 Introduction to Tourism Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Fundamental understanding of the dynamics and components to tourism and the tourism industry from the historical and applied perspectives.

Prerequisite(s): A minimum grade of "C" in RECR 1530.

RECR 3336 Heritage Tourism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Examines the managerial issues and promotional techniques required for the effective operation of heritage-based tourism and leisure service entities.

Prerequisite(s): A minimum grade of "C" in RECR 1530.

RECR 3337 International Tourism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduces the student to the field of international tourism from the social, scientific and applied perspectives, including such concepts as: tourists motivation, foreign exchange, migration, deviant practices associated with international tourism, and the phenomena of tourist-host relations.

RECR 3430 Conference and Event Planning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An overview of principles and practices specific to meetings and events, such as conferences, conventions, festivals, and workshops. Principles and practices related to site selection, transportation, food and beverage, exhibits, special program features, social functions, and evaluations will be addressed.

Prerequisite(s): A minimum grade of "C" in RECR 2530.

RECR 3430H Conf & Event Planning (Honors)
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An overview of principles and practices specific to meetings and events, such as conferences, conventions, festivals, and workshops. Principles and practices related to site selection, transportation, food and beverage, exhibits, special program features, social functions, and evaluations will be addressed.

RECR 3530 Attraction and Tourism Management Field School
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Utilizes an intensive one-week field school methodology and provides students with an exposure to, and understanding of, the various attractions and infrastructure that comprise a working tourism system. Students will explore and understand a variety of managerial issues pertinent to the operation of specific attractions within the tourism system.

Prerequisite(s): A minimum grade of "C" in RECR 3335 or Permission of instructor available for qualified non-majors.

RECR 4110 Prof Devel in Recr
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

Provides students with the opportunity to practice and develop skills related to becoming a professional in the Recreation Field. Specifically, students will experience opportunities for networking, participate in professional Recreation meetings, develop cover letter and resume skills, develop interview skills, and initiate the internship process via researching multiple sites, contacting appropriate sites, and selecting an emphasis area specific site for internship.

RECR 4130 Assessment and Documentation in Therapeutic Recreation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides students with knowledge related to the systems approach to the clinical concepts of therapeutic recreation. Students will demonstrate an ability to conduct assessments, document on outcomes, and participate in comprehensive program planning.

Prerequisite(s): A minimum grade of "C" in RECR 2131.

Cross Listing(s): RECR 4130H.

RECR 4130H Assess & Documentation in TR
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides students with knowledge related to the systems approach to the clinical concepts of therapeutic recreation. Students will demonstrate an ability to conduct assessments, document on outcomes, and participate in comprehensive program planning.

Prerequisite(s): A minimum grade of "C" in RECR 2131.

Cross Listing(s): RECR 4130.

RECR 4135 Therapeutic Recreation Intervention Techniques
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides students with the ability to utilize various intervention techniques. Students will demonstrate the ability to conduct activity and task analysis. Students will demonstrate an understanding of adaptive equipment and leisure education. Students will demonstrate an understanding of advocacy.

Prerequisite(s): A minimum grade of "C" in RECR 2131.

RECR 4230 Environmental Education and Interpretation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An overview of principles and practices associated with effective management of recreation users in natural and cultural resource settings; and with the concepts and techniques of interpretation.

Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 3235 or Permission of instructor.

Cross Listing(s): RECR 4230H.

RECR 4230H Environment Ed/Interpretation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An overview of principles and practices associated with effective management of recreation users in natural and cultural resource settings; and with the concepts and techniques of interpretation.

Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 3235 or Permission of instructor.

Cross Listing(s): RECR 4230.

RECR 4430 Financial and Legal Dimensions of Recreation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A basic understanding of techniques of financing and budgeting, and a knowledge of legal, legislative, and risk management concepts as they relate to recreation service delivery.

Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

RECR 4435 Managing Recreation Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An understanding of organizational behavior, human resources management, ethical principles, and professional issues as they impact the delivery of recreation services.

Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

Cross Listing(s): RECR 4435H.

RECR 4435H Managing Rec Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An understanding of organizational behavior, human resources management, ethical principles, and professional issues as they impact the delivery of recreation services.

Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

Cross Listing(s): RECR 4435.

RECR 4530 Marketing Recreation Services
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An understanding of marketing techniques and strategies as they apply to the delivery of recreation services, including knowledge of public relations and promotion strategies.

Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

Cross Listing(s): RECR 4530S, RECR 4530H.

RECR 4530H Marketing Rec Services Honors
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An understanding of marketing techniques and strategies as they apply to the delivery of recreation services, including knowledge of public relations and promotion strategies.

Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

Cross Listing(s): RECR 4530S, RECR 4530.

RECR 4530S Marketing Recreation Services
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An understanding of marketing techniques and strategies as they apply to the delivery of recreation services, including knowledge of public relations and promotion strategies.

Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

Cross Listing(s): RECR 4530, RECR 4530H.

RECR 4536 Evaluation and Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A basic understanding of research and evaluation methods, design, analysis, interpretation, and report writing; and the ability to conduct, present, evaluate, and utilize research on recreation.

Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

RECR 4630 Professional Development in Recreation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides students with the opportunity to practice and develop skills related to becoming a professional in the Recreation field. Specifically, student will experience opportunities for networking, participate in professional Recreation meetings, develop cover letter and resume skills, develop interview skills, and initiate the internship process via researching multiple sites, contacting appropriate sites, and selecting an emphasis area specific site for internship.

Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

RECR 4730 Professional Advancement in Therapeutic Recreation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed to prepare students in therapeutic recreation for making the transition from education to practice. Outside of the classroom, students will complete supervised work under the guidance of a Certified Therapeutic Recreation Specialist. Within the classroom, students will have the opportunity to discuss current issues in therapeutic recreation, focusing on the application of knowledge to current trends and issues in therapeutic recreation. Special emphasis will be made on applying for and testing for NCTRC certification.

Prerequisite(s): A minimum grade of "C" in RECR 2131 and RECR 3135.

Cross Listing(s): RECR 4730H.

RECR 4730H Prof Advanc in Therapeutic Rec
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed to prepare students in therapeutic recreation for making the transition from education to practice. Outside of the classroom, students will complete supervised work under the guidance of a Certified Therapeutic Recreation Specialist. Within the classroom, students will have the opportunity to discuss current issues in therapeutic recreation, focusing on the application of knowledge to current trends and issues in therapeutic recreation. Special emphasis will be made on applying for and testing for NCTRC certification.

Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

Cross Listing(s): RECR 4530S, RECR 4530.

RECR 4790 Internship**12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A sixteen-week supervised work experience related to student's emphasis area which allows application of classroom knowledge and theory to practice.

Prerequisite(s): Total Institution GPA of 2.0 or better, completion of all university core curriculum and major degree requirements, 200 approved experience hours, and permission of Recreation emphasis area faculty.

Cross Listing(s): RECR 4790S.

RECR 4790S Internship**12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A sixteen-week supervised work experience related to student's emphasis area which allows application of classroom knowledge and theory to practice.

Cross Listing(s): RECR 4790.**RECR 4830 Selected Topics in Recreation****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides the student with the opportunity to study contemporary topics and issues relevant to the recreation and leisure profession in an individual setting. The student will be able to work with faculty in a rigorous, closely directed, research or exploratory environment.

RECR 4830H Selected Topics in Rec (Honors)**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Provides the student with the opportunity to study contemporary topics and issues relevant to the recreation and leisure profession in an individual setting. The student will be able to work with faculty in a rigorous, closely directed, research or exploratory environment.

REDV Regional Economic Development

REDV 3130 Introduction to Regional Economic Development**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides an overview of regional economic development programs and provides guidelines for the regional development planning process. The course addresses the regional economic development profession and associated career opportunities and discusses tools used in economic development efforts. The course requires a service project in which the student works with an outside economic development agency to apply the theories and techniques learned in class.

Prerequisite(s): A minimum grade of "C" in ECON 2105.**REDV 4131 Applied Econometrics and Regional Analysis****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course outlines analytical and empirical tools used by the contemporary economic development specialist and economist. The methodology of data collection and estimation or regression models are introduced. Moreover, the course covers methods of forecasting, linear programming, derivation of impact multiplier analysis, and cost-benefit analysis.

Prerequisite(s): A minimum grade of "C" in ECON 2106 and BUSA 3131 or STAT 2231.**Cross Listing(s):** ECON 4131.**REDV 4431 Economic Development****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the economic and social challenges faced by rural areas of the United States and developing countries. The main concern is on what resources rural economies have, and how these resources can be used to sustain economic development. Special attention is given to economic development strategies that emphasize equity in distribution as a goal as well as access to resources by a wide cross-section of citizens.

Prerequisite(s): A minimum grade of "C" in ECON 2106 and ECON 2105.**Cross Listing(s):** ECON 4431.**REDV 4730 Regional Economic Development Field Project****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The student will work under the supervision of both an advising faculty member and an economic development professional on a specific, well-defined economic development activity for a local business or governmental unit.

Corequisite(s): REDV 4131.**REDV 4830 Special Problems in Regional Economic Development****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Students have the opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with the faculty sponsor.

Prerequisite(s): REDV 3130.**REDV 4830S Spec. Prob. in Reg. Econ. Dev.****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Students have the opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with the faculty sponsor.

Prerequisite(s): REDV 3130.**REDV 4890 Directed Study in Regional Economic Development****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Designed for independent study and research in selected areas of regional economic development under faculty supervision.

Prerequisite(s): REDV 3130.

RELS Religious Studies

RELS 2130 Introduction to Religion**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to definitions, perspectives, and methods used in religious studies, as well as, to the varieties of religious issues and expressions.

Cross Listing(s): RELS 2130H and RELS 2130S.**RELS 2130H Introduction to Religion****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to definitions, perspectives, and methods used in religious studies, as well as, to the varieties of religious issues and expressions.

Cross Listing(s): RELS 2130 and RELS 2130S.**RELS 2130S Introduction to Religion****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to definitions, perspectives, and methods used in religious studies, as well as, to the varieties of religious issues and expressions.

Cross Listing(s): RELS 2130 and RELS 2130H.**RELS 3030 Selected Topics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Selected Topics in Religious Studies.

Cross Listing(s): RELS 3030S.**RELS 3030S Selected Topics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Selected Topics in Religious Studies.

Cross Listing(s): RELS 3030.**RELS 3131 World Religions****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The teachings concerning people and their relations to God and the world found in the major world religions. Judaism, Christianity, Islam, Hinduism, Confucianism, Jainism, and Buddhism are among the religions studied.

Cross Listing(s): PHIL 3131.**RELS 3134 Introduction to Asian Religions****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an introduction to the religious traditions of Asia. Traditions covered include Hinduism, Buddhism, Jainism, Sikhism, Islam, Daoism, and Confucianism.

RELS 3135 Introduction to Hinduism**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an in-depth exploration of the Hindu traditions, and the beliefs, rituals, and cultural expressions of those who practice them.

RELS 3136 Introduction to Global Islam**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is an in-depth exploration of Islam around the world, and the beliefs, rituals, and cultural expressions of those who practice it.

RELS 3139 History of Religion in the U.S.**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A survey and analysis of the major religious patterns in the United States with special attention given to belief systems, institutional forms, social composition, and historical development.

Cross Listing(s): HIST 3139.**RELS 3231 Psychology of Religion****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the literature of the psychology of religion, including the functions of religiousness, types of religious experiences, religious motivation, and the relationship between religion and mental health.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3231.**RELS 3233 The Early Church****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

How did Christianity turn from an illegal, persecuted cult into the official religion of the Roman empire? The course will focus on the first five hundred years of the Christian church: its development, doctrine, and especially its relationship with the ancient civilizations of the Mediterranean world (Greece, Rome, and the Near East).

Cross Listing(s): HIST 3233.**RELS 3235 Male, Female, and Religion****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course explores an understanding and appreciation of the complex and varied roles of males and females in the context of Religion. We will examine a variety of situations found in religious texts, ancient and contemporary interpretations and in everyday life. While an essential part of the course will take the form of lectures, a major component will consist of discussion and co-inquiry.

RELS 3237 Genesis and Human Relations**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will focus on a detailed and careful reading of the text of the book of Genesis, with two primary aims in mind: 1) an understanding of the narratives, within the historical context and more importantly the theological nexus of the narrative; and 2) the implications and applications for contemporary society and the issues we face.

RELS 3238 The Hebrew Prophets**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will introduce the student to the major themes of the Hebrew Prophets. We shall examine the various historical and cultural contexts of the prophets as much as this is possible, and explore the prophets' message with a particular emphasis on textual analysis and implications for contemporary society.

RELS 3239 Human Suffering and the Bible**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will help students explore, interpret, and understand the many and varying contexts in which human suffering is presented in the Bible. The course treats questions such as the role God plays in human suffering, freedom of choice, the causes and effects of suffering, and the concept of "theodicy" -- how human beings strive to reconcile suffering and the notion of a loving, merciful God. Students will look at personal, communal, and national suffering in the Bible and in present-day society.

RELS 3250 The Muslim World to Tamerlane**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the rise of Islam in the seventh century and of the various Muslim societies that arose prior to the fifteenth century from the Iberian Peninsula to South Asia.

Cross Listing(s): HIST 3250 and INTS 3250.**RELS 3251 The Muslim World Since Genghis Khan****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the global reach of Islam since the thirteenth century. The focus is on how Muslim societies have dealt with the precipitous decline in their well-being since their pinnacle of influence in the seventeenth century.

Cross Listing(s): HIST 3251 and INTS 3251.**RELS 3330 Introduction to the Hebrew Bible****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is designed to introduce the student to the fundamental ideas, themes, and trajectories in the Hebrew Bible. We shall examine the various historical, cultural, and religious contexts of the Hebrew Bible as far as this is possible, and seek to broaden our understanding of the various claims of the text, and in turn to stimulate questions and reflections on contemporary relevance. Close attention will be paid to the reading and interpretation of the text.

RELS 3331 Great Moral Philosophers**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.****RELS 3334 Christian Europe 450-1750****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The major theme of this course is the development of various Christian traditions in Europe from the early middle ages to the Enlightenment.

Topics include the spread of Christianity, formation of distinct Christian churches, and the many wars fought in the name of Christianity.

Cross Listing(s): HIST 3334.**RELS 3335 Introduction to the New Testament****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces the fundamental ideas, themes, and trajectories represented in New Testament texts. We shall examine the historical, cultural, and religious contexts of the New Testament and broaden our understanding of the various claims of its texts. We shall also question and reflect upon the New Testament's contemporary relevance. Close attention will be paid to the texts.

RELS 3336 Humanistic and Transpersonal Psychology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will focus on humanistic and transpersonal approaches to psychology, those "third" and "fourth" forces that offer a view of the person which goes beyond that offered by positivistic behavioral theory or by classical psychoanalytic theory.

Prerequisite(s): PSYC 1101.**Cross Listing(s):** PSYC 3336, PSYC 3336H.**RELS 3635 Existentialism****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the existentialist movement in philosophy from its origins to the present, showing how and why the movement began, what its authors advocate, and how it has been assessed by contemporary critics. Readings will include selections from Kierkegaard, Jaspers, Heidegger, Sartre, and others.

Cross Listing(s): PHIL 3635.**RELS 4336 Science and Religion****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the interactions between science and religion from ancient times to the present.

Cross Listing(s): HIST 4336.**RELS 4632 Philosophy of Religion****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An in-depth examination of religious teachings and basic philosophical problems associated with them. Topics considered will include creation, salvation, life after death, the origin of evil, religious experience, and God.

Cross Listing(s): PHIL 4632.**RELS 4890 Seminar in Religious Studies****1-9 Credit Hours. 1-9 Lecture Hours. 0 Lab Hours.**

Seminar in Religious Studies.

RELS 5332 The Reformation**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on the breakup of western Christian unity in the sixteenth century, particularly on the formation of Lutheran and Calvinist denominations and the social, political, and economic consequences for all Europeans through the seventeenth century. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): RELS 5332G, HIST 5332, HIST 5332G.**RELS 5530 The Bible as Literature****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the literary dimension of the English Bible. Major emphasis is upon the literary themes, types, personalities, and incidents of the Old and New Testaments. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 and prior or concurrent enrollment in ENGL 2131.**Cross Listing(s):** COML 5530, COML 5530G, ENGL 5530, ENGL 5530G, RELS 5530G.

SCED Secondary Education

SCED 3237 Science Methods**3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

Designed to assist students in understanding the purpose of science in the secondary school curriculum and becoming familiar with trends in science instruction. Skills are developed in using classroom laboratory and field trip experiences in planning and evaluating science instruction. Major emphasis is placed on planning and presentation of skills and on developing strategies to facilitate working with the diverse student populations present in public schools.

Prerequisite(s): Admission to Teacher Education Program.**SCED 3337 Methods of Teaching Language Arts in the Secondary School****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of methods and materials appropriate in teaching composition, literature, and oral expression in the secondary school English program. Emphasis will be placed on the writing process, teaching grammar through writing, and literature for grades 7-12. Includes a field-based component which requires teaching language arts in a secondary school classroom.

Prerequisite(s): Admission to Teacher Education Program.**SCED 3437 Social Science Methods****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

A study of the social sciences in the secondary schools with emphasis on curriculum issues, planning social science instruction, methods and materials appropriate for older adolescents and topical issues in teaching social sciences. Includes a field-based component which requires teaching social science in a secondary school classroom.

Prerequisite(s): Admission to Teacher Education Program.**SCED 3537 Methods of Teaching Mathematics in Secondary School****3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.**

A study of teaching methods and materials, curriculum content, and trends in secondary school mathematics.

Prerequisite(s): Admission to Teacher Education Program.**SCED 4137 Methods of Teaching in the Secondary School****3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

This course is designed to assist students in understanding, planning and teaching practices in the secondary school and in becoming familiar with best practices in secondary instruction. Skills are developed in planning, conducting, and evaluating instruction using classroom and practicum experiences. Major emphasis is placed on planning, presentation, and assessment skills, and on developing strategies to facilitate working with the diverse student populations present in public schools.

Corequisite(s): EDUF 3234, SCED 4138, and SCED 4731.**SCED 4138 Secondary Curriculum****3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.**

Addresses the linear curriculum design model for use in designing secondary school curriculum. Emphasis is placed on designing an instructional unit focusing on the selection of appropriate learning objectives related to specific knowledge and skills, selection of interactive learning activities and appropriate assessment of student progress. Consideration is given to research based effective teaching behavior. Includes a field-based component which requires planning and teaching an instructional unit in a secondary school classroom in the student's teaching field.

Corequisite(s): EDUF 3234, SCED 4137, and SCED 4731.**SCED 4731 Secondary School Practicum****3 Credit Hours. 0 Lecture Hours. 3 Lab Hours.**

This supervised practicum is a field-based teaching experience in a secondary school classroom. Candidates will complete structured observations and plan and teach an instructional unit in one's teaching field. Emphasis is placed on lesson and unit planning, a variety of instructional strategies for diverse populations of students, classroom management, multiple assessment strategies that enhance student learning, the selection and use of instructional technology, and professional reflection

Corequisite(s): EDUF 3234, SCED 4138.**SCED 5799 Student Teaching in Secondary Education****9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A period of guided teaching during which the candidate, under the direction of a clinical supervisor, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities.

Cross Listing(s): SCED 5799G.

SMGT Sport Management

SMGT 2130 Introduction to Sport Management**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the meaning of sport management in terms of its scope, foundations, issues and future trends. Examines the job responsibilities and competencies required of sport managers in a variety of sports, or sport-related organizations. Also provides the student with an overview of the different facets and career opportunities available in the field of sport management.

SMGT 2230 Social Issues of Sport**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Helps the student understand the social aspect of sport. Specifically, examines such topics as how social phenomena affect sport participation and behavior, and how the dynamic nature and diverse parameters of society affect the sport industry.

