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[Undergraduate Catalog](#)

The University of Memphis

2013-2014

Undergraduate Catalog

R. BRAD MARTIN, M.B.A., Interim President

THOMAS G. CARPENTER, Ph.D., President Emeritus

SHIRLEY C. RAINES, Ed.D., President Emeritus

The Hundred and One Session Will Open August 26, 2013

For students whose initial enrollment occurs Fall 2013-Summer 2014, this Catalog is valid through Summer 2020.

The University reserves the right to cancel or alter any part of this Catalog without notice (subject to the following):

The course offerings and requirements of the University of Memphis are continually under examination and revision. This Catalog presents the offerings and requirements in effect at the time of publication, but is no guarantee that they will not be changed or revoked. The specific courses or activities constituting the degree requirements for any programs are subject to state contractual terms and does not constitute a contract between the student and the University of Memphis.

The University of Memphis reserves the right to make changes as required in course offerings, curricula, academic policies and other rules and regulations affecting students to be effective whenever determined by the institution. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions. Any fees, charges or costs, and all academic regulations set forth in this Catalog are subject to change at any time, and all courses, programs, and activities described in this Catalog are subject to cancellation or termination by the University of Memphis or the Tennessee Board of Regents at any time.

The University of Memphis provides the opportunity for students to increase