SMGT 3230 Economics of Sport**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines major economic issues in the sport industry and introduces the methodology of economics that can be used to analyze these issues.

Prerequisite(s): A minimum grade of "C" in SMGT 2130, SMGT 2230, ACCT 2030, ECON 2105, STAT 2231 and either CISM 1110, CISM 1120, CISM 1130.**SMGT 3236 Financial Management of Sport****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the fundamental concepts and theories of finance applicable to the field of sport management.

Prerequisite(s): A minimum grade of "C" in SMGT 2130, SMGT 2230, ACCT 2030, ECON 2105, STAT 2231 and either CISM 1110, CISM 1120, CISM 1130.

SMGT 3237 International Sport Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An in-depth examination of the nature and role of sport in contrasting cultures and the matters of sport governance that cross national boundaries as well as the possibilities of formulating reform measures in sport policy and practice around the world.

Prerequisite(s): A minimum grade of "C" in SMGT 2130, SMGT 2230, ACCT 2030, COMM 2332, ECON 2105, STAT 2231.

Cross Listing(s): SMGT 3237S.

SMGT 3237S International Sport Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An in-depth examination of the nature and role of sport in contrasting cultures and the matters of sport governance that cross national boundaries as well as the possibilities of formulating reform measures in sport policy and practice around the world.

Prerequisite(s): A minimum grade of "C" in SMGT 2130, SMGT 2230, ACCT 2030, COMM 2332, ECON 2105, STAT 2231.

Cross Listing(s): SMGT 3237.

SMGT 3238 Management of Sport Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduces the student to the operation of actual sport enterprises.

Prerequisite(s): A minimum grade of "C" in SMGT 2130, SMGT 2230, ACCT 2030, ECON 2105, STAT 2231 and either CISM 1110 and CISM 1120 or CISM 1130.

SMGT 3330 Sport Promotion and Marketing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Focuses on the application of marketing principles and practices to the sport industry.

Prerequisite(s): A minimum grade of "C" in SMGT 2130, SMGT 2230, ACCT 2030, ECON 2105, MKTG 3131, STAT 2231 and either CISM 1110, CISM 1120, CISM 1130.

Cross Listing(s): SMGT 3330H.

SMGT 3330H Sport Promotion and Marketing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Focuses on the application of marketing principles and practices to the sport industry.

Prerequisite(s): A minimum grade of "C" in SMGT 2130, SMGT 2230, ACCT 2030, ECON 2105, MKTG 3131, STAT 2231 and either CISM 1110, CISM 1120, CISM 1130.

Cross Listing(s): SMGT 3330.

SMGT 4090 Selected Topics in Sport Management
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Provides a student with in-depth of selected topics in Sport Management.

Prerequisite(s): Permission of instructor.

SMGT 4090S Selected Topics in Sport Management
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Provides a student with in-depth of selected topics in Sport Management.

Prerequisite(s): Permission of instructor.

SMGT 4330 Facility and Event Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Addresses the principles and procedures involved in sports facility and event management. Special emphasis will be given to sports event planning, production, and evaluation.

Prerequisite(s): A minimum grade of "C" in SMGT 2130, SMGT 2230, ACCT 2030, ECON 2105, STAT 2231 and either CISM 1110, CISM 1120, CISM 1130.

SMGT 4336 Sport Business Operations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Teaches the student to use modern computerized programs used in the operations of the sport industry and the policies and procedures that govern their use.

Prerequisite(s): A minimum grade of "C" in SMGT 2130, SMGT 2230, ACCT 2030, ECON 2105, STAT 2231 and either CISM 1110, CISM 1120, CISM 1130.

SMGT 4337 Legal Aspects of Sport

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Helps the student understand the legal aspects of negligence, intentional torts, the essentials of contracts, and elements of constitutional law as they apply to the sport industry. Helps the student understand risk management in the sport industry.

Prerequisite(s): A minimum grade of "C" in SMGT 2130, SMGT 2230, ACCT 2030, ECON 2105, STAT 2231 and either CISM 1110, CISM 1120, CISM 1130.

SMGT 4338 Sport Policy Development

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Helps the student understand the modern administrative issues in the administration of sport related businesses. The course will focus on many of the most demanding legal concerns of running sport businesses.

Prerequisite(s): A minimum grade of "C" in SMGT 2130, SMGT 2230, ACCT 2030, ECON 2105, STAT 2231 and either CISM 1110, CISM 1120, CISM 1130.

Cross Listing(s): SMGT 4338S.

SMGT 4338S Sport Policy Development

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Helps the student understand the modern administrative issues in the administration of sport related businesses. The course will focus on many of the most demanding legal concerns of running sport businesses.

Prerequisite(s): A minimum grade of "C" in SMGT 2130, SMGT 2230, ACCT 2030, ECON 2105, STAT 2231 and either CISM 1110, CISM 1120, CISM 1130.

Cross Listing(s): SMGT 4338.

SMGT 4630 Baseball and American Culture

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed to provide students with an overview of the history of baseball in America, and relate the historical events and phenomena to American culture. Course work will relate class topics to historical and contemporary social, cultural, economic, and political issues. Course content will consist of lectures, readings, class discussion, video and other presentations.

SMGT 4735 Sport Management Internship

12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

The student is involved with an organization in a full-time (40 hours per week) capacity where he/she has the opportunity to work in either a sport industry setting, or one which is commensurate with typical, entry-level sport industry functions and roles. The internship opportunity must be approved by the Undergraduate Internship Director, and allows the Senior student to apply the Sport Management curriculum in a work environment. Students must have a 2.25 Overall GPA to enroll and must have successfully completed all courses (exceptions made ONLY if student lacks ONE course and ONLY with approval of student's advisor) on the program of study for the B.S. in Sport Management. Students who do not meet the 2.25 requirement may complete twelve hours of GUIDED electives with the approval of their advisor.

SMGT 4899 Directed Individual Study

1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.

Prerequisite(s): Permission of instructor.

SOCI Sociology

SOCI 1101 Introduction to Sociology

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The discipline of sociology and the sociological perspective as a tool for understanding society and culture, including the interpersonal, intergroup, and international dimensions of social life.

Cross Listing(s): SOCI 1101H and SOCI 1101S.

SOCI 1101H Introduction to Sociology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The discipline of sociology and the sociological perspective as a tool for understanding society and culture, including the interpersonal, intergroup, and international dimensions of social life.

Cross Listing(s): SOCI 1101 and SOCI 1101S.**SOCI 1101S Introduction to Sociology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The discipline of sociology and the sociological perspective as a tool for understanding society and culture, including the interpersonal, intergroup, and international dimensions of social life.

Cross Listing(s): SOCI 1101 and SOCI 1101H.**SOCI 2232 Introduction to Social Services****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is designed to introduce students to the field of social services, including the history of the profession and its knowledge, skill and value base. Students will gain an understanding of various careers within social services and the settings in which they are practiced. They will gain an understanding of micro, mezzo, and macro type agencies.

Prerequisite(s): A minimum grade of "C" and prior or current enrollment in SOCI 1101.**SOCI 3094 Selected Topics in Sociology****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Various topics.

Cross Listing(s): SOCI 3094S.**SOCI 3094S Selected Topics in Sociology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Various topics.

Cross Listing(s): SOCI 3094.**SOCI 3135 Aging****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the impact of an aging population upon society and the effects of the socially-defined experience of aging upon the individual. Special attention is given to economic factors, retirement, lifestyle options, health, death, and widowhood.

Prerequisite(s): A minimum grade of "C" in SOCI 1101.**SOCI 3231 Practice Skills****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An examination of the knowledge, skill and value base for working in the social services. The emphasis is on preparation for practice in social services settings.

Prerequisite(s): A minimum grade of "C" in all of the following: SOCI 1101 and prior or concurrent enrollment in SOCI 2232.**SOCI 3235 Race and Ethnicity****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is a survey of the major concepts and theories in the study of racial and ethnic relations in the United States. The situations and experiences of various racial and ethnic groups are considered.

Prerequisite(s): A minimum grade of "C" in SOCI 1101.**Cross Listing(s):** AAST 3235.**SOCI 3333 Deviance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines deviance, deviant behavior and social control. Topics will include deviance as a social process; types of deviant behavior (e.g., suicide, mental illness, drug use, crime, delinquency); theories of deviance and deviant behavior; nature and social organization of societal reactions; and social and legal policy issues.

Prerequisite(s): SOCI 1101.**Cross Listing(s):** SOCI 3333S.**SOCI 3333S Deviance****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines deviance, deviant behavior and social control. Topics will include deviance as a social process; types of deviant behavior (e.g., suicide, mental illness, drug use, crime, delinquency); theories of deviance and deviant behavior; nature and social organization of societal reactions; and social and legal policy issues.

Prerequisite(s): SOCI 1101.**Cross Listing(s):** SOCI 3333.**SOCI 3335 Social Change****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Discussion of theories and causes of social change in contemporary or historical perspective.

Prerequisite(s): SOCI 1101.**SOCI 3336 Social Problems****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A general introduction to the study of social problems in areas such as deviance, social inequality, social change and American institutions.

Prerequisite(s): SOCI 1101.**Cross Listing(s):** SOCI 3336S.**SOCI 3336S Social Problems****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A general introduction to the study of social problems in areas such as deviance, social inequality, social change and American institutions.

Prerequisite(s): SOCI 1101.**Cross Listing(s):** AMST 3336 and SOCI 3336.**SOCI 3338 Sociology of the Life Course****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The course uses sociological theories, perspectives, and conceptual frameworks to analyze aging-related social issues. It examines the social forces that shape the diverse experiences of aging for individuals throughout the life course. Emphasis is placed on structural issues such as age stratification, the life course, and societal aging as a force in social change.

Prerequisite(s): SOCI 1101.**SOCI 3431 Sociological Theory****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An overview of the major classical sociological theorists, linking their contributions to contemporary issues and concerns. Covers key theorists and basic tenets of structural functionalism, conflict theory, and symbolic interactionism and introduces the process of theory construction.

Prerequisite(s): A minimum grade of "C" in SOCI 1101.**SOCI 3434 Methods of Social Research****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A review of social research methods with emphasis on design, data collection, measurement, survey and analysis. Required of all Sociology majors.

Prerequisite(s): SOCI 1101 and STAT 2231.**SOCI 3435 Environmental Sociology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the interconnectedness of human societies and the natural environment and explores contemporary (and often controversial) environmental issues.

Prerequisite(s): A minimum grade of "C" in SOCI 1101.

SOCI 4130 Groups and Community Action**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course covers mezzo and macro practice with groups, organizations, and communities in relation to both social services and applied sociological practice. Students will study the structure, organization, and function of groups, organizations and communities. The course will provide students with knowledge of stages of group development, roles group members play, and skills used by the group facilitator. In addition, students will also examine assessment and intervention with organizations and communities, including a focus on working within organizations and a focus on social change and social justice within communities.

Prerequisite(s): A minimum grade of "C" in all of the following: SOCI 1101 and prior or concurrent enrollment in SOCI 2232.

SOCI 4132 Sociology of Community**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on community life in the United States. Community is viewed as a social entity and an arena of social interaction. Urban, rural, and alternative communities in the U.S. are investigated to uncover their patterns of interaction and organization.

Prerequisite(s): A minimum grade of "C" in SOCI 1101.

SOCI 4133 Sociology of Religion**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course involves the sociological study of religion focusing on the human (especially social) aspects of religious belief and practice. Various religious groups will be examined to identify how they organize their collective religious expressions. Theories and research methods used by sociologists to study religious beliefs and practices and religious institutions will be reviewed.

Prerequisite(s): A minimum grade of "C" in SOCI 1101.

SOCI 4134 Sociology of Childhood**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on childhood as a social phenomenon. Childhood is viewed as a social construction, and particular attention is paid to the cultural context in which childhood has flourished, the role of children's culture in society, and social problems that are associated with childhood.

Prerequisite(s): A minimum grade of "C" in SOCI 1101.

SOCI 4135 Death and Dying**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines sociocultural dimensions of death, dying, bereavement, grief, and mourning, including cross-cultural comparisons and social patterns in historical perspective.

Prerequisite(s): A minimum grade of "C" in SOCI 1101.

SOCI 4137 Social Movements**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the sociological study of social movements and extra institutional political conduct. Key theories and research methods used will be reviewed.

Prerequisite(s): A minimum grade of "C" in SOCI 1101.

SOCI 4138 Sociology of the Family**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the sociological study of the social forces that impinge on families, affecting the behaviors of family members and the forms that family units take. Key theories and research methods used by sociologists and other social scientists to study families will be reviewed.

Prerequisite(s): A minimum grade of "C" in SOCI 1101.

SOCI 4139 Medical Sociology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides an overview of the field of medical sociology. Topics covered include social and cultural factors related to health and illness, health disparities, sociological models of health and illness, the sick role, chronic illness, physician patient relationship, historical and emerging health care policies, and the social organization of health care institutions, medical careers, and health care.

Prerequisite(s): A minimum grade of "C" in SOCI 1101.

SOCI 4231 Child Welfare and Family Services**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Comprehensive study of current philosophy and practice in the various fields of child welfare, including family income maintenance programs, child protective service, adoption, foster care, institutional placement of children, home based services, family preservation, early childbearing, guardianship and custody, the family and the courts, and child advocacy.

Prerequisite(s): A minimum grade of "C" in all of the following: SOCI 1101 and prior or concurrent enrollment in SOCI 2232.

SOCI 4232 Social Welfare Policy and Services**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An analysis of American social welfare policy. Covers programs and policies under public, voluntary, and proprietary auspices in the areas of income maintenance, mental health and substance abuse, health care, child welfare, nutrition, housing, and employment.

Prerequisite(s): A minimum grade of "C" in all of the following: SOCI 1101 and prior or concurrent enrollment in SOCI 2232.

SOCI 4332 Sociology of Gender**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores gender identity, gender roles, and gendered social structures using the sociological perspective.

Prerequisite(s): SOCI 1101.

Cross Listing(s): SOCI 4332S.

SOCI 4332S Sociology of Gender**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores gender identity, gender roles, and gendered social structures using the sociological perspective.

Prerequisite(s): SOCI 1101.

Cross Listing(s): SOCI 4332S.

SOCI 4334 Organizations, Work, and Technology**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines organizations with an emphasis on the workplace. The course will explore relations within and between organizations using both classical and contemporary sociological and organizational theories. The course will examine how technology and the increasingly global economy influence these relations.

Prerequisite(s): SOCI 1101.

SOCI 4335 Self and Society**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores the relationship between the self and society (the individual and the social milieu) using social psychological and/or symbolic interactionist perspectives. Content includes origins of the self and how it is shaped by society, formation of norms, identity management, socialization, interpersonal influence, and role behavior.

Prerequisite(s): SOCI 1101.

SOCI 4335H Self and Society (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores the relationship between the self and society (the individual and the social milieu) using social psychological and/or symbolic interactionist perspectives. Content includes origins of the self and how it is shaped by society, formation of norms, identity management, socialization, interpersonal influence, and role behavior.

Prerequisite(s): SOCI 1101.

SOCI 4338 Sport, Culture, and Society**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines sport as a social institution, focusing on cultural values related to sport, stratification within and among sports, and issues of power and inequality pertaining to sport.

Prerequisite(s): SOCI 1101.

Cross Listing(s): WGST 4338.

SOCI 4431 Inequality**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the sociological approaches and theories of stratification and structured inequality, and analyzes the causes and consequences of economic, political, and social inequality.

Prerequisite(s): SOCI 1101.**SOCI 4431S Inequality****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the sociological approaches and theories of stratification and structured inequality, and analyzes the causes and consequences of economic, political, and social inequality.

SOCI 4630 Senior Seminar**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A capstone course which will enhance students' knowledge, understanding, and appreciation of the discipline. Key theoretical, methodological, and substantive issues in the discipline will be discussed. Required of all senior majors.

Prerequisite(s): SOCI 3431, 3434.**SOCI 4790 Internship****3-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course is an educational placement to provide qualified students the ability to apply classroom knowledge in a professional setting, which is appropriate for their academic background and career objectives. Internships provide students with learning experiences in order to enhance their academic preparation and increase their professional skills. Students complete tasks at their internship site in addition to course assignments relating their internship experience to academic research/knowledge and previous coursework.

Prerequisite(s): A minimum grade of "C" in SOCI 1101 and departmental approval.**SOCI 4892 Directed Individual Research****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Directed individual research.

Prerequisite(s): Department approval.**SOCI 5094 Selected Topics in Sociology****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Various topics. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): SOCI 5094G, SOCI 5094S.**SOCI 5094S Selected Topics in Sociology****0-3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.**

Various topics. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): SOCI 5094, SOCI 5094G.**SOCI 5433 Program Evaluation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores what it means to live in a society in which accountability is a thematic issue and policy and program benefits which accrue from well-designed evaluations, and proposals. Evaluation research and grant development issues, including basic design and use considerations are discussed. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): SOCI 1101.**Cross Listing(s):** SOCI 5433G.

SPAN Spanish

SPAN 1001 Elementary Spanish I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to listening, speaking, reading, and writing in Spanish and to the culture of Spanish-speaking regions.

Cross Listing(s): SPAN 1001S.**SPAN 1001S Elementary Spanish I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to listening, speaking, reading, and writing in Spanish and to the culture of Spanish-speaking regions.

Cross Listing(s): SPAN 1001.**SPAN 1002 Elementary Spanish II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued listening, speaking, reading and writing, in Spanish with further study of the culture of Spanish-speaking regions.

Cross Listing(s): SPAN 1002S.**SPAN 1002S Elementary Spanish II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued listening, speaking, reading and writing, in Spanish with further study of the culture of Spanish-speaking regions.

SPAN 1060 Accelerated Elementary Spanish**6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

An accelerated introduction to listening, speaking, reading, and writing in Spanish and to the culture of Spanish-speaking regions. Completes the elementary levels of Spanish in one semester.

Cross Listing(s): SPAN 1001, SPAN 1001S, SPAN 1002, SPAN 1002S, SPAN 1060S.**SPAN 1060S Accelerated Elementary Spanish****6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

An accelerated introduction to listening, speaking, reading, and writing in Spanish and to the culture of Spanish-speaking regions. Completes the elementary levels of Spanish in one semester.

Cross Listing(s): SPAN 1001, SPAN 1001S, SPAN 1002, SPAN 1002S, SPAN 1060.**SPAN 2001 Intermediate Spanish I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Building upon communication skills (understanding, speaking, reading, and writing Spanish) and cultural understanding, developed at the elementary level.

Prerequisite(s): A minimum grade of "C" in SPAN 1002 or SPAN 1060.**Cross Listing(s):** SPAN 2001H and SPAN 2001S and SPAN 2060.**SPAN 2001H Intermediate Spanish I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Building upon communication skills (understanding, speaking, reading, and writing Spanish) and cultural understanding, developed at the elementary level.

Prerequisite(s): A minimum grade of "C" in SPAN 1002 or SPAN 1060.**Cross Listing(s):** SPAN 2001 and SPAN 2001S and SPAN 2060.**SPAN 2001S Intermediate Spanish I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Building upon communication skills (understanding, speaking, reading, and writing Spanish) and cultural understanding, developed at the elementary level.

Prerequisite(s): A minimum grade of "C" in SPAN 1002 or SPAN 1060.**Cross Listing(s):** SPAN 2001 and SPAN 2001H and SPAN 2060.**SPAN 2002 Intermediate Spanish II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued building upon proficiency skills (speaking, writing, listening, and reading) and cultural understanding. Focus on development of the ability to create with the language, to resolve simple situations, and to ask and answer questions. After completing this course, successful students should be prepared to function minimally in a Spanish-speaking environment and to take SPAN upper-division courses.

Prerequisite(s): A minimum grade of "C" in SPAN 2001.**Cross Listing(s):** SPAN 2002H, SPAN 2002S, SPAN 2060.

SPAN 2002H Intermediate Spanish II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued building upon proficiency skills (speaking, writing, listening, and reading) and cultural understanding. Focus on development of the ability to create with the language, to resolve simple situations, and to ask and answer questions. After completing this course, successful students should be prepared to function minimally in a Spanish-speaking environment and to take SPAN upper-division courses.

Prerequisite(s): A minimum grade of "C" in SPAN 2001.**Cross Listing(s):** SPAN 2002, SPAN 2002S, SPAN 2060.**SPAN 2002S Intermediate Spanish II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued building upon proficiency skills (speaking, writing, listening, reading) and cultural understanding. Focus on development of the ability to create with the language, to resolve simple situations, and to ask and answer questions. After completing this course, successful students should be prepared to function minimally in a Spanish-speaking environment and to take SPAN upper-division courses.

Prerequisite(s): A minimum grade of "C" in SPAN 2001.**Cross Listing(s):** SPAN 2002, SPAN 2002H, SPAN 2060.**SPAN 2060 Accelerated Intermediate Spanish****6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

Accelerated intermediate Spanish with continued work on listening, speaking, reading, and writing in Spanish and the culture of Spanish-speaking regions. Completes the intermediate levels of Spanish in one semester.

Prerequisite(s): A minimum grade of "C" in SPAN 1002 or SPAN 1060.**Cross Listing(s):** SPAN 2001, SPAN 2002, SPAN 2060S.**SPAN 2060S Accelerated Intermediate Spanish****6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.**

Accelerated intermediate Spanish with continued work on listening, speaking, reading, and writing in Spanish and the culture of Spanish-speaking regions. Completes the intermediate levels of Spanish in one semester.

Prerequisite(s): A minimum grade of "C" in SPAN 1002 or SPAN 1060.**Cross Listing(s):** SPAN 2001, SPAN 2002, SPAN 2060.**SPAN 3030 Selected Topics in Spanish****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Selected topics in Spanish.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.**Cross Listing(s):** SPAN 3030S.**SPAN 3030S Selected Topics in Spanish****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Selected topics in Spanish.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.**Cross Listing(s):** SPAN 3030.**SPAN 3130 Applied Speaking Skills I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides practice in listening, speaking, writing, and reading skills with emphasis on oral communication at the intermediate level of proficiency, based on the ACTFL guidelines. Focus is placed on the development of narration, description, summary, comparison, and explanation in all major time frames within specific communicative contexts in paragraph-length discourse.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.**Cross Listing(s):** SPAN 3130S, SPAN 3130H.**SPAN 3130H Applied Speaking Skills I Hon****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides practice in listening, speaking, writing, and reading skills with emphasis on oral communication at the intermediate level of proficiency, based on the ACTFL guidelines. Focus is placed on the development of narration, description, summary, comparison, and explanation in all major time frames within specific communicative contexts in paragraph-length discourse.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.**Cross Listing(s):** SPAN 3130, SPAN 3130S.**SPAN 3130S Applied Speaking Skills I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides practice in listening, speaking, writing, and reading skills with emphasis on oral communication at the intermediate level of proficiency, based on the ACTFL guidelines. Focus is placed on the development of narration, description, summary, comparison, and explanation in all major time frames within specific communicative contexts in paragraph-length discourse.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.**Cross Listing(s):** SPAN 3130, SPAN 3130H.**SPAN 3131 Critical Reading and Writing I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides practice in writing, reading, and oral skills with emphasis on reading comprehension and written communication at the intermediate level of proficiency, based on the ACTFL guidelines. Focus is placed on the development of narration, description, summary, comparison, and explanation in all major time frames within specific communicative contexts in paragraph-length discourse.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.**Cross Listing(s):** SPAN 3131S, SPAN 3131H.**SPAN 3131H Critical Reading and Writing I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides practice in writing, reading, and oral skills with emphasis on reading comprehension and written communication at the intermediate level of proficiency, based on the ACTFL guidelines. Focus is placed on the development of narration, description, summary, comparison, and explanation in all major time frames within specific communicative contexts in paragraph-length discourse.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.**Cross Listing(s):** SPAN 3131, SPAN 3131S.**SPAN 3131S Critical Reading and Writing I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides practice in writing, reading, and oral skills with emphasis on reading comprehension and written communication at the intermediate level of proficiency, based on the ACTFL guidelines. Focus is placed on the development of narration, description, summary, comparison, and explanation in all major time frames within specific communicative contexts in paragraph-length discourse.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.**Cross Listing(s):** SPAN 3131, SPAN 3131H.**SPAN 3132 Spanish Phonetics and Phonology****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A detailed analysis both in theory and in practice of Spanish speech patterns, vowels, consonants, and intonation.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.**SPAN 3195 Studies Abroad: Language****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A course in oral and written communications in Spanish using materials and resources available in the foreign country.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.**Cross Listing(s):** SPAN 3195S.

**SPAN 3195S Studies Abroad: Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A course in oral and written communications in Spanish using materials and resources available in the foreign country.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

Cross Listing(s): SPAN 3195.

**SPAN 3295 Studies Abroad: Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The study of selected works of literature in Spanish which are appropriate for building on language skills or which are related thematically to the country or culture visited.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

Cross Listing(s): SPAN 3295S.

**SPAN 3295S Studies Abroad: Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The study of selected works of literature in Spanish which are appropriate for building on language skills or which are related thematically to the country or culture visited.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

Cross Listing(s): SPAN 3295.

**SPAN 3335 Conversation, Composition, Culture: South America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on improving linguistic and cultural proficiency within the context of Spanish American cultural content. Course content varies; may include film, music, art, literature, history, etc. Emphasis will be placed on helping students achieve consistency with paragraph formation, narration, detailed description, and resolving a situation with a complication. The linguistic goal of the course is to help students approach the point at which they can communicate at ease with a native speaker of Spanish who is unaccustomed to speaking with non-Spanish speakers.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

**SPAN 3336 Conversation, Composition, Culture: Mexico and Central America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on improving linguistic and cultural proficiency within the context of Mexican cultural content. Course content varies; may include film, music, art, literature, history, etc. Emphasis will be placed on helping students achieve consistency with paragraph formation, narration, detailed description, and resolving a situation with a complication. The linguistic goal of the course is to help students approach the point at which they can communicate at ease with a native speaker of Spanish who is unaccustomed to speaking with non-Spanish speakers.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

Cross Listing(s): SPAN 3336S.

**SPAN 3336S Conversation, Composition, Culture: Mexico and Central America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on improving linguistic and cultural proficiency within the context of Mexican cultural content. Course content varies; may include film, music, art, literature, history, etc. Emphasis will be placed on helping students achieve consistency with paragraph formation, narration, detailed description, and resolving a situation with a complication. The linguistic goal of the course is to help students approach the point at which they can communicate at ease with a native speaker of Spanish who is unaccustomed to speaking with non-Spanish speakers.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

Cross Listing(s): SPAN 3336.

**SPAN 3337 Conversation, Composition, Culture: The Caribbean
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on improving linguistic and cultural proficiency within the context of Caribbean cultural content. Course content varies; may include film, music, art, literature, history, etc. Emphasis will be placed on helping students achieve consistency with paragraph formation, narration, detailed description, and resolving a situation with a complication. The linguistic goal of the course is to help students approach the point at which they can communicate at ease with a native speaker of Spanish who is unaccustomed to speaking with non-Spanish speakers.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

**SPAN 3338 Conversation, Composition, Culture: Spain
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on improving linguistic and cultural proficiency within the context of Peninsular cultural content (Spain). Course content varies; may include film, music, art, literature, history, etc. Emphasis will be placed on helping students achieve consistency with paragraph formation, narration, detailed description, and resolving a situation with a complication. The linguistic goal of the course is to help students approach the point at which they can communicate at ease with a native speaker of Spanish who is unaccustomed to speaking with non-Spanish speakers.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

Cross Listing(s): SPAN 3338H and SPAN 3338S.

**SPAN 3338H ConvCompCult: Spain
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on improving linguistic and cultural proficiency within the context of Peninsular cultural content (Spain). Course content varies; may include film, music, art, literature, history, etc. Emphasis will be placed on helping students achieve consistency with paragraph formation, narration, detailed description, and resolving a situation with a complication. The linguistic goal of the course is to help students approach the point at which they can communicate at ease with a native speaker of Spanish who is unaccustomed to speaking with non-Spanish speakers.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

Cross Listing(s): SPAN 3338 and SPAN 3338S.

**SPAN 3338S Conversation, Composition, Culture: Spain
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on improving linguistic and cultural proficiency within the context of Peninsular cultural content (Spain). Course content varies; may include film, music, art, literature, history, etc. Emphasis will be placed on helping students achieve consistency with paragraph formation, narration, detailed description, and resolving a situation with a complication. The linguistic goal of the course is to help students approach the point at which they can communicate at ease with a native speaker of Spanish who is unaccustomed to speaking with non-Spanish speakers.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

Cross Listing(s): SPAN 3338 and SPAN 3338H.

**SPAN 3339 Conversation, Composition, Culture: Latino USA
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on improving linguistic and cultural proficiency within the context of US Latino cultural content. Course content varies; may include film, music, art, literature, history, etc. Emphasis will be placed on helping students achieve consistency with paragraph formation, narration, detailed description, and resolving a situation with a complication. The linguistic goal of the course is to help students approach the point at which they can communicate at ease with a native speaker of Spanish who is unaccustomed to speaking with non-Spanish speakers.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

**SPAN 3395 Studies Abroad: Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Students become familiar with the culture of the country in which they are staying by examining selected historical, geographical, and artistic features and discussing aspects of the lifestyles of the country.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

Cross Listing(s): SPAN 3395S.

SPAN 3395S Studies Abroad: Culture**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Students become familiar with the culture of the country in which they are staying by examining selected historical, geographical, and artistic features and discussing aspects of the lifestyle of the country.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.**Cross Listing(s):** SPAN 3395.**SPAN 3530 Introduction to Spanish for the Professions****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course incorporates authentic cultural materials and situational practice as students explore a wide range of advanced-level Spanish content and discourse related to professions.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.**Cross Listing(s):** SPAN 3530S.**SPAN 3530S Introduction to Spanish for the Professions****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course incorporates authentic cultural materials and situational practice as students explore a wide range of advanced-level Spanish content and discourse related to professions.

Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.**Cross Listing(s):** SPAN 3530.**SPAN 3630 Introduction to Hispanic Literature****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to literary and cultural texts in Spanish, to their production, interpretation, and signification. Selected works may include examples of poetry, narrative, drama, essay, and film. Students will study and practice the rudiments of literary analysis while they continue to work on the ability to narrate, describe, and explain in all tenses.

Prerequisite(s): A minimum grade of "C" in SPAN 3130 or SPAN 3131.**Cross Listing(s):** SPAN 3630H.**SPAN 3630H Intro to Hispanic Lit-Honors****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to literary and cultural texts in Spanish, to their production, interpretation, and signification. Selected works may include examples of poetry, narrative, drama, essay, and film. Students will study and practice the rudiments of literary analysis while they continue to work on the ability to narrate, describe, and explain in all tenses.

Prerequisite(s): A minimum grade of "C" in SPAN 3130 or SPAN 3131.**Cross Listing(s):** SPAN 3630.**SPAN 4095 Study Abroad Selected Topics****3-12 Credit Hours. 3-12 Lecture Hours. 0 Lab Hours.****SPAN 4130 Applied Speaking Skills II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course builds on listening, speaking, writing, and reading skills with an emphasis on oral communication at the advanced level of proficiency, based on the ACTFL guidelines. Students will focus on speaking and the acquisition of advanced grammatical concepts appropriate for more complex communicative tasks, including stating and supporting opinions, hypothesizing, and speaking in the abstract in linked-paragraph discourse.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.**Cross Listing(s):** SPAN 4130S.**SPAN 4130H Applied Speaking Skills II Hon****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course builds on listening, speaking, writing, and reading skills with an emphasis on oral communication at the advanced level of proficiency, based on the ACTFL guidelines. Students will focus on speaking and the acquisition of advanced grammatical concepts appropriate for more complex communicative tasks, including stating and supporting opinions, hypothesizing, and speaking in the abstract in linked-paragraph discourse.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.**Cross Listing(s):** SPAN 4130, SPAN 4130S.**SPAN 4130S Applied Speaking Skills II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course builds on listening, speaking, writing, and reading skills with an emphasis on oral communication at the advanced level of proficiency, based on the ACTFL guidelines. Students will focus on speaking and the acquisition of advanced grammatical concepts appropriate for more complex communicative tasks, including stating and supporting opinions, hypothesizing, and speaking in the abstract in linked-paragraph discourse.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.**Cross Listing(s):** SPAN 4130, SPAN 4130H.**SPAN 4131 Critical Reading & Writing II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course builds on writing, reading, and oral skills with emphasis on reading comprehension and written communication at the advanced level of proficiency, based on the ACTFL guidelines. Students will focus on the acquisition of advanced grammatical concepts appropriate for the production and comprehension of more complex texts. This course targets communicative tasks such as stating and supporting opinions, hypothesizing, and writing in the abstract, all in linked-paragraph discourse.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.**Cross Listing(s):** SPAN 4131S.**SPAN 4131H Critical Reading & Writing II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course builds on writing, reading, and oral skills with emphasis on reading comprehension and written communication at the advanced level of proficiency, based on the ACTFL guidelines. Students will focus on the acquisition of advanced grammatical concepts appropriate for the production and comprehension of more complex texts. This course targets communicative tasks such as stating and supporting opinions, hypothesizing, and writing in the abstract, all in linked-paragraph discourse.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.**Cross Listing(s):** SPAN 4131, SPAN 4131S.**SPAN 4131S Critical Reading and Writing II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course builds on writing, reading, and oral skills with emphasis on reading comprehension and written communication at the advanced level of proficiency, based on the ACTFL guidelines. Students will focus on the acquisition of advanced grammatical concepts appropriate for the production and comprehension of more complex texts. This course targets communicative tasks such as stating and supporting opinions, hypothesizing, and writing in the abstract, all in linked-paragraph discourse.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.**Cross Listing(s):** SPAN 4131, SPAN 4131S.**SPAN 4132 Introduction to Hispanic Linguistics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

What is language? How do languages function? How is human language different from other communication systems? Focusing on Spanish, this course also explores language acquisition, language contact and bilingualism.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.**Cross Listing(s):** SPAN 4132S.**SPAN 4132S Introduction to Hispanic Linguistics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

What is language? How do languages function? How is human language different from other communication systems? Focusing on Spanish, this course also explores language acquisition, language contact and bilingualism.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.**Cross Listing(s):** SPAN 4132.

SPAN 4195 Studies Abroad: Advanced Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The practice of Spanish language and study of the supporting grammatical structures using materials and resources available in the foreign country.

Prerequisite(s): Departmental approval.

Cross Listing(s): SPAN 4195S.

SPAN 4195S Studies Abroad: Advanced Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The practice of the Spanish language and study of the supporting grammatical structures using materials and resources available in the foreign country.

Prerequisite(s): Departmental approval.

Cross Listing(s): SPAN 4195.

SPAN 4231 Spanish American Life, Literature, and Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An exploration of the life, literature, and thought of Spanish America, with focus on building advanced-level proficiency in writing, listening, reading, and speaking.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.

Cross Listing(s): SPAN 4231S and LAST 4231.

SPAN 4231S Spanish American Life, Literature, and Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An exploration of the life, literature, and thought of Spanish America, with focus on building advanced-level proficiency in writing, listening, reading, and speaking.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.

Cross Listing(s): SPAN 4231 and LAST 4231.

SPAN 4233 Peninsular Life, Literature, and Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An exploration of the life, literature, and thought of Spain, with focus on building advanced-level proficiency in writing, listening, reading, and speaking.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.

Cross Listing(s): SPAN 4233H.

SPAN 4233H Peninsular Life, Lit., Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An exploration of the life, literature, and thought of Spain, with focus on building advanced-level proficiency in writing, listening, reading, and speaking.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.

Cross Listing(s): SPAN 4233.

SPAN 4295 Studies Abroad: Advanced Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An intensive study of literary works thematically related to the country or culture visited by the student.

Prerequisite(s): Departmental approval.

Cross Listing(s): SPAN 4295S.

SPAN 4295S Studies Abroad: Advanced Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An intensive study of literary works thematically related to the country or culture visited by the student.

Prerequisite(s): Departmental approval.

Cross Listing(s): SPAN 4295.

SPAN 4335S Spanish Am Civ & Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of the culture and civilization of Spanish America from the time of the pre-Colombian Indian societies through the present.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.

Cross Listing(s): LAST 3331.

SPAN 4395 Studies Abroad: Advanced Civilization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study at the advanced level of the land, culture, civilization, monuments, and artistic achievements of the country in which the student is studying.

Prerequisite(s): Departmental approval.

Cross Listing(s): SPAN 4395S.

SPAN 4395S Studies Abroad: Advanced Civilization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study at the advanced level of the land, culture, civilization, monuments, and artistic achievements of the country in which the student is studying.

Prerequisite(s): Departmental approval.

Cross Listing(s): SPAN 4395.

SPAN 4530 Advanced Spanish for the Professions
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course incorporates authentic cultural materials and situational practice as students explore a wide-range of advanced-level Spanish content and discourse related to professions.

Prerequisite(s): A minimum grade of "C" in SPAN 3530.

Cross Listing(s): SPAN 4530S.

SPAN 4530S Advanced Spanish for the Professions
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course incorporates authentic cultural materials and situational practice as students explore a wide-range of advanced-level Spanish content and discourse related to professions.

Prerequisite(s): A minimum grade of "C" in SPAN 3530.

Cross Listing(s): SPAN 4530.

SPAN 4532 Foundations of Translation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an introduction to the field of translation. It focuses on comparative study of characteristic modes of expression and introduction to the theoretical aspects and practical techniques of translation, using documents from a variety of sources.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.

Cross Listing(s): SPAN 4532S, SPAN 4532H.

SPAN 4532H Foundations of Translation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an introduction to the field of translation. It focuses on comparative study of characteristic modes of expression and introduction to the theoretical aspects and practical techniques of translation, using documents from a variety of sources.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.

Cross Listing(s): SPAN 4532S, SPAN 4532.

SPAN 4532S Foundations of Translation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an introduction to the field of translation. It focuses on comparative study of characteristic modes of expression and introduction to the theoretical aspects and practical techniques of translation, using documents from a variety of sources.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.

Cross Listing(s): SPAN 4532, SPAN 4532H.

SPAN 4533 Hispanic Business Through Literature and Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Study of authentic cultural materials that demonstrate the influence of social, economic, and political thought on business and professional practices in the Hispanic world.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.

SPAN 4635 Transatlantic Studies**3 Credit Hours. 45 Lecture Hours. 0 Lab Hours.**

In this course, proficiency skills (speaking, listening, writing, reading) are refined as depth and nuance are added to the understanding of Hispanic history, literature, culture, and contemporary events through an in-depth study of a particular topic that spans the Spanish-speaking world temporally and geographically.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.**Cross Listing(s):** SPAN 4635H.**SPAN 4635H Transatlantic Studies****3 Credit Hours. 45 Lecture Hours. 0 Lab Hours.**

In this course, proficiency skills (speaking, listening, writing, reading) are refined as depth and nuance are added to the understanding of Hispanic history, literature, culture, and contemporary events through an in-depth study of a particular topic that spans the Spanish-speaking world temporally and geographically.

Prerequisite(s): A minimum grade of "C" in SPAN 3630.**Cross Listing(s):** SPAN 4635.**SPAN 4790 Spanish Internship****1-15 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Internship in one or more Spanish speaking countries.

Prerequisite(s): A minimum grade of "C" in SPAN 3630 and departmental approval.**Cross Listing(s):** SPAN 4790S.**SPAN 4790S Spanish Internship****1-15 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Internship in one or more Spanish speaking countries.

Prerequisite(s): A minimum grade of "C" in SPAN 3630 and departmental approval.**Cross Listing(s):** SPAN 4790.**SPAN 4890 Directed Study in Spanish****1-15 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Concentrated study of a topic in Spanish literature, culture, society, thought or language. May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in SPAN 3630 and departmental approval.**Cross Listing(s):** SPAN 4890S.**SPAN 4890S Directed Study in Spanish****1-15 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Concentrated study of a topic in Spanish literature, culture, society, thought or language. May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in SPAN 3630 and departmental approval.**Cross Listing(s):** SPAN 4890.**SPAN 5030 Selected Topics in Spanish****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Selected topics in Spanish. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in one 4000-level Spanish course or permission of instructor.**Cross Listing(s):** SPAN 5030S, SPAN 5030G.**SPAN 5030S Selected Topics in Spanish****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Selected topics in Spanish. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in one 4000-level Spanish course or permission of instructor.**Cross Listing(s):** SPAN 5030, SPAN 5030G.**SPAN 5090 Selected Topics in Spanish****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.****Prerequisite(s):** A minimum grade of "C" in one 4000-level Spanish course or permission of instructor.**Cross Listing(s):** SPAN 5090G.**SPAN 5230 Studies in Hispanic History****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Practice of superior-level Spanish-proficiency skills through the examination of the history of the Spanish-speaking world. Graduate students must produce an extra paper/project, give an extra conference-length presentation, and conduct extra research that is not required of the undergraduate students. Course repeatable for credit with advisor approval.

Prerequisite(s): A minimum grade of "C" in one 4000-level Spanish course or permission of instructor.**Cross Listing(s):** SPAN 5230G.**SPAN 5234 Studies in Hispanic Literature****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Practice of superior-level Spanish-proficiency skills through the examination of the literatures of the Spanish-speaking world. Situates works in their cultural, historical, and aesthetic contexts using appropriate critical methodologies. Graduate students must produce an extra paper/project, give an extra conference-length presentation, and conduct extra research that is not required of the undergraduate students. Course repeatable for credit with advisor approval.

Prerequisite(s): A minimum grade of "C" in one 4000-level Spanish course or permission of instructor.**Cross Listing(s):** SPAN 5234G.**SPAN 5331 Latinos in the U.S.****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is designed to familiarize students with significant cultural, historical, and social contributions of Latinos in the United States. Emphasis will be placed on the diversity within the Latino community and the contributions of Latino literature. Graduate students will be assigned extra work that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in one 4000-level Spanish course or permission of instructor.**Cross Listing(s):** SPAN 5331G.**SPAN 5332 Studies in Hispanic Film****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Practice of Superior-level Spanish-proficiency skills through study of the films of the Spanish-speaking world. Situates works in their cultural, historical, and aesthetic contexts using appropriate critical methodologies. Graduate students must produce an extra paper/project, give an extra conference-length presentation, and conduct extra research that is not required of the undergraduate students. Course repeatable for credit with advisor approval.

Prerequisite(s): A minimum grade of "C" in one 4000-level Spanish course or permission of instructor.**Cross Listing(s):** SPAN 5332G.

SPED Special Education

SPED 3130 Characteristics of Learners with Special Needs**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides a review of the etiology, diagnosis, characteristics, and philosophical and educational implications of the full range of students with special needs who demonstrate a need for additional educational services in order to achieve full potential. Considerable emphasis will be placed on the delivery of educational services and social issues related to Mild Disabilities. Together with the listed co-requisites, this course is designed to meet the requirements of House Bill 671.

Prerequisite(s): Admission to Teacher Education Program.**Corequisite(s):** SPED 3131, SPED 3134, SPED 3711.

SPED 3131 Assessment in Special Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed to provide an overview of a variety of assessment techniques, including observations, teacher-made test, criterion referenced assessments, and standardized evaluation tools for use in identifying and developing programs for individuals with special learning needs. Special emphasis will be placed on interpreting assessment results for instructional planning. Prerequisite(s); Admission to Teacher Education Program.

Corequisite(s): SPED 3134.

SPED 3133 Methodologies of Inclusive P-5 Settings
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.

This course is designed to examine: (a) research-based methods for curriculum and instruction in an inclusive classroom, (b) differentiated instruction, (c) instructional curricular adaptations, and (d) collaboration for individuals with age-level learning abilities as well as those individuals with mild disabilities, preschool through grade 5. This course includes a field component.

SPED 3134 Special Education Procedures
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Designed to provide knowledge about litigation and legislation affecting Special Education and the procedures associated with pre-referral, assessment, placement, and instruction of children with special needs. The development of eligibility reports, Individual Education Plans, and Transition Plans are included in course content.

Prerequisite(s): Admission to Teacher Education Program.

Corequisite(s): SPED 3131.

SPED 3230 Char/Mental Retardation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**SPED 3231 Classroom Management**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed to initiate the preservice teacher in the basic procedures for instructional and behavior management of students with disabilities. Emphasis is placed on the understanding and development of skills in the following areas: data-based behavioral management, including several theoretical paradigms; research-based effective instructional management; and applied behavior analysis techniques. This course includes a field component.

Prerequisite(s): A minimum grade of "C" in SPED 3711.

SPED 3331 Introduction to Special Education for Early Childhood Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed to examine: (a) the characteristics of students with disabilities, (b) the educational and legal implications for working with students with disabilities and other special learning needs, (c) collaborating with other professionals to meet the needs of all students, (d) strategies for successful inclusion, and (e) instructional and curricular adaptations.

Prerequisite(s): Admission to Teacher Education Program.

SPED 3332 Introduction to Special Education in the Middle Grades
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed to examine the etiology, diagnosis, characteristics, effective teaching strategies, and philosophical, educational, and legal implications of the full range of students who demonstrate a need for additional educational services in order to achieve full potential.

Prerequisite(s): Admission to Teacher Education Program.

SPED 3333 Introduction to Special Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed to examine the etiology, diagnosis, characteristics, effective teaching strategies, and philosophical, educational, and legal implications of the full range of students who demonstrate a need for additional educational services in order to achieve full potential.

Prerequisite(s): Admission to Teacher Education Program.

SPED 3631 Inclusive Practices
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed to focus on best practices for educating P-12 students with diverse learning needs in the general education classroom. Candidates will investigate significant legal and historical considerations related to inclusion, pedagogical and curricular issues, collaboration, best instructional practices, and current trends. This course includes a field component.

SPED 3711 Special Education Practicum I
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.

This practicum course is designed to provide an opportunity for students to work within the classroom to practice skills taught in corequisite courses addressing characteristics, assessment, and curricular choices for individuals with special needs.

Prerequisite(s): Admission to Teacher Education Program.

Corequisite(s): SPED 3130, SPED 3131, SPED 3134.

SPED 3722 Special Education Practicum II
2 Credit Hours. 0 Lecture Hours. 5 Lab Hours.

This practicum course is designed to provide an opportunity for preservice teacher candidates to work within P-12 classrooms to conduct formal observations of the classroom and specific students within that context. In addition, the preservice teacher candidates are required to design a unit of instruction appropriate to the students within the two assigned classrooms to be graded in the appropriate SPED Methods course. A significant amount of tutoring in small groups is included.

Prerequisite(s): A minimum grade of "C" in SPED 3711.

Corequisite(s): SPED 4230, SPED 4231.

SPED 4090 Special Education Special Topics
3-12 Credit Hours. 3-12 Lecture Hours. 0 Lab Hours.

Designed to provide additional specialized field-based experience or remedial coursework as needed to meet the needs of preservice teachers. Attention will be focused on providing opportunities for strengthening skills necessary to special education teachers.

Prerequisite(s): Approval of advisor, instructor, and department chair.

SPED 4230 Instructional and Behavior Management Methods, P-5
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course will provide preservice candidates with practical methods for planning and managing group and individualized instruction in all curriculum areas for individuals with mild disabilities, preschool through grade 5. It includes review, demonstration, and preparation of programs, methods, and materials for such instruction in both general and special education classrooms. The course is part of the Special Education Block experience and includes a field component.

SPED 4231 Instructional and Behavior Management Methods, 6-12
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course will provide preservice candidates with practical methods for planning and managing group and individualized instruction in all curriculum areas for individuals with mild disabilities, grades 6 through 12. It includes review, demonstration, and preparation of programs, methods, and materials for such instruction in both regular and special education classrooms. Instruction in methods for transitioning is one of the primary foci of this course. The course is part of the Special Education Block experience and includes a field component.

SPED 4430 Family, Community and Professional Collaboration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This seminar is designed to provide preservice teachers with knowledge of effective communication skills and to present models of consultation and collaboration for use in family, community, and professional relationships. The models are applied to working with families, teachers and other community professionals involved in the provision of services to students with disabilities.

Corequisite(s): SPED 5799.

SPED 4721 SpeEd Practicum III
2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.

SPED 4733 SPED Practicum III**3 Credit Hours. 0 Lecture Hours. 20 Lab Hours.**

This practicum course will provide an opportunity for preservice candidates to work within diverse P-5 classrooms to practice instructional and classroom management skills. In addition to special education classrooms, students may be placed in inclusionary settings and/or classrooms for students identified as being "at-risk" learners. The course is part of the Special Education Block experience.

Prerequisite(s): A minimum grade of "C" in SPED 3722 and READ 4131.**Corequisite(s):** SPED 3231, SPED 3631, SPED 4734.**SPED 4734 SPED Practicum IV****3 Credit Hours. 0 Lecture Hours. 20 Lab Hours.**

This practicum course will provide an opportunity for preservice candidates to work within diverse classrooms, grades 6 through 12, to practice instructional and classroom management skills. In addition to special education classrooms, students may be placed in inclusionary settings and/or classrooms for students identified as being "at-risk" learners. The course is part of the Special Education Block experience.

Prerequisite(s): A minimum grade of "C" in SPED 3722 and READ 4131.**Corequisite(s):** SPED 3231, SPED 3631, SPED 4733.**SPED 5030 Infants, Toddlers with Disabilities Methods****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is designed to provide the teacher candidate with the knowledge, skills, and dispositions necessary to be effective professionals in providing inclusive, culturally competent and family directed early intervention (EI) services for families, infants, and toddlers with disabilities and those at-risk for developmental delays. Course content will focus on curricular approaches in EI, specific intervention strategies, individual family service plan (IFSP) development, and curriculum planning issues. In addition, assistive technology will be included in the scope of intervention strategies and supports. Course requirements include 45 hours of field experience.

Prerequisite(s): A minimum grade of "C" in SPED 3331 and CHFD 3131.**Cross Listing(s):** SPED 5030G.**SPED 5031 PreK and Kindergarteners with Disabilities Methods****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is designed to provide teacher candidates with the practical skills and techniques for working with preschool children with disabilities and their families with respect to cultural and linguistic differences in a variety of settings. Content includes curriculum models, intervention strategies, service delivery models, technology applications and design of family-directed, culturally sensitive individual education plans (IEP). Course requirements include 45 hours of field experience.

Prerequisite(s): A minimum grade of "C" in SPED 3331 and CHFD 3131.**Cross Listing(s):** SPED 5031G.**SPED 5799 Student Teaching in Special Education****9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Student teaching is a period of guided teaching practice. Under the direction of a clinical supervisor, candidates gradually assume increasing responsibility for classroom instruction and management. During this experience, candidates are expected to engage directly in many of the activities which constitute the wide range of a teacher's responsibility.

Corequisite(s): SPED 4430.**Cross Listing(s):** SPED 5799G.

STAT Statistics

STAT 2231 Introduction to Statistics I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introductory statistics course which covers descriptive statistics, probability, random variables and selected probability distributions, statistical inference including confidence intervals and hypothesis tests. Appropriate technology will be used for simulation and to solve statistical problems. Neither a background in calculus nor experience with computers is required.

Prerequisite(s): A minimum grade of "C" in MATH 1101, MATH 1111, MATH 1112, MATH 1113, MATH 1232, MATH 1441.**Cross Listing(s):** STAT 2231H.**STAT 2231H Introduction to Statistics I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introductory statistics course which covers descriptive statistics, probability, random variables and selected probability distributions, statistical inference including confidence intervals and hypothesis tests. Appropriate technology will be used for simulation and to solve statistical problems. Neither a background in calculus nor experience with computers is required.

Prerequisite(s): A minimum grade of "C" in MATH 1101, MATH 1111, MATH 1112, MATH 1113, MATH 1232, MATH 1441, MATH 1441H.**Cross Listing(s):** STAT 2231.**STAT 2232 Introduction to Statistics II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A continuation of STAT 2231. The focus is on inferential procedures to compare the same characteristic between two or more populations and inferential procedures to investigate the relationship between two or more variables from the same population. Topics include tests of association, regression, correlation, and analysis of variance. The statistical software package SPSS is used.

Prerequisite(s): STAT 2231 with a minimum grade of "C".**STAT 3130 Applied Statistics****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introductory course in applied statistics for students in the natural sciences, social sciences, health and professional studies, technology, and business. The material covered will provide an introduction to statistical concepts and terminology while focusing on descriptive and inferential methods of data analysis. Both parametric and nonparametric methods are presented for the analysis of central tendency, variability, proportions, and categorical data. Topics covered also include regression and correlation.

Prerequisite(s): MATH 1111.**STAT 4090 Selected Topics in Statistics****1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.**

Specialized study in a selected area of Statistics.

Prerequisite(s): Permission of instructor required.**STAT 4890 Directed Study in Statistics****1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.**

Directed study under faculty supervision. Well-prepared statistics students may be permitted to enroll in an independent study upon the recommendation of a Statistics faculty member.

Prerequisite(s): Permission of instructor and Department Chair required.**STAT 5130 Sampling and Survey Methods****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the design and analysis of sample surveys suitable for students in business, social sciences, and biological sciences in addition to the mathematical sciences. Comparison of simple random sampling, stratified, systemic, cluster and multistage sampling. Emphasis on appropriate sample type and estimation of parameters. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): STAT 2231 with a minimum grade of "C".

STAT 5330 Introduction to Mathematical Statistics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introductory course intended to present a solid foundation in statistical theory, and, at the same time, to provide an indication of the relevance and importance of the theory in solving practical problems in the real world. Topics include, moments and moment-generating functions, point and interval estimation, test of statistical hypothesis, contingency tables and goodness-of-fit, nonparametric methods, and introduction to linear models. This course covers part of the material outlined in the Society of Actuaries' course 110. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): MATH 3337 with a minimum grade of "C".**Cross Listing(s):** STAT 5330G.**STAT 5531 Statistical Methods I****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is the first of a two course sequence in applied statistics. The material covered will provide an introduction to statistical concepts and terminology while focusing on descriptive and inferential methods of data analysis. Topics include descriptive statistics, parameter estimation, tests of significance, confidence intervals, analysis of variance, simple linear regression and correlation, and resampling methods including bootstrapping. Both parametric and nonparametric methods are presented for the analysis of central tendency, variability, proportions and categorical data. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in MATH 3337.**STAT 5532 Statistical Methods II****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This is the second of a two course sequence in applied statistics. The material covered will provide an introduction to the ideas of linear models and experimental design while focusing on methods of data analysis using regression and analysis of variance. Topics include multiple regression analysis, analysis of variance with multiple classification, analysis of covariance, repeated measures analysis of variance, multiple comparison techniques, and diagnostic procedures and transformations. Suitable for students in business administration, economics, and the social, health and biological sciences. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in STAT 5531.**Cross Listing(s):** STAT 5532G.

SUST Sustainability

SUST 4730 Practicum in Environmental Sustainability**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A practicum for the completion of the Concentration in Environmental Sustainability. Students will work with a faculty mentor to develop and implement sustainability projects in their field of expertise on campus or in the community. Projects will be presented to the public at the end of the semester in a Sustainability Symposium. The course is offered through the Center for Sustainability at Georgia Southern.

TCET Civil Engineering Technology

TCET 2241 Surveying**0,4 Credit Hours. 0,2 Lecture Hours. 0,4 Lab Hours.**

Principles of the level, theodolite, EDM, total station and global positioning system, taping, note keeping, coordinate geometry, control surveys, triangulation, trilateration, plane coordinate systems, azimuth and topographic mapping. Laboratory includes use of level, theodolite, EDM, total station, GPS, traverse closure, topographic mapping, measuring distances and heights using coordinate geometry calculations.

Prerequisite(s): MATH 1113, MATH 1441, MATH 2242.**TCET 3141 Environmental Pollution****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Review of role of EPA in environmental protection. Basic hydrology of catchments. Causes, estimation and control of storm waters. Surface water, groundwater, air and noise pollution, plus control methodology. Principles of solid waste systems, and hazardous waste control. Standard EPA approved laboratory tests to evaluate environmental pollution. Stream sanitation and DO sag curve. Computer programs to trace movement and concentration of pollutants in rivers, estuaries, and aquifers, plus aquifer rehabilitation using injection and pumped wells.

Prerequisite(s): CHEM 1145 or CHEM 1147.**TCET 3142 Structural Analysis****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Introduction to types of structures and loads. Analysis of statically determinate and indeterminate structures by classical and other methods. The types of structures covered include beams, plane trusses and plane frames. Topics include external and internal reactions, deflections, moving loads and influence lines, approximate methods (including portal method and cantilever method), classical slope-deflection and moment distribution methods, and an introduction to matrix method. Computational laboratory activities in support of instruction, including use of industry-standard structural analysis software.

Prerequisite(s): TENS 2138, ENGR 1731, TENS 2143, MATH 2242.**TCET 3233 Transportation Systems****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Overview of transportation engineering with respect to operational and traffic characteristics of land, air and water transportation systems. Emphasis on design and traffic control devices. Laboratory involves data measurement and analysis techniques associated with transportation engineering.

TCET 3234 Construction Materials**0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.**

Introduction to engineering properties of common civil engineering materials including metals, soils, aggregates, Portland cement concrete, asphalt concrete, wood, and masonry. Laboratory involves performance of standard tests on aggregates, concretes, wood; emphasizing data analysis and application of test results to design specifications.

Prerequisite(s): TENS 2143.**TCET 3236 Project Cost Analysis, Planning and Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the cost estimating process related to the site work and highway construction industry, and examines construction drawings and specifications documents as they relate to cost estimation process.

The course also covers key aspects of project planning, scheduling, and management. Topics include: bid documents, estimating process, cost of labor and equipment, handling and transporting materials, earthwork and excavation, computerized estimating, techniques for economy studies of multiple alternatives, project scheduling, project management, and safety.

Corequisite(s): TCET 3234.**TCET 4141 Water Supply Systems****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Parameters, equations and procedures for the design of wastewater and storm water collection systems, parameters, equations and procedures for the design of water distribution systems, pumps, pump curves, pumping stations, sizing storage tanks and wetwells. Design of wastewater and stormwater collection systems. Rainfall-runoff computations. Hardy-Cross method for pipe networks. Design of culverts, drop structures, sheet flow, computer programs for unlined channel design.

Prerequisite(s): TENS 2144.**Cross Listing(s):** TCET 4141H.

TCET 4141H Water Supply Systems-Honors**0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Parameters, equations and procedures for the design of wastewater and storm water collection systems, parameters, equations and procedures for the design of water distribution systems, pumps, pump curves, pumping stations, sizing storage tanks and wetwells. Design of wastewater and stormwater collection systems. Rainfall-runoff computations. Hardy-Cross method for pipe networks. Design of culverts, drop structures, sheet flow, computer programs for unlined channel design.

Prerequisite(s): TENS 2144.**Cross Listing(s):** TCET 4141.**TCET 4142 Reinforced Concrete Design****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Characteristics of concrete materials, introduction to ACI building code requirements for reinforced concrete, strength design of slabs, beams, columns and footings. Design/computational laboratory activities in support of instruction.

Prerequisite(s): TCET 3142.**TCET 4146 Structural Steel Design****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Characteristics of structural steels, introduction to AISC Load and Resistance Factor Design (LRFD) specifications. Design of tension members, columns, beams, beam-columns and connections. Design/computational laboratory activities in support of instruction.

Prerequisite(s): TCET 3142.**TCET 4243 Highway Design****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

A synthetic approach to highway design based on considerations of geometric controls, structural requirements, drainage needs, and economy. Laboratory includes design projects, field stake out of horizontal curves, cross-sectioning, and slope staking.

Prerequisite(s): TCET 2241, TCET 3234, TCET 3233.**TCET 4244 Soil Mechanics and Foundations****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Introduction to soil mechanics and foundations, including: soil composition, index properties, classification, exploration, compaction, permeability and seepage, stress distribution, consolidation, settlement, shear strength, bearing capacity, lateral earth pressure; application of soil mechanics to design of footings and analysis of retaining walls and pile foundations. Laboratory includes evaluation of soil properties, using the test results in design and analysis.

Prerequisite(s): TENS 2143, TENS 2138.**TCET 4245 Water-Wastewater Treatment****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Sources and characteristics of water and wastewater. Principles of design for units and processes in water and wastewater treatment plants. Treatment standards. Standard laboratory tests used to control the operation of water and wastewater treatment plants. Field trips to water and wastewater treatment plants. Computer program design of water treatment units.

Prerequisite(s): TCET 3141, TENS 2144.**Cross Listing(s):** TCET 4245H.**TCET 4245H Water-Wastewater Treatment****0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.**

Sources and characteristics of water and wastewater. Principles of design for units and processes in water and wastewater treatment plants. Treatment standards. Standard laboratory tests used to control the operation of water and wastewater treatment plants. Field trips to water and wastewater treatment plants. Computer program design of water treatment units.

Prerequisite(s): TCET 3141, TENS 2144.**Cross Listing(s):** TCET 4245.**TCET 4536 Senior Project****3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.**

Designed to be culmination of the undergraduate civil engineering technology education, the course draws together diverse elements of the CET curriculum to provide integrating experiences and to develop competence in focusing both technical and nontechnical skills in solving problems. The project involves design and analysis of a new or modified civil engineering project or system with demonstration feasibility.

Prerequisite(s): TCET 4142, TCET 4146.**TCET 4890 Special Problems in CET****1-4 Credit Hours. 0 Lecture Hours. 0-4 Lab Hours.**

Individual and specialized study in areas of civil engineering technology (CET) not otherwise covered in the student's program.

TCGT General Technology

TCGT 1530 Global Sustainability and Innovation**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces students to the pivotal role of our ability to apply scientific principles, appropriate and advancing technologies, and best practices in establishing a sustainable global environment. The course involves active discussion of global environmental and sustainability issues such as pollution, conservation, and climate change.

TCGT 4090 Selected Topics in Technology**1-3 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours.**

Scheduled on an infrequent basis to explore special areas in technology and will carry a subtitle. Keeps with established policies for offering a structured course on an infrequent basis. It will allow faculty to offer a course on a trial basis for possible approval at a later date.

Cross Listing(s): TCGT 4090S.**TCGT 4090S Selected Topics in Technology****1-3 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours.**

Scheduled on an infrequent basis to explore special areas in technology and will carry a subtitle. Keeps with established policies for offering a structured course on an infrequent basis. It will allow faculty to offer a course on a trial basis for possible approval at a later date.

Cross Listing(s): TCGT 4090.

TCM Construction Management

TCM 1131 Building Materials and Systems**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The materials, systems and methods of construction. Topics include material properties, selection and application criteria and construction processes. Covers divisions 7-14 of the CSI Master format, but with an emphasis on divisions 7-9.

TCM 1231 Introduction to Construction Management**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This course presents an introduction to the construction management profession and the construction industry that it serves. It includes an overview of industry sectors, professional organizations, and the industry's impact on the economy. The basics of the construction process and delivery systems will be discussed. Students will be introduced to software that is part of the construction manager's day-to-day role. A thorough understanding of the construction management curriculum and the various courses will be provided.

TCM 1232 Construction Graphics**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This course is a study of construction drawings and specifications. It exposes students to fundamental graphical communication knowledge and print-reading skills. Students will also learn necessary modeling techniques to create basic construction models and generate construction drawings using the most cutting-edge Building Information Modeling (BIM) tools. Topics include print reading, sketching and drafting techniques for the presentation of floor plans, elevations, sections and building components using BIM software.

Prerequisite(s): TCM 1231, MATH 1112, MATH 1113, MATH 1441.**TCM 2233 Construction Surveying****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Introduction to the equipment and techniques used for construction surveying, including measurement of distances, horizontal and vertical angles, and differences in elevation. Emphasis is placed on accuracy of measurements, precise operation of instruments, completeness in laboratory exercises, and accurate field notes.

Prerequisite(s): A minimum grade of "C" in TCM 1232, MATH 1112 or MATH 1113 or MATH 1441.**TCM 2234 Mechanical and Electrical Equipment and Systems****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course includes a study of mechanical and electrical equipment and systems as related to the construction industry. The course is composed of three basic parts. Part one addresses available energy sources, thermoflow and ventilation characteristics, air handling systems, and mechanical codes. Part two addresses domestic water and waste systems, fire sprinklers and stand pipe systems and plumbing codes. Part three addresses electrical power, lighting and communication systems and electrical codes.

Prerequisite(s): A minimum grade of "C" in TCM 1232, PHYS 1111, PHYS 1113 or permission of instructor.**TCM 2240 Introduction to Structures****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

The theory of structures and its applications to building construction. Topics include analysis of coplanar force systems, analysis of trusses and frames, friction, centroids and moment of inertia, stresses and strains, properties of materials, bending, shear, deflections in beams, combined stresses and analysis of columns.

Prerequisite(s): A minimum grade of "C" in PHYS 1111, PHYS 2211, PHYS 1113.**TCM 2333 Building Information Modeling for Construction Management****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Introduction to Building Information Modeling (BIM). This course highlights the merits of BIM in promoting productivity and profitability in the construction industry. Topics include the history of information modeling technology and its impacts on construction industry; major BIM software applications and basic modeling techniques; application of BIM authoring and analysis skills for construction projects. The course emphasizes hands-on modeling skills and the utilization of BIM technology to solve construction project problems.

Prerequisite(s): A minimum grade of "C" in TCM 1232.**TCM 2430 Construction Safety****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course includes a study of safe construction practices. Topics include workers' compensation insurance, OSHA regulations, construction disasters, safe construction training and planning, and the hidden costs of accidents. Students are highly encouraged to obtain the OSHA 30-hour safety card as part of this course.

TCM 3231 Structures I**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This course explores the means and methods used in the construction of structural systems with a primary focus on steel structures. The course presents topics on the fundamental material properties and strengths of structural steels and on the purposes of different structural elements (beams, columns, shear and moment connections, splices, braces, composite slabs, gusset plates, bolts, anchor rods, shear studs, welds, stiffeners, etc.) The course additionally presents a description of the design methods in steel structures and construction of various structural systems.

Prerequisite(s): A minimum grade of "C" in TCM 1232, TCM 2240.**TCM 3232 Structures II****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This course discusses the means and methods used in the construction of structural systems with emphasis on concrete and masonry structures. The course presents topics on the fundamental properties and characteristics of concrete, concrete mix, strengths, design and construction of concrete formwork, concrete reinforcing, placing, testing, masonry materials and construction of various structural systems.

Prerequisite(s): A minimum grade of "C" in TCM 1232, TCM 2240.**TCM 3330 Quantity Estimating****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Construction estimating with emphasis on quantity take-off and specifications, including techniques of interpreting a visualizing construction drawings.

Prerequisite(s): A minimum grade of "C" in TCM 3231, TCM 3232, TCM 2232, TCM 1131.**TCM 3331 Construction Finance****0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

A study of financial management for contractors with special emphasis on project level financial controls, cost accounting and variance analysis, the time value of money, cash flow management, overhead and break-even analysis, banking and bonding, financial statements and ratios.

Prerequisite(s): A minimum grade of "C" in ECON 2105, ACCT 2030, TCM 1231.**TCM 3332 Construction Equipment Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The various aspects of heavy equipment management and ownership. Topics include equipment acquisition and disposition options, production costs and productivity, cost analysis and control, management staffing and responsibilities, selected topics in maintenance, depreciation and economic life.

Prerequisite(s): A minimum grade of "C" in MATH 1112, MATH 1113, MATH 1441.**Cross Listing(s):** TCM 3332S.**TCM 3332S Const. Equipt. Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The various aspects of heavy equipment management and ownership. Topics include equipment acquisition and disposition options, production costs and productivity, cost analysis and control, management staffing and responsibilities, selected topics in maintenance, depreciation and economic life.

Prerequisite(s): A minimum grade of "C" in MATH 1112, MATH 1113, MATH 1441.**Cross Listing(s):** TCM 3332.**TCM 3333 Building Codes****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course includes a study of codes applicable to the construction industry with emphasis on the Standard Building Code. An introduction to construction related federal regulations with an emphasis on labor related issues; construction labor unions and the collective bargaining process.

Prerequisite(s): A minimum grade of "C" in TCM 1131.

TCM 3890 Special Problems in Construction**1-4 Credit Hours. 1-4 Lecture Hours. 0-4 Lab Hours.**

Individualized study in the area of building construction and contracting not otherwise available in the student's program.

Prerequisite(s): Permission of instructor 6 weeks prior to term course will be taken.

TCM 4090 Selected Topics in Construction**1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.**

Scheduled on an infrequent basis to allow the exploration of undergraduate topics within building construction and contracting. Course shall carry a subtitle for topic identification.

Prerequisite(s): Permission of instructor.

TCM 4090H Sel. Topics in Construction**1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.**

Scheduled on an infrequent basis to allow the exploration of undergraduate topics within building construction and contracting. Course shall carry a subtitle for topic identification.

Prerequisite(s): Permission of instructor.

TCM 4090S Sel. Topics in Construction**1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.**

Scheduled on an infrequent basis to allow the exploration of undergraduate topics within building construction and contracting. Course shall carry a subtitle for topic identification.

Prerequisite(s): Permission of instructor.

TCM 4432 Construction Administration**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

Terms, documents and operations inherent in building construction management. Topics include business ownership, company organization, project bidding/negotiating methods, construction contracts, bonds, insurance and accounting.

Prerequisite(s): A minimum grade of "C" in TCM 3331 and Junior status.

TCM 4434 Site Construction**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

The site development construction process with an emphasis on soils as a construction material. Topics include soils investigation, testing, classification, engineering properties and modification techniques, excavation equipment, construction dewatering, slope stability and support, layout and grade staking, sediment and erosion control, foundations, underground utilities and pavements.

Prerequisite(s): A minimum grade of "C" in TCM 2233, TCM 3332.

TCM 4530 Senior Project**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

This course includes an exercise in project management, including estimating and scheduling from construction documents of a project. The assigned project includes developing a fictitious organization, production of a project estimate and schedule and preparing a construction bid and other construction documentation.

Prerequisite(s): COMM 1110, STAT 2231.

Corequisite(s): TCM 5431, TCM 5433.

Cross Listing(s): TCM 4530S, TCM 4530H.

TCM 4530H Senior Project (Honors)**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

An exercise in estimating and scheduling from construction documents of an actual building project utilizing major elements of the CM program. Project includes developing a fictitious construction company organization, production of a project estimate and schedule and preparing a construction bid and construction documentation.

Prerequisite(s): COMM 1110, STAT 2231.

Cross Listing(s): TCM 4530.

TCM 4530S Senior Project**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

An exercise in estimating and scheduling from construction documents of an actual building project utilizing major elements of the CM program. Project includes developing a fictitious construction company organization, production of a project estimate and schedule and preparing a construction bid and construction documentation.

Prerequisite(s): COMM 1110, STAT 2231.

Cross Listing(s): TCM 4530, TCM 4530H.

TCM 4740 Internship**4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Designed for students to receive practical work experience with an approved construction firm. A total of 560 contact hours with the construction firm is required.

Prerequisite(s): A minimum grade of "C" in TCM 4432.

TCM 5330 Green Building and Sustainable Construction**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is a study of advanced topics in green construction beginning with the philosophy behind sustainability related technology and its implementation. The course provides a thorough expansion on LEED (Leadership in Energy and Environmental Design) core concepts including construction and design for sustainable sites, water efficiency, energy & atmosphere, materials & resources, indoor environmental quality and innovation and design. The course also examines sustainable construction methodologies and their associated environmental impacts. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in TCM 1131, TCM 2234 or permission of instructor.

Cross Listing(s): TCM 5330G.

TCM 5431 Construction Cost Estimating**3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.**

This course includes methods and procedures for estimating costs of construction projects. Topics include types and purposes of estimates, direct and indirect costs, labor and equipment cost analysis, the CSI Masterformat, approximate estimates, and computerized estimating methods. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in TCM 3330, TCM 3331 or permission of instructor.

Cross Listing(s): TCM 5431G.

TCM 5433 Proj Planning/Scheduling**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course covers the fundamentals and techniques of planning and scheduling for construction projects. Topics include bar charts, Critical Path Method using both arrow and node networks, precedence networks, cost-time trade-offs, PERT, resource leveling, updating schedules during construction, project control, earned value method, lean construction principles and practices, and computerized scheduling techniques.

Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

Prerequisite(s): A minimum grade of "C" in STAT 2231, TCM 1231 or permission of instructor.

Cross Listing(s): TCM 5433G.

TEET Electrical Engineering Technology

TEET 2143 Circuit Analysis I

0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

An introduction to basic circuit analysis including DC and AC circuits, network theorems and Kirchoff's laws. Laboratory activities in support of instruction.

Prerequisite(s): A minimum grade of "C" in MATH 1441 and TENS 2146.

TEET 2441 Digital Circuits

0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

A study of basic asynchronous and synchronous logic circuits. Topics include logic functions, Boolean operations, logic families, combinational logic, flip-flops, counters, registers, and memory systems. Also includes laboratory activities in support of instruction.

Prerequisite(s): Prior or concurrent enrollment and a minimum grade of "C" in TENS 2146.

TEET 2443 Microcontrollers

0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

Study and applications of the 8051 Microcontroller. Course topics include microcontroller architecture, memory, peripheral devices, interfacing, and programming. Also includes laboratory activities in support of instruction.

Prerequisite(s): A minimum grade of "C" in TEET 2441.

TEET 3145 Circuit Analysis II

0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

A continuation of Circuit Analysis I. Topics include AC Power, Polyphase Circuits, Transformers, Resonant Circuits, LaPlace Transforms in Circuit Analysis, Transfer Functions, Fourier Analysis. Laboratory activities in support of instruction.

Prerequisite(s): A minimum grade of "C" in TEET 2143 and MATH 2242.

TEET 3241 Electronics I

0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

An introduction to basic solid state devices, including diodes, BJTs and FETs; their applications in rectifiers, amplifiers, and power supplies. Also includes laboratory activities in support of instruction.

Prerequisite(s): A minimum grade of "C" in TEET 2143 or equivalent or permission of program coordinator.

TEET 3243 Electronics II

0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

A continuation of TEET 3241. Topics include FET and BJT small signal amplifiers, power amplifiers, tuned amplifiers, multistage amplifiers, feedback amplifiers, operational amplifiers, oscillators, and regulated power supplies.

Prerequisite(s): A minimum grade of "C" in TEET 3241 or equivalent or permission of program coordinator.

TEET 3341 Electric Machines

0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

DC and AC (single and polyphase) motors and generators, energy converters and transformers. Also includes laboratory activities in support of instruction.

Prerequisite(s): TEET 3145 or permission of program coordinator.

TEET 3343 Electrical Distribution Systems

0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

This course is a study of electrical power generation, transmission, and distribution. It primarily focuses on the parameters affecting the transfer of electric power over the transmission lines, with emphasis on power flow control and NEC regulations. The course also includes laboratory activities in support of instruction.

Prerequisite(s): A minimum grade of "C" in TEET 3145.

TEET 3890 Directed Independent Study

1-4 Credit Hours. 1-4 Lecture Hours. 0 Lab Hours.

An individualized study involving research and applications pertaining to Electrical Engineering Technology.

TEET 4090 Selected Topics in Electrical Engineering Technology

1-6 Credit Hours. 1-6 Lecture Hours. 0-6 Lab Hours.

Designed to provide for study of Electrical Engineering Technology course topics not generally offered by the program.

TEET 4540 Automatic Controls

4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.

An introduction to control feedback theory including block diagrams transfer functions, stability properties of feedback, and classical design methods. This course includes laboratory activities in support of instruction.

Prerequisite(s): A minimum grade of "C" in TENS 2146 or equivalent.

TEET 4610 EET Senior Project I

0,1 Credit Hours. 0,1 Lecture Hours. 0,2 Lab Hours.

Team efforts toward submitting a successful project proposal. Emphasis on engineering project development, project specifications, tasks scheduling, project management, and ethical or societal issues involved. Students are expected to perform research and start basic project design including component layouts, computer simulations and parts specifications.

Prerequisite(s): TEET 2443 and TEET 3243.

TEET 4620 EET Senior Project II

0,2 Credit Hours. 0,1 Lecture Hours. 0,3 Lab Hours.

This course is the second stage of the senior design project. In this segment students start the actual implementation of their projects that includes building of electrical and/or mechanical systems, CAE/CAD software development, program writing, printed circuit board fabrication, systems testing, and performance evaluation. Requirements include weekly progress reports, oral presentations, a comprehensive final report, and a final project demonstration.

Prerequisite(s): TEET 4610.

TEET 4890 Special Problems in EET

1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Individual and specialized study in areas of electrical engineering technology not otherwise covered in the student's program.

TEET 5238 Industrial Electronics

0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.

A study of industrial applications of electronic devices including SCR's, triacs, switching circuits, timers, logic control circuits, optical devices, and sensors. The course also includes laboratory activities. Graduate students will complete an additional independent research project that involves a written report with an oral presentation.

Prerequisite(s): TEET 3243 or TMAE 5132.

Cross Listing(s): TEET 5238G.

TEET 5245 Electronic Communication Systems

0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

In this course students will study basic principles, devices and circuits in modern electronic communications systems. Topics include systems and signal analysis, spectrum analysis, amplitude modulation and detection, frequency modulation and detection and oscillators. Graduate students will complete an additional independent research project.

Prerequisite(s): ENGR 2341 or TEET 3241 and TEET 3145.

Corequisite(s): TEET 3243.

Cross Listing(s): TEET 5245G.

TEET 5340 Digital Communications

0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

Students will investigate digital modulation techniques including ASK, FSK, BPSK, QAM and M-ary schemes; gain in-depth knowledge of analog-to-digital conversion principles; and explore practical real-world communications applications including wireless communications, cell phone technology, and consumer communications systems. Also includes laboratory activities in support of instruction. Graduate students will be required to complete an independent research project, not required of undergraduate students.

Prerequisite(s): TEET 5245.

Cross Listing(s): TEET 5340G.

TEET 5531 Programmable Logic Controllers**0,3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.**

A study of sequential programmable logic controllers (PLCs) as applied to industrial processes with emphasis on ladder diagrams, input/output devices, application programming design of beginning through advanced functions, systems and networking. Also includes laboratory activities in support of instruction. Graduate students will complete an independent research project which involves a written and oral presentation.

Prerequisite(s): TENS 2146.**Cross Listing(s):** TEET 5531G.**TEET 5542 Computer System Design****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

This course is an in-depth study of the inner-workings of modern digital computer systems and trade offs present at the hardware-software interface. Activities will include the design process in the context of a complex hardware system and practical experiences with computer-aided design tools. Topics include: instruction set design, computer arithmetic, controller and data path design, memory systems, input-output systems, pipelining, performance and cost analysis. Graduate students will be required to complete an additional research project.

Prerequisite(s): TMAE 5132 or TEET 2443 or ENGR 2332.**Cross Listing(s):** TEET 5524G.

TENS Engineering Science

TENS 2135 Thermodynamics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to thermodynamics. First and second law analysis of thermal systems. Use of property charts, tables and equations of state in analyzing common thermal processes of technological importance.

Prerequisite(s): MATH 2242.**TENS 2137 Engineering Economy****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the time value of money and its effect on economic decisions. The principles and techniques needed to make decisions about the acquisition and retirement of capital goods, the output and life of equipment, operating costs, depreciation rates and economic selection.

Prerequisite(s): MATH 1113 or prior or concurrent enrollment in MATH 1441.**TENS 2138 Digital Computation****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

An introduction to engineering technology problem solving using the computer. Emphasis is placed on the application of advanced software, programming logic/structure, and programming languages. Exploration of a range of problems that are suitable to be solved using computers and the software tools which provide the best fit for these problems.

TENS 2141 Statics**0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

The study of force systems and equilibrium of bodies at rest. Forces in plane trusses machines and frames, centroids and moments of inertia, and friction. Includes problem solving sessions in support of the above topics.

Prerequisite(s): MATH 1113, MATH 1441, MATH 2242.**TENS 2142 Dynamics****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

The study of kinetics of particles and rigid bodies; work, energy, impulse and momentum as applied to particles. Includes problem sessions in support of the above topics.

Prerequisite(s): MATH 1441, TENS 2141, ENGR 2231.**TENS 2143 Strength of Materials****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Introduction to concepts of stress and elastic deformation under axial, torsional, flexural and combined loadings and beam loading. Also includes laboratory activities in materials testing and problem solving.

Prerequisite(s): MATH 1441, ENGR 2231, TENS 2141.**TENS 2144 Fluid Mechanics****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

Fundamentals of fluid dynamics for incompressible fluids, fluid static and dynamic forces, Bernoulli's equation, pipe flow and losses, open channel flow and flow measurement. Also includes methods, procedures and the use of equipment and meters to measure standard fluid properties and phenomena.

Prerequisite(s): MATH 1441, ENGR 2231, TENS 2141.**TENS 2146 Electrical Devices and Measurements****0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.**

An introduction to basic electrical devices and measurements. Coverage includes analog/digital systems and computer simulation. Also includes laboratory activities in support of instruction.

Prerequisite(s): MATH 1441 or MATH 1232.

THEA Theatre

THEA 1100 Theatre Appreciation**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introductory study of theatre as an art form and practical act, this course provides students with a foundation for the understanding and analysis of the theatrical event.

Cross Listing(s): THEA 1100S.**THEA 1100S Theatre Appreciation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introductory study of dramatic literature and its relationship to the theatrical arts including set, costume, lighting design, acting, and directing.

Cross Listing(s): THEA 1100.**THEA 1250 Introduction to Production Concepts****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces students to the principles of script analysis for use in the study of play texts, and the development of design and directorial concepts. Script analysis skills are developed through a combination of written and oral work, while the collaborative nature of theatre is explored through group development of production concepts.

THEA 2331 Stage Make-up**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course offers students an introduction to make-up materials and techniques of application. Included with the basic techniques will be working with aging, wounds, scars, prosthetics, and other types of make-up.

THEA 2332 Stagecraft**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course introduces students to the basic principles of scenic construction styles, stage lighting and costume construction, models the safe working habits appropriate to each production area, and familiarizes students with the tools and equipment of each area. Upon completion, the student will be able to identify stage equipment, construction methods, and materials used in each production area.

THEA 2333 Fundamentals of Acting**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course introduces the beginning performer to the basic tools of acting, including physical and vocal techniques, character development, and rehearsal and staging methods, through exercises and scene study.

THEA 2711 Theatre Practicum**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

This course provides students with opportunities to take an active part in a theatrical production. A maximum of three hours may apply toward a degree. Thirty hours of clock work will equal one hour of credit.

THEA 3030 Selected Topics in Theatre**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course offers study in various specialized theatrical subjects. Topics taught may include Property Design and Construction, Advanced Makeup, and Devised Theatre, in addition to others which may be offered.

Cross Listing(s): THEA 3030S.**THEA 3030S Selected Topics in Theatre****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Offers varied courses in specialized areas in the field of Theatre.

Cross Listing(s): THEA 3030.**THEA 3230 Voice for the Stage****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

Students will participate in alignment exercises, de-structuring and re-structuring breath for optimum resonance, projection and voice control, will use articulation drills, learn the International Phonetic Alphabet for use in accent work, and will study scansion and text imaging work for Shakespeare.

THEA 3231 Movement for the Actor**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course introduces students to various movement techniques used in the theatre. These techniques address issues including range of motion, flexibility, and the ability to create and inhabit physical characterizations.

THEA 3232 Vectorworks for the Stage**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course will introduce the student to concepts of 2D and 3D computer-aided design techniques used in theatre and the entertainment industry. This course is designed to move from understanding basic graphic layouts to advanced 2D/3D environment creation, while providing foundational knowledge for creating and understanding ground plans, elevations, construction drawings, perspective renderings, and lighting plots.

Prerequisite(s): A minimum grade of "C" in THEA 1250, THEA 2332 or permission of instructor.

Cross Listing(s): THEA 3232H.**THEA 3232H Vectorworks for Stage-Honors****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course will introduce the student to various 2D and 3D computer aided drafting techniques used in the theatre. These techniques are intended to increase the individual's ability to present construction drawings, elevations, ground plans and lighting plots for industry needs.

Prerequisite(s): A minimum grade of "C" in THEA 2332.

Cross Listing(s): THEA 3232.**THEA 3233 Audition and the Business of Acting****3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course is designed to develop audition skills needed for graduate school and professional auditions. Topics will include monolog selection and preparation, cold readings, sight reading, and scene preparation. In addition, students will learn about headshots, resumes, unions, and the business side of the theatre profession.

Prerequisite(s): A minimum grade of "C" in THEA 2332.

THEA 3234 Acting for the Screen**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

In this course, students will learn acting techniques specific to film and video.

Prerequisite(s): A minimum grade of "C" in THEA 2333.

THEA 3330 Acting: Scene Study**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course broadens student understanding of the craft of acting. Special emphasis will be placed on character study utilizing various forms of text analysis and performance styles.

Prerequisite(s): A minimum grade of "C" in THEA 2333 or Permission of Instructor.

THEA 3331 Advanced Stagecraft**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is intended to apply advanced construction methods, principles, and techniques to scenery for both theatre and film. The course will address the creation of production calendars as well as production budgeting for designs in both industries.

Prerequisite(s): A minimum grade of "C" in THEA 1250, THEA 2332.

THEA 3332 African American Theatre**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Investigates the contributions of black playwrights, actors, and directors to American theatre.

Cross Listing(s): AAST 3332.**THEA 3333 Irish Theatre****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies the theatre of Ireland from the Abbey Theatre through the present. Covers Irish theatre movement and plays by significant playwrights from W.B. Yeats to Brian Friel.

Cross Listing(s): THEA 3333S, IRSH 3333.**THEA 3333S Irish Theatre****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Studies the theatre of Ireland from the Abbey Theatre through the present. Covers Irish theatre movement and plays by significant playwrights from W.B. Yeats to Brian Friel.

Cross Listing(s): THEA 3333, IRSH 3333.**THEA 3336 Theatre Management****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides students with an introductory study of the principles and practices of theatrical management. Provides a systematic examination of the role of the theatre stage manager.

THEA 3337 Play Directing**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course instructs students and allows practice in staging techniques, textual analysis, conceptualization, communication with actors and designers, issues in casting, and rehearsal techniques as applied to directing for the theatre.

Prerequisite(s): A minimum grade of "C" in THEA 1250, THEA 2333.

THEA 3337H Play Directing (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Includes conceptualization, communication with actors and designers, and casting and rehearsal techniques necessary to stage a play for the theatre.

Prerequisite(s): A minimum grade of "C" in THEA 1250, THEA 2333.

THEA 3338 Rehearsal and Performance**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

This course will enable a student to receive credit for intensive participation in a theatrical production over the course of a 4-to-7 week period. The student will participate in a number of different activities: acting, set design and construction, costume design and construction, lighting design and implementation, publicity, stage management, property design and construction, house management, and others.

THEA 3711 Practicum: Professional Development**1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.**

This course is designed to guide upper-division theatre majors in refining their focus(es) in theatre practice (acting, directing, design/technology, dramaturgy, or another area). This course will emphasize preparation of portfolios appropriate to the student's area of focus. In addition, students will identify and pursue graduate, internship, and/or professional opportunities.

THEA 4330 Theatre History I: Origins to 1700
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course surveys the development of theatrical practice and dramatic literature from its origins to around 1700. The history of acting, directing, stage design, production methods, and the physical spaces of theatre will be addressed, in addition to the examination of representative play texts. This course will include the study of ritual and Non-Western theatrical genres.

Prerequisite(s): A minimum grade of "C" in THEA 1250 or Permission of Instructor.

THEA 4331 Theatre History II: 1700 to Contemporary
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course surveys the development of theatrical practice and dramatic literature from 1700 to emerging 21st century patterns. The history of acting, directing, stage design, production methods, and the physical spaces of theatre will be addressed, in addition to the examination of representative play texts.

Prerequisite(s): A minimum grade of "C" in THEA 1250 or Permission of Instructor.

Cross Listing(s): THEA 4331S.

THEA 4331S Theatre History II: 1700 to Contemporary
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course surveys the development of theatrical practice and dramatic literature from 1700 to emerging 21st century patterns. The history of acting, directing, stage design, production methods, and the physical spaces of theatre will be addressed, in addition to the examination of representative play texts.

Prerequisite(s): A minimum grade of "C" in THEA 1250 or Permission of Instructor.

Cross Listing(s): THEA 4331.

THEA 4332 Children's Theatre and Storytelling
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Examines play theory, storytelling, and creative drama techniques for the staging of plays with and for children.

THEA 4333 Acting Styles**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

This course introduces students to a variety of specialized period acting styles including, but not limited to, techniques for performing Shakespeare, Restoration comedy, Brecht/Epic Theatre, and Beckett/Theatre of the Absurd.

Prerequisite(s): A minimum grade of "C" in THEA 2333 or Permission of Instructor.

THEA 4333S Acting Styles**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Specialized study of the techniques needed to perform in a particular style of theatre or in the work of a particular playwright. Topics include Shakespeare and verse drama, Brecht and Epic theatre, improvisational comedy, and Greek and Roman tragedy. May be repeated once for credit.

Cross Listing(s): THEA 4333.

THEA 4334 Drama in Performance**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the relationship between the play in performance and the dramatic text with special attention to historical theories of acting which influence the literary works.

Cross Listing(s): THEA 4334S.

THEA 4334S Drama in Performance**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the relationship between the play in performance and the dramatic text with special attention to historical theories of acting which influence the literary works.

Cross Listing(s): THEA 4334.

THEA 4335 Scene Design**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course will introduce students to the visual and spatial communication tools of scene design, paying particular attention to the way design enhances performance and comments on a production's thematic content. The course focuses on script analysis, research and its interpretation, the designer's process and responsibilities, and the presentation of ideas to a production team. The visual tools of communication taught will include research presentations, sketching, rendering, and model making.

Prerequisite(s): A minimum grade of "C" in THEA 2332, THEA 1250.

THEA 4336 Lighting Design**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides students with an in-depth survey of the theory and practice of costume design. The course relies on textual analysis to create character through clothing, introduces students to the aesthetic principles of costume design, develops basic figure drawing and color media skills, and applies those skills and principles via the creation of costume renderings.

Prerequisite(s): A minimum grade of "C" in THEA 2332, THEA 1250.

THEA 4337 Costume Design**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides students with an in-depth survey of the theory and practice of costume design. The course relies on textual analysis to create character through clothing, introduces students to the aesthetic principles of costume design, develops basic figure drawings and color media skills, and applies those skills and principles via the creation of costume renderings.

Prerequisite(s): A minimum grade of "C" in THEA 2332 and THEA 1250.

THEA 4338 Seminar: World Theatre**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is a study of one of the forms of theater engaged in by different cultures around the world. Each course will focus on one specific area of theater chosen from: People's Theatre, Russian Theatre, Asian Theatre, Classic Greek Theatre, Neo-Classic Theatre, or some other area within the Instructor's expertise.

THEA 4338S Seminar: World Theatre**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course is a study of one of the forms of theatre engaged in by different cultures around the world. Each course will focus on one specific area of theatre chosen from: People's Theatre, Russian Theatre, Asian Theatre, Classic Greek Theatre, Golden Age Theatre, Neo-Classic Theatre, or some other area within the Instructor's expertise.

THEA 4711 Practicum: Capstone**1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.**

This course is designed to allow upper-division theatre majors to complete a Capstone project appropriate to their focus (acting, directing, design/technology, dramaturgy, or another area). Students will engage directly with the production season of the Program and will complete a thesis reflecting on their process and work product.

THEA 4831 Directed Study in Theatre**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Permits students to conduct in-depth study of issues associated with theatre. This course cannot be used to replace existing courses in the catalog. Must be approved by the department chair and the instructor.

Cross Listing(s): THEA 4831H, THEA 4831S.

THEA 4831H Directed Study in Theatre**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Permits students to conduct in-depth study of issues associated with theatre. This course cannot be used to replace existing courses in the catalog. Must be approved by the department chair and the instructor.

Cross Listing(s): THEA 4831, THEA 4831S.

THEA 4831S Directed Study in Theatre
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Permits students to conduct in-depth study of issues associated with theatre. This course cannot be used to replace existing courses in the catalog. Must be approved by the department chair and the instructor.

Cross Listing(s): THEA 4831, THEA 4831H.

THEA 5530 Playwriting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course involves the study, analysis, and practice in the art and craft of writing plays for the stage. Undergraduates complete a one act play while graduate students complete a first draft for a full length play.

Prerequisite(s): A minimum grade of "C" in THEA 1250 or Permission of Instructor.

Cross Listing(s): THEA 5530G.

TMET Mechanical Engineering Technology

TMET 2128 Solid Modeling and Analysis
2 Credit Hours. 0 Lecture Hours. 4 Lab Hours.

Students will develop a working proficiency in parametric solid modeling software, such as Pro/Engineer. In addition to creating solid models, students will develop a basic understanding of structural and thermal analysis. The skills learned in the course will be applied in junior and senior level MET courses.

Prerequisite(s): Prior or concurrent enrollment in TENS 2143 and ENGR 1133.

TMET 2521 Introduction to Mechatronics
0,2 Credit Hours. 0,1 Lecture Hours. 0,2 Lab Hours.

Lecture and laboratory instruction in the theory and practice of engineering technology measurements and their application to controlled activities. A familiarity with traditional measuring devices, and a proficiency with data acquisition packages will be developed. The packaging of results in reports and presentations will be emphasized.

Prerequisite(s): TENS 2146 and prior or concurrent enrollment in all of the following: TENS 2143, PHYS 2212, PHYS 1112.

TMET 3130 Mechanism Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Kinematic analysis and synthesis of the basic mechanism will be covered in this course. Emphasis will be given to slider crank mechanism, four-bar linkage, gear trains and cams. Dynamics of Machineries will be introduced.

Prerequisite(s): A minimum grade of "C" in TENS 2142.

TMET 3135 Machine Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Advanced topics from Mechanics of Materials, such as, stress and strain matrix, column, thick walled pressure vessels, interference fits, curved beams and contact stresses will be covered. Modes of failures including both static and dynamic failure theories will be introduced.

Prerequisite(s): A minimum grade of "C" in TENS 2143.

TMET 3136 Machine Component Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Detailed design of Machine Components such as transmission shafts, keys, couplings, bearings, springs, gears, clutches, brakes and fasteners will be covered.

Prerequisite(s): TMET 3135.

TMET 3232 Thermodynamics II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A second course in thermodynamics that expands upon first and second law analysis techniques developed in an introductory thermodynamics course. Includes an in-depth analysis of power and refrigeration cycles. Serves as an introduction to combustion processes.

Prerequisite(s): TENS 2144 and TENS 2135 and prior or concurrent enrollment in CHEM 1147.

TMET 3233 Heat Transfer
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to basic energy transport by conduction, convection and radiation. Applications to extended surfaces, heat exchanger, etc.

Prerequisite(s): TENS 2135.

TMET 3341 Materials Science
0,4 Credit Hours. 0,3 Lecture Hours. 0,3 Lab Hours.

Study of engineering materials such as metals and alloys. Atomic structure and arrangement; control of the microstructure and mechanical properties of materials, mechanical testing, solidification, cooling curves, and phase diagrams and various strengthening mechanisms. Laboratory includes problem solving sessions and experiments on materials related to strengths, toughness, solidification, and metallography.

Prerequisite(s): CHEM 1147.

TMET 3343 Materials Processing
0,4 Credit Hours. 0,3 Lecture Hours. 0,2 Lab Hours.

Traditional as well as modern processing techniques. Limitation on use of different materials and their processing, metal-casting processes end equipment, forming and shaping processes and equipment, joining processes and equipment. Laboratory includes problem solving sessions and experiments on the metallurgy of materials.

Prerequisite(s): : A minimum grade of "C" in TMET 3341.

TMET 3431 Free Enterprise Simulation
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.

A synergistic, hands-on, activity-based study of the planning, setup, and operation of a private enterprise. Students will study and experience the full scope of leadership and functional management roles as they organize, own, and operate a simulated private enterprise company by developing, producing, and marketing a competitive product for actual profit.

TMET 3711 Mechanical Engineering Technology Seminar I
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

Students are introduced to numerical methods and problem solving skills essential to solving applied engineering problems. Concepts will be presented in an introductory seminar period, and the remaining time will be used by students to solve related applied engineering problems in the laboratory. Course content will benefit students in the completion of senior-level technical electives.

TMET 3712 Mechanical Engineering Technology Seminar II
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.

Students are introduced to topics essential for improving performance on the Fundamentals of Engineering Exam. Topics such as engineering economy, ethics, and global citizenship are reinforced, while topics such as electrical devices, mechanics, energy science, and numerical methods are reviewed. Seminar activities will draw upon technical knowledge from all junior or 3000-level program specific courses.

TMET 4090 Selected Topics in Mechanical Engineering Technology
1-6 Credit Hours. 1-6 Lecture Hours. 1-6 Lab Hours.

Provides for study of Mechanical Engineering Technology course topics not generally offered by the program.

TMET 4118 Mechanical System Design Lab
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

Laboratory experience associated with TMET 4137. Students become familiar with a CAD/CAE software which will be used in TMET 4137 for design projects.

TMET 4138 Mech. Sys. Design Lab
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

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TMET 4225 Thermal Science Lab
2 Credit Hours. 0 Lecture Hours. 4 Lab Hours.

Laboratory activities in support of instruction in thermodynamics, heat transfer, and HVAC.

Prerequisite(s): TMET 3232 and TMET 3233.

TMET 4890 Special Problems in Mechanical Engineering Technology
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

Individual and specialized study in areas of mechanical engineering technology not otherwise covered in the student's program.

TMET 4899 Directed Independent Study

1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

An individualized study involving research and applications pertaining to Mechanical Engineering Technology.

TMET 5133 Vibration and Preventive Maintenance

3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.

An introduction to mechanical vibrations and preventive maintenance. Emphasis is placed on: undamped and damped free vibration of single degree of freedom systems, vibration analysis of system with multiple degrees of freedom, and forced vibration analysis with different excitations. Students will engage in hands-on experimental studies and develop analysis techniques using vibration data. Preventive maintenance topics will also be studied. Graduate students will be required to complete additional laboratory and research assignments.

Prerequisite(s): TMET 3135, TMET 2521, TMET 3130.

Cross Listing(s): TMET 5133G.

TMET 5134 Introduction to Finite Element Analysis

3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.

An introduction to the fundamentals of Finite Element Analysis. Students will develop a working knowledge of a commercial FEA software package. Students will model and analyze mechanical and thermal engineering problems using a commercial FEA package. Students will develop an ability and competence in interpretation and analysis of FEA results. Graduate students will be required to complete additional laboratory and research assignments.

Prerequisite(s): TMET 2128, TMET 3136, TMET 3233.

Cross Listing(s): TMET 5134G.

TMET 5136 Mechanical Controls

3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.

An understanding of the elements of classical control theory will be developed. Students will be introduced to the concept of feedback and its properties; the concept of stability and stability margins; and the different tools that can be used to analyze these properties. Students will also develop a working knowledge of the basics of linear control techniques. Graduate students will be required to complete additional laboratory and research assignments.

Prerequisite(s): TMET 3130.

Cross Listing(s): TMET 5136G.

TMET 5137 Mechanical System Design

3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.

A capstone design course requiring that students call upon all of their academic preparations in the solution of mechanical system problems. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.

Cross Listing(s): TMET 5137G.

TMET 5234 HVAC

3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.

Introductory course in Heating, Ventilating, and Air Conditioning (HVAC) systems. HVAC processes are analyzed and load calculations are performed in accordance with ASHRAE practices. Design projects are included. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.

Prerequisite(s): TMET 3232 and TMET 3233.

Cross Listing(s): TMET 5234G.

TMET 5431 Automation and CIMS

3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.

A capstone course in materials science and processing. Fundamental manufacturing, automation, and topics in production and related control systems are covered. Numerical control, computer integrated manufacturing, and flexible manufacturing systems are included. Laboratory includes work with a Mini-CIM system. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.

Prerequisite(s): ENGR 1133, TENS 2138, TMET 3343.

Cross Listing(s): TMET 5431G.

TMFG Manufacturing Technology

TMFG 5133 Automated Manufacturing Systems

0,3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.

Computer Integrated Manufacturing (CIM) concentrating on advanced computer numerical control machining, and the interface of robotics systems in manufacturing. Experiences using programming techniques, production equipment simulations and rapid prototyping are emphasized. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): ENGR 1133.

Cross Listing(s): TMFG 5133G.

TMFG 5230 International Manufacturing

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of opportunities, issues, and problems involved in manufacturing products for import and export, and in dealing with global suppliers of materials, parts, and assemblies. Focus is on those aspects unique to the management of technical operations, such as ISO (International Organization for Standardization) quality standards, scheduling, and technology transfer. Additional topics may include transportation, customs documentation, global trends and trade policies, and cultural issues. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): TMFG 5230S, TMFG 5230G.

TMFG 5230S International Manufacturing

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of opportunities, issues, and problems involved in manufacturing products for import and export, and in dealing with global suppliers of materials, parts, and assemblies. Focus is on those aspects unique to the management of technical operations, such as ISO (International Organization for Standardization) quality standards, scheduling, and technology transfer. Additional topics may include transportation, customs documentation, global trends and trade policies, and cultural issues. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): TMFG 5230, TMFG 5230G.

TMFG 5233 Manufacturing Applications in Information Technology

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A senior level seminar emphasizing the application of commercially available software to solve manufacturing production problems. Topics include Theory of Constraints, Failure Mode and Effect Analysis, Flow Charting, and Project Management. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): TMFG 5233G.

UHON University Honors

UHON 1131 Inquiry in the Social Sciences

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An introduction to inquiry into questions and problems in the social sciences.

UHON 1131S Inquiry in the Social Sciences**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to inquiry into questions and problems in the social sciences.

UHON 1132 Inquiry in the Humanities**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to inquiry into questions and problems in the humanities.

UHON 1132S Inquiry in the Humanities**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to inquiry into questions and problems in the humanities.

UHON 1133 Inquiry in the Natural Sciences**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to inquiry into questions and problems in the natural sciences.

UHON 3090 Honors Enrichment Seminar**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

An in-depth exploration of a special topic in an honors seminar setting. Reserved for students in the Honors Programs. Topics to be selected by Honors Council based on proposals submitted by faculty.

UHON 3090S Honors Enrichment Seminar**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

An in-depth exploration of a special topic in an honors seminar setting. Reserved for students in the Honors Programs. Topics to be selected by Honors Council based on proposals submitted by faculty.

UHON 4191 Honors Research Seminar**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

A seminar course designed to prepare honors students to complete the honors thesis or capstone project.

UHON 4999 Honors Research**1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Independent research under the guidance of a faculty mentor for students in the University Honors Program. Students may register for 1-3 credit hours.

WBIT Web BSIT

WBIT 1100 Introduction to Information Technology**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course is an introductory course in information technology. Topics include foundation in hardware, software, data, and an overview of the information technology in organizations. Additional topics include structured programming techniques, systems development, database design and networking, with an emphasis on appropriate business ethics, interpersonal skills and team building.

WBIT 1310 Programming and Problem Solving I**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course helps students to develop basic problem-solving skills using the Java programming language. Students are introduced to fundamentals of Java programming language with emphasis on primitive data types, control structures, methods, arrays, classes, objects, abstraction, inheritance and polymorphism. Students learn basic techniques of good programming style, design, coding, debugging, and documentation. Students are able to create programs to solve basic practical problems.

Prerequisite(s): A minimum grade of "C" in WBIT 1100.

WBIT 2000 The Enterprise and IT**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course will look at the structure and management of an information technology infrastructure. From the management aspect the course will touch on principles and practices of managing both people and technology to support an organization. The course will emphasize how to make an information technology infrastructure effective, efficient, and productive. The management of hardware, software, data, networks and other supporting IT functions will be studied.

Prerequisite(s): A minimum grade of "C" in WBIT 1100.

WBIT 2300 Discrete Mathematics for IT**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Discrete (as opposed to continuous) mathematics is of direct importance to the fields of Computer Science and Information Technology. This branch of mathematics includes studying areas such as set theory, logic, relations, graph theory, and analysis of algorithms. This course is intended to provide students with an understanding of these areas and their use in the fields of Computer Science and Information Technology.

Prerequisite(s): A minimum grade of "C" in MATH 1113 or MATH 1232 or MATH 1441.

WBIT 2311 Programming and Problem Solving II**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The emphasis of this course is on advanced programming techniques in Java including GUI's, software reuse through component libraries, recursion, event-driven programming, database processing, file processing, and exception handling. Students are able to create event-driven, graphical programs or text-based programs solving practical problems incorporating databases and external files.

Prerequisite(s): A minimum grade of "C" in WBIT 1310 and WBIT 2300.

WBIT 3010 Technical Communication**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course covers workplace communication at the intermediate level. Topics include audience analysis, research proposal and report writing, document and visual design, editing and presentation design.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WBIT 3110 Systems Analysis and Design**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course introduces the fundamental principles of the design and analysis of IT applications. In this course, students will learn to apply the tools and techniques commonly used by systems analysts to build and document IT applications. Classical and structured tools for describing data flow, data structure, process flow, file design, input and output design, and program specification will be studied, as will object-oriented techniques.

Prerequisite(s): A minimum grade of "C" in WBIT 1310 and WBIT 2000.

WBIT 3111 Information Technology Project Management**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Project management techniques and tools as applied to information systems projects including resource and personnel management and allocation, product testing, scheduling, and project management software. Students will study examples of both successful and unsuccessful projects and apply lessons learned to a class project.

Prerequisite(s): A minimum grade of "C" in WBIT 3110 and WBIT 3010 and STAT 2231.

WBIT 3200 Database Design, Development and Deployment**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This is an advanced course in database design, development and deployment. Course emphasizes database design drawing distinctions between data modeling and process modeling using various modeling techniques including Entity-Relationship Modeling, Object Modeling and Data Flow Diagramming; database development using the relational model, normalization, and SQL; database deployment including control mechanisms, forms, reports, menus and web interfaces. Additional topics include procedures, functions, packages and triggers. Students will design, create and process a database to demonstrate competency in the course content.

Prerequisite(s): A minimum grade of "C" in WBIT 2311.**WBIT 3400 Introduction to Multimedia****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course covers the basic design principles and tools for creating and editing digital media elements. Examples of these elements include graphics, animation, audio, video, virtual space and simulation.

WBIT 3410 Web Applications Development**3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The course provides a survey of techniques and tools for developing basic web pages for delivery of text and graphic information; focus on page markup languages, client-side scripting, page design principles, page layout techniques, markup language syntax, and page styling methods.

Prerequisite(s): A minimum grade of "C" in WBIT 1100.**WBIT 3500 Architecture and Operating Systems****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course introduces students to the architectures of computer systems and the operating systems that run on them. It explores and gives experience with some common computer designs and operating systems. Topics include basic computer architecture, instruction set architecture, memory, memory management, processes, and file systems.

Prerequisite(s): Prerequisite(s): A minimum grade of "C" in WBIT 1310.**WBIT 3510 Data Communications and Networking****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course covers computer network and communications concepts, principles, components, and practices; coverage of common networking standards, topologies, architectures, and protocols; design and operational issues surrounding network planning, configuration, monitoring, troubleshooting, and management.

Prerequisite(s): A minimum grade of "C" in WBIT 3500.**WBIT 3600 Introduction to E-Commerce****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The emphasis of this course is on basic principles and practices of E-business and E-commerce. Topics include infrastructures and applications of Ecommerce, E-Tailing, E-Marketing, advertisement, B2B, B2C, C2C, E-Government, M-Commerce, E-Learning, electronic payment systems, security, and legal issues. Students also learn to build simple dynamic Ecommerce sites using server-side scripting.

Prerequisite(s): A minimum grade of "C" in WBIT 3110 and WBIT 3410.**WBIT 4020 Professional Practices and Ethics****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course covers historical, social, economic, and legal considerations of information technology. It includes studies of professional codes of ethical conduct, philosophy of ethics, risk analysis, liability, responsibility, security, privacy, intellectual property, the internet, and various laws that affect an information technology infrastructure.

Prerequisite(s): Senior standing.**WBIT 4030 Senior Project****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

A capstone course for WebBSIT majors. Students will be expected to complete a final team or individual project. The project may be an approved industry internship or a project developed and designed by faculty of the WebBSIT. Students will apply skills and knowledge from previous WebBSIT courses in project management, system design and development, digital media development, eCommerce, database design, and system integration.

Prerequisite(s): Senior standing.**WBIT 4112 Systems Acquisition, Integration and Implementation****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Most IT applications used by organizations are configured from components that have been purchased from third-party vendors. This includes both hardware components and, increasingly, software components. In this course, students will study the component acquisition process, and methods and techniques for integrating these components into an existing IT infrastructure.

Prerequisite(s): A minimum grade of "C" in WBIT 3110 and WBIT 3200 and WBIT 4520.**WBIT 4120 Human-Computer Interaction****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The emphasis of this course is on fundamentals of human-machine interfaces, both cognitive and physical. Learning styles and effects of short-term memory on cognition and reaction will affect hardware and software development. Students will design a prototype interface.

Prerequisite(s): A minimum grade of "C" in WBIT 2311 and WBIT 3400.**WBIT 4520 Information Security****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course is an introduction to information assurance and security in computing. Topics include computer, network (distributed) system and cyber security, digital assets protection, data backup and disaster recovery, encryption, cryptography, computer virus, firewalls, terrorism and cyber crimes, legal, ethical and professional issues, risk management, information security design, implementation and maintenance.

Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in WBIT 3510.**WBIT 4601 Customer Relationship Management****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

The application of IT applications has allowed many organizations to collect large amounts of data on their clients and to use such data to improve the relationships with their customers. In this course, students will study customer relationship management systems, including the reasons for their emergence, the functionalities that they provide and the issues one would have to face to successfully introduce a Customer Relationship Management System into an organization.

Prerequisite(s): A minimum grade of "C" in WBIT 3200 and WBIT 3600.**WBIT 4602 IT Research Seminar****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Students will participate in research and discussion on a current or emerging topic in the discipline of Information Technology. A term paper on the topic (or related subtopic) is required. A designated faculty member from the Consortium will select the topic in advance based on his/her expertise and lead the seminar.

Prerequisite(s): A minimum grade of "C" in WBIT 3111 and WBIT 3200 and WBIT 3600 and WBIT 4120.**WBIT 4610 IT Policy and Law****3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course will focus on the legal implications of conducting business in the information technology age. Topics will include current understanding of Internet contracts, copyright, trademark and patent law. Further, this course will examine cutting-edge cases relating to security, e-commerce, and emerging ethical issues and trends.

Prerequisite(s): A minimum grade of "C" in WBIT 3600.

WGST Women and Gender Studies

WGST 2530 Introduction to Women and Gender Studies **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A multidisciplinary course designed to introduce students to the field of women and gender studies. Students will examine traditional and alternative perspectives on women's and men's experiences.

Cross Listing(s): WGST 2530S.

WGST 2530S Introduction to Women & Gender **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A multidisciplinary course designed to introduce students to the field of women and gender studies. Students will examine traditional and alternative perspectives on women's and men's experiences.

Cross Listing(s): WGST 2530.

WGST 3090 Selected Topics in Women and Gender Studies **0-15 Credit Hours. 0-15 Lecture Hours. 0 Lab Hours.**

Various Selected Topics.

WGST 3137 Topics in U.S. Women's History **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the experiences of women in the United States from colonial times to the present within the overall framework of American history. Explores the impact of major historical events on women; the contributions of women to the social, political, cultural and economic development of the US; and the changing roles of women within the family and the workplace. Topic varies. May be repeated for credit.

Cross Listing(s): HIST 3137.

WGST 3230 Intro to Women and Gender **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A multidisciplinary course designed to introduce students to the field of women and gender studies. Students will examine traditional and alternative perspectives on women and men's experiences.

WGST 3330 Roman Women **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Study of the role of women in the ancient Roman world. Emphasis on their influence within the political, economic, social, religious, and intellectual life of Rome. Examination of the Roman world through the eyes of ancient Roman women from different historical periods and social status.

WGST 3333 Communication and Gender **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the literature of gender and communication. Considers how men's and women's self-perceptions and resulting communication patterns evolve as a function of cultural influences.

Cross Listing(s): COMS 3333.

WGST 4090 Independent Study in Women's and Gender Studies **1-4 Credit Hours. 1-4 Lecture Hours. 0 Lab Hours.**

Independent Study in Women's and Gender Studies. The opportunity to design and conduct independent research and/or projects under the direction of a WGST faculty member in a specialized area of Women's and Gender Studies.

Prerequisite(s): WGST 2530.

WGST 4130 Feminist Philosophy **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the main topics in Feminist Philosophy to include the adversary method and the 'maleness' of philosophy; dualities of mind and body, male and female, self and other; women's ways of knowing; caring and maternal thinking; and ecofeminism. Feminist philosophy addresses these ideals and assumptions in the western philosophic traditions that have oppressed women and other subordinate groups.

Cross Listing(s): PHIL 4130.

WGST 4331 Gender, Media, and Representation **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the implicit gender messages that are communicated through mass media. Focuses on the representation of gender in the media and how media both reflects and creates cultural values and ideals pertaining to gender.

Prerequisite(s): COMM 2332.

Cross Listing(s): COMM 4331.

WGST 4335 Woman Question" in Europe **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An Intellectual History course focusing on the debate over women's nature, women's roles, and the notion of "woman". Although the "woman question" has a history spanning the entire modern period, this course will examine the period 1848-1950 when many of the classic texts appeared.

Cross Listing(s): HIST 4335, SOCI 4332.

WGST 4338 Sport, Culture, and Society **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines sport as a social institution, focusing on cultural values related to sport, stratification within and among sports, and issues of power and inequality pertaining to sport.

Prerequisite(s): SOCI 1101.

Cross Listing(s): SOCI 4338.

WGST 4530 Revelation and Revolution **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores issues of gender, spirituality, and power within the context of African history.

Cross Listing(s): AAST 4530 and HIST 4530.

WGST 5131 Sex, Violence, and Culture **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Uses feminist theories of gender, sexuality, and patriarchal culture to explore the relationship between public and private violence. Placing private violence in a global perspective, this course critiques the gender stakes of economies of domination and exploitation, the war system, and ideologies of family and nation.

Prerequisite(s): WGST 2530.

Cross Listing(s): WGST 5131G.

WGST 5633 Writing the Body **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Writing the Body explores the ways in which written discourse is an intellectual, social, creative, and educational practice that is always also material and corporeal. As an introduction to discipline-specific foundations in writing theory and methodologies, this course engages students in both the analysis and production of written texts and enables them to explore the ways in which identity narratives are embodied and performative. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): WGST 5633G, WRIT 5633, WRIT 5633G.

WMBA Web MBA

WMBA 1000Z WMBA Course Receiving Section **0-99 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

WRIT Writing

WRIT 0093 Eng. as a Second Lang. I **6 Credit Hours. 5 Lecture Hours. 2 Lab Hours.** VERIFIED 3/13/98.

WRIT 0095 Eng. as a Second Lang. II **3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.** VERIFIED 3/13/98.

WRIT 1101 English Composition for Non-native Speakers**3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.**

For students whose native language is not English. Concentrates on developing the student's skills in thinking, reading and writing. Emphasis is placed on the reading and understanding of prose selections and on the writing of clear, logical, well-constructed essays that are relatively free from serious grammatical faults. Includes a research paper. Credit for this course will be accepted in lieu of credit for ENGL 1101. Upon completion of this course, the student will enroll in ENGL 1102.

Cross Listing(s): ENGL 1101 and ENGL 1101H.**WRIT 2090 Selected Topics in Writing and Linguistics****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Introduces students to one or more topics preliminary to study of more specialized areas of Writing and Linguistics.

Cross Listing(s): LING 2090, WRIT 2090S.**WRIT 2090S Selected Topics in Writing and Linguistics****1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Introduces students to one or more topics preliminary to study of more specialized areas of Writing and Linguistics.

Cross Listing(s): LING 2090, WRIT 2090.**WRIT 2130 Technical Communication****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Teaches students to improve written, oral and visual communication by requiring assignments relevant to their proposed professions. The focus is on the type of communication required by the scientific and engineering discourse communities.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**WRIT 2131 Everyday Creative Writing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Investigates the uses of creative writing in "everyday" forums such as music, advertisements, radio, television, and other forms of popular culture. Students will learn the elements common to all types of creative writing -- word play, figurative expression, sound effects, concrete language, attention to detail -- and apply these elements in their own creative writing exercises and projects.

WRIT 2133 Forms in Writing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the writing of a specific form or genre. The form being studied and practiced varies, but may include creative, academic, professional and/or technical forms.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.**WRIT 2135 Reading as a Writer****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This introductory course is both for aspiring writers and for readers who would like to increase their sensitivity to the elements of the writer's craft. It involves reading carefully to see what an author does on the page and between the lines. Focusing on engagement with the craft of writing, students will practice close reading on the sentence level to discover the intricacies involved in a writer's choices. Students will also read broadly in the genres and gain an appreciation for the features of various subgenres.

WRIT 2230 Careers in Writing and Linguistics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on the broad employment opportunities available in the field of writing and linguistics, provides students with an understanding of their realistic options, and presents criteria for planning a focused job search in the field. This course situates an individual career search in a larger framework that addresses the economic, cultural, and social changes that have resulted in major shifts in the field.

WRIT 2430 Essential Grammar for Successful Writing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Offers review and reinforcement of grammar, punctuation, and rules of writing used in both academics and the professions. Challenges students to learn grammar and punctuation well enough that they feel confident with their language skills. Emphasizes paragraph and essay-level writing through drafting, revision, and editing.

Cross Listing(s): LING 2430.**WRIT 2533 Writers on Writing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the lived experience of working writers, their diverse composing practices and motivations for writing, and studies how writers write. Through selected memoirs and other readings, students will investigate how writers use their writing to shape meaning and identity and how scholars study writing processes.

WRIT 2535 Writing and Place**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the relationship between language and location by analyzing print and visual rhetoric's of social and natural environments. Students explore such environments by focusing on travel writing, Eco composition, or globalization and writing.

Cross Listing(s): WRIT 2535S.**WRIT 2535S Writing and Place****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course examines the relationship between language and location by analyzing print and visual rhetoric;s of social and natural environments. Students explore such environments by focusing on travel writing, Eco composition, or globalization and writing.

Cross Listing(s): WRIT 2535.**WRIT 3030 Selected Topics in Writing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Offers varied courses in specialized areas of the field of writing.

Cross Listing(s): WRIT 3030S.**WRIT 3030S Selected Topics in Writing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Offers varied courses in specialized areas of the field of writing.

Cross Listing(s): WRIT 3030.**WRIT 3130 Creative Writing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The writing of poetry and fiction through close analysis of poetic and narrative forms with the purpose of encouraging students to develop their creative writing abilities and their awareness of creative writing techniques and strategies.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.**Cross Listing(s):** WRIT 3130S.**WRIT 3130S Creative Writing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The writing of poetry and fiction through close analysis of poetic and narrative forms with the purpose of encouraging students to develop their creative writing abilities and their awareness of creative writing techniques and strategies.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.**Cross Listing(s):** WRIT 3130.**WRIT 3131 Teaching Writing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introduction to the theory and practice of teaching writing, including making the writing assignment, pre-writing, revising writing, and evaluating student writing.

Prerequisite(s): ENGL 2111 or ENGL 2112.

WRIT 3133 Tutoring Writing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Focuses on the theory and practice of tutoring writing in writing centers and other educational settings. Course topics include tutoring ethics, effective tutoring strategies, analyzing student texts, addressing disciplinary discourses and conventions, and recognizing diverse student needs.

Prerequisite(s): A minimum grade of "B" in ENGL 1101 or WRIT 1101.**WRIT 3140 Writing for Young Readers****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A workshop course that focuses on writing for children and young adults. Students read and discuss theoretical as well as creative texts, write in multiple forms, such as poetry, fiction, creative nonfiction, and multimedia, and produce a portfolio of work.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.**WRIT 3220 Foundations in Professional and Technical Writing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Surveys the field of professional and technical writing, its various areas of interest, and potential career paths. The course explores the histories, theories, and research methodologies of professional and technical writing, which may include new media studies; cultural studies; rhetorics of science, technology, and the workplace; and usability.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**WRIT 3230 Writing in the Workplace****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Prepares students from all disciplines to be effective communicators in their chosen professions. Students learn to write and prepare a variety of documents, including memos, letters, reports, proposals, critical studies, and recommendations.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**WRIT 3232 Writing Visual Information****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course focuses on strategies of arrangement and placement, specifically at intersections of alphabetic and visual information found in professional, technical, and business writing situations. Students will create multimodal documents and texts, and apply relevant theories to enhance engagement and comprehension. These texts can include, but are not limited to, technical reports, charts, tables, maps, slide presentations, and forms, in both print and digital media.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**WRIT 3233 Professional Editing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course encompasses the ideas of editing as a professional writing skill, with a focus on the job of an editor. Emphasizes proofreading skills and the manipulation of documents from inception through presentation as finished products. Layout, document design, and contemporary production processes are also emphasized.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**WRIT 3234 Research Methods for Writers****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to quantitative and qualitative research designs for writers. Intensive study of planning and research designs including primary (surveys, interviews, experiments, questionnaires, field research, etc.) and secondary research tools (i.e., Internet, print sources and bibliographies).

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**WRIT 3430 Linguistics and Grammar for Teachers****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Through lecture, workshops, and projects about writing, students will develop a metalanguage for teaching grammar and usage in order to effectively teach basic grammatical, mechanical, and usage concepts.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**WRIT 3433 Comic Book Writing in American Culture****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Investigates multiple dimensions of and models for comic book writing as it traces the medium's history, development of new genres, and narrative conventions since its origins in the 1930s. Teaches the comic book's use of iconography, cultural tropes, and cognitive closure in the construction of sequential narratives.

Prerequisite(s): A minimum grade of "C" in ENGL 1101, WRIT 1101, ENGL 1102.**Cross Listing(s):** COMM 3433.**WRIT 3435 Writing and Healing****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the physical, intellectual, and spiritual benefits of writing personal/cultural stories in classrooms, community groups, websites, and public memorials. By analyzing current theories and their own and each other's narratives, students learn the connections between writing and health, silence and sickness.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**WRIT 3520 Revision, Grammar and Culture****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Offers strategies for revision; surveys the social forces underlying standardization and the processes of language change; addresses and reinforces current standards of grammar and usage in the United States. Emphasizes sentence and paragraphs as well as complete pieces of writing.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101 and ENGL 1102.**Cross Listing(s):** WRIT 1120.**WRIT 3531 Introduction to Writing Studies****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduces students to the field of writing studies and contemporary issues in the areas of literacy, composition, and rhetoric, with special attention to the ways in which culture shapes and is shaped by writing.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**WRIT 4130 Creative Non-fiction****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides a workshop environment for writing a wide variety of expository material generally not covered in freshman English. Students are encouraged to try forms, topics, and voices which broaden their writing experience.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** WRIT 4130.**WRIT 4130S Creative Non-fiction****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Provides a workshop environment for writing a wide variety of expository material generally not covered in freshman English. Students are encouraged to try forms, topics, and voices which broaden their writing experience.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.**Cross Listing(s):** WRIT 4130.**WRIT 4231 Screenwriting****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Screenwriting is a lecture and workshop-based course that focuses on the basic components necessary to write successful films, television shows, and teleplays. By learning the tenets of the form, and mastering the ins-and-outs of the structure of screenplays, aspiring screenwriters will gain the tools to make their visual narratives come alive. Course work includes an introduction to formatting, plotting, and exposure to successful scripts and films that employ those facets. Includes a workshop component in which students' scripts will be reviewed and given feedback by instructor and peers.

Prerequisite(s): A minimum grade of "C" in ENGL 1102 and WRIT 3130.

WRIT 4232 Advanced Screenwriting**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Within a workshop and critique setting, students will work through the stages of feature screenplay writing, building on the knowledge developed in WRIT 4231. The course will focus on more advanced techniques, structure, and development of character and plot in long format through feature writing assignments.

Prerequisite(s): A minimum grade of "C" in WRIT 3130 or WRIT 4231.

WRIT 4380 Writing Grants and Proposals**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides direction on how to find, research and write proposals to secure grants. Students will write a proposal as a final project.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4430 Poetry Writing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A creative writing workshop in which students review and practice the fundamentals of poetry writing, such as use of imagery, figurative language, and sound effects; and also learn and practice more complex aspects of poetry writing, such as writing in specific forms and genres. Students read and discuss poetry by established poets, evaluate the work of their peers, and produce a portfolio of instructor-assigned and self-generated poems.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4530 Fiction Writing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A creative writing workshop in which students review and practice the fundamentals of fiction writing, such as the importance of beginnings, scene building, narrative drive, stance, character development, endings; and also learn and practice more complex aspects of literary fiction strategies in specific genres (the traditional short story, magical realism, flash fiction, novellas). Students read and discuss fiction by established writers, evaluate their work and the work of their peers, and produce a portfolio.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): WRIT 4530H.

WRIT 4530H Fiction Writing (Honors)**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A creative writing workshop in which students review and practice the fundamentals of fiction writing, such as the importance of beginnings, scene building, narrative drive, stance, character development, endings; and also learn and practice more complex aspects of literary fiction strategies in specific genres (the traditional short story, magical realism, flash fiction, novellas). Students read and discuss fiction by established writers, evaluate their work and the work of their peers, and produce a portfolio.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): WRIT 4530.

WRIT 4535 Intellectual Property**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course provides an introduction and general overview of fundamental aspects of intellectual property. Students will learn about such topics as the history of copyright laws, fair use, and the public domain. Through readings and class discussion of such issues as music downloading, remix, plagiarism detection services, copy-left, open-source, and creative commons licensing, students will acquire a greater understanding so that they can make informed choices for themselves, especially related to the needs of technical and professional writers. Recommended for all majors.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4550 Literacy and Identity**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Examines the ways literacy shapes identity and is shared and used by individuals, families, and cultures. Special attention to relationship between cultural and literate practices, and to political, social, and personal implications of literacy.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4560 Writing Argument**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores the centrality of rhetoric to writing effective arguments on a range of controversial topics with emphasis on local, contingent contexts and on persuasive writing strategies.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4570 Writing, Rhetoric, and Culture**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Explores the interaction of writing, rhetoric, and culture and the relationship between public and private discourses; emphasizes rhetorical traditions in the field of writing studies and rhetorical practices in public discourse.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4790 Internship in Writing and Linguistics**1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

This course is an opportunity for students to gain professional writing experience. The semester prior to the internship, the student will find an internship, write a proposal that describes the internship and submit the proposal for approval to the department chair, who will assign a supervising faculty member. The student will provide periodic progress reports and either a portfolio or a final report.

Prerequisite(s): A minimum grade of "C" in WRIT 3130, WRIT 3220, WRIT 3531, LING 3630.

WRIT 5030 Selected Topics in Writing**1-6 Credit Hours. 1-6 Lecture Hours. 0 Lab Hours.**

A seminar on particular topics in rhetoric and composition, the teaching of writing, English as a Second Language, linguistics, and creative writing not covered by other seminars.

Cross Listing(s): WRIT 5030G, WRIT 5030S.

WRIT 5030S Selected Topics in Writing**1-6 Credit Hours. 1-6 Lecture Hours. 0 Lab Hours.**

A seminar on particular topics in rhetoric and composition, the teaching of writing, English as a Second Language, linguistics, and creative writing not covered by other seminars.

Cross Listing(s): WRIT 5030, WRIT 5030G.

WRIT 5130 Modern English Grammar**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the system of rules of word formation and sentence construction that we unconsciously employ in our daily use of the English language. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): WRIT 5130G, LING 5130, LING 5130G.

WRIT 5330 History of English Language**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A study of the English language from linguistic, social, and historical perspectives. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): WRIT 5330G, ANTH 5330, ANTH 5330G, LING 5330, LING 5330G.

WRIT 5430 Advanced Poetry Writing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A creative writing workshop which focuses primarily on the students' own poems. The course deepens and expands the poetry writing skills and knowledge developed in lower-level creative writing workshops. Students will read and discuss poetry by established writers, evaluate their work and the work of their peers and produce a portfolio.

Prerequisite(s): A minimum grade of "C" in WRIT 2131, WRIT 2133, WRIT 3130.

Cross Listing(s): WRIT 5430S, WRIT 5430G.

WRIT 5430S Advanced Poetry Writing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A creative writing workshop which focuses primarily on the students' own poems. The course deepens and expands the poetry writing skills and knowledge developed in lower-level creative writing workshops. Students will read and discuss poetry by established writers, evaluate their work and the work of their peers and produce a portfolio.

Prerequisite(s): A minimum grade of "C" in WRIT 2131, WRIT 2133, WRIT 3130.

Cross Listing(s): ENGL 4421, WRIT 5430, WRIT 5430G.

WRIT 5530 Sociolinguistics**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

The principles and methods used to study language as a sociocultural phenomenon. These are examined both from the linguistic viewpoint and the social scientific viewpoint. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): ANTH 1102 or SOCI 1101.

Cross Listing(s): WRIT 5530G, ANTH 5530, ANTH 5530G, LING 5530, LING 5530G.

WRIT 5531 Advanced Creative NonFiction**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A creative writing workshop which focuses primarily on the students' own creative nonfiction. The course deepens and expands the writing skills and knowledge learned in undergraduate expository writing courses and allows students to specialize in a specific genre, such as the memoir, the personal essay, travel writing, etc. Students read and discuss creative nonfiction by established writers, evaluate their work and the work of their peers, and produce a portfolio.

Prerequisite(s): A minimum grade of "C" in WRIT 2131, WRIT 2133, WRIT 3130.

Cross Listing(s): WRIT 5531G.

WRIT 5540 Advanced Fiction Writing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A creative writing workshop which focuses primarily on the students' own fiction. The course deepens and expands the fiction writing skills and knowledge developed in lower-level creative writing workshops. Students will read and discuss fiction by established writers, evaluate their work and the work of their peers, and produce a portfolio.

Prerequisite(s): A minimum grade of "C" in WRIT 2131, WRIT 2133, WRIT 3130.

Cross Listing(s): WRIT 5540G.

WRIT 5550 Technologies of Writing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Analyzes the meanings and implications of the new technologies on reading and writing as well as explores the relationship between a culture's technologies of writing and cultural narratives of identity, subjectivity, and agency. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): WRIT 5550G.

WRIT 5632 Writing Flash Prose**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A creative writing workshop in which students study and write short prose forms such as the short-short story, brief creative nonfiction, and prose poetry. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in WRIT 2131, WRIT 2133, WRIT 3130.

Cross Listing(s): WRIT 5632G.

WRIT 5633 Writing the Body**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Writing the Body explores the ways in which written discourse is an intellectual, social, creative, and educational practice that is always also material and corporeal. As an introduction to discipline-specific foundations in writing theory and methodologies, this course engages students in both the analysis and production of written texts and enables them to explore the ways in which identity narratives are embodied and performative. Graduate students will be given additional assignments not required of undergraduate students.

Prerequisite(s): A minimum grade of "C" in ENGL 1101, WRIT 1101, ENGL 1102.

Cross Listing(s): WRIT 5633G, WGST 5633, WGST 5633G.

WRIT 5650 Writing for Publication**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

This course prepares students for writing for publication in a digital age. Students are encouraged to pursue various areas of research and interests as they learn how to locate suitable venues for publication, write query letters to publishers, format manuscripts for submission, and deal with revision and editing in today's technological environment. Graduate students will be expected to do an extra project.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): WRIT 5650G.

WRIT 5930 Technical Writing**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A required course for all Writing and Linguistics majors in the professional and technical communication area, this course offers study in technical communication topics relevant to the profession, such as usability, freelancing, document analysis, ethics, medical writing, or rhetoric of science and technology. Graduate students will complete an additional assignment determined by the instructor.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): WRIT 5930G.

YORU Yoruba

YORU 1001 Elementary Yoruba I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to listening, speaking, reading, and writing in Yoruba and to the culture of Yoruba speaking regions.

YORU 1002 Elementary Yoruba II**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued listening, speaking, reading, and writing in Yoruba with further study of the culture of Yoruba speaking regions.

YORU 2001 Intermediate Yoruba I**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Building upon communication skills (understanding, speaking, reading, and writing Yoruba) and cultural understanding, developed at the elementary level.

Prerequisite(s): YORU 1002.

YORU 2002 Intermediate Yoruba II**3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.**

Continued development of communication skills (understanding speaking, reading, and writing Yoruba) and cultural understanding, developed at elementary and intermediate I levels.

Prerequisite(s): YORU 2001.

YORU 3030 Selected Topics in Yoruba**1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.**

Study of a topic in Yoruba literature, culture, society, thought or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

Prerequisite(s): YORU 2002.**Cross Listing(s):** AAST 3030.**YORU 3130 Yoruba Conversation****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Continued development of all five language competencies (listening, speaking, reading, writing, and culture) with special emphasis on Yoruba conversation.

Prerequisite(s): YORU 2001.**Cross Listing(s):** AAST 3130.**YORU 3330 Yoruba Culture and Civilization****3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to Yoruba culture in Nigeria and other west African societies as well as the Diaspora.

Cross Listing(s): AAST 3330.**YORU 4890 Directed Study in Yoruba****1-15 Credit Hours. 0 Lecture Hours. 0 Lab Hours.**

Concentrated study of a topic in Yoruba literature, culture, society, thought or language. May be repeated for credit provided a new topic is studied.

Prerequisite(s): YORU 2002.**Cross Listing(s):** AAST 4890.

Campus Directory and Map

Campus Directory

For the most current campus directory information, go to <http://directory.georgiasouthern.edu/> or contact The Welcome Center at (912) GSU-INFO (912-478-4636).

Campus Map and Legend

For the latest, up-to-date campus map and legend information, please visit our web site at <http://www.georgiasouthern.edu/map/>.

Faculty

This list includes full-time, regular and emeriti faculty for Fall 2015. The date enclosed in parentheses indicates the year the faculty member joined the staff of Georgia Southern University. The asterisk denotes Graduate College faculty (members and affiliates).

A

***CHERYL L. AASHEIM, Professor of Information Technology**

B.S., University of Florida, 1991
M.S.T., University of Florida, 1993
Ph.D., University of Florida, 2002 (2002)

LISA L. ABBOTT, Associate Professor of Theatre

B.S., Colorado State University, 1988
M.F.A., University of Portland, 1999 (2008)

***MARTHA L. ABELL, Dean, College of Science and Mathematics, and Professor of Mathematical Sciences**

B.S., Mercer University, 1984
M.S., Georgia Institute of Technology, 1987
Ph.D., Georgia Institute of Technology, 1989 (1989)

***CHRISTINA D. ABREU, Assistant Professor of History**

B.A., Ursinus College, 2004
M.A., Purdue University, 2006
Ph.D., University of Michigan, 2012 (2012)

ANANTA RAJ ACHARYA, Limited-Term Assistant Professor of Physics

B.S., Tribhuvan University, 1989
M.S., Tribhuvan University, 1992
M.S., Georgia State University, 2012
Ph.D., Georgia State University, 2013 (2013)

MARIA M. ADAMOS, Associate Professor of Philosophy

B.A., Middlebury College, 1992
M.A., University of California-Santa Barbara, 1994
Ph.D., University of California-Santa Barbara, 2000 (2000)

DAVID W. ADDINGTON, Professor Emeritus and Chair Emeritus, Department of Communication Arts

B.A., Palos Verdes College, 1954
M.A., University of California-Los Angeles, 1960
Ph.D., State University of Iowa, 1963 (1987)

***OLUFUNKE ADEFOPE, Assistant Professor of Mathematics Education**

B.A., Stony Brook University, State University of New York, 1998
M.A., Columbia University, 2003
Ph.D., Indiana University, 2012 (2012)

***SAMUEL O. ADEYEYE, Assistant Professor of Nutrition and Food Science**

B.S., University of Ibadan, 1981
M.S., University of Ibadan, 1984
Ph.D., University of Ibadan, 1988
M.P.H., New York University, 2000 (2014)

***ATIN ADHIKARI, Assistant Professor of Environmental Health Sciences**

B.S., Visva Bharati University, 1991
M.S., Visva Bharati University, 1993
Ph.D., Jadavpur University, 2001 (2014)

***EVANS AFRIYIE-GYAWU, Associate Professor of Environmental Health Sciences**

B.S., Texas A&M University, 1998
M.P.H., Texas A&M University Health Sciences Center, 2000
Ph.D., Texas A&M University, 2004 (2008)

NEELAM AGGARWAL, Limited-Term Instructor of Mathematical Sciences

B.A., St. Stephen's College, 1982
M.A., University of Delhi, 1984
M.Phil., University of Delhi, 1986 (2012)

ELEANOR F. AGNEW, Associate Professor Emerita of Writing and Linguistics

B.A., University of Vermont, 1970
M.A., University of Maine, 1981
Ph.D., Louisiana State University and A&M College, 1991 (1989)

***LAURA AGNICH, Assistant Professor of Criminal Justice and Criminology**

B.S., Virginia Tech, 2005
M.S., Virginia Tech, 2007
Ph.D., Virginia Tech, 2011 (2012)

***MOHAMMAD ABDUL AHAD, Assistant Professor of Electrical Engineering**

B.S.E.E., Bangladesh University of Engineering and Technology, 1998
M.E., University of Tennessee, 2007
Ph.D., University of Tennessee, 2007 (2009)

***KARELLE SIMONE AIKEN, Associate Professor of Chemistry**

B.A., Williams College, 2000
Ph.D., University of New Hampshire, 2005 (2007)

***METE AKCAOGLU, Assistant Professor of Instructional Technology**

B.A., Bogazici University, 2003
M.A., Middle East Technical University, 2008
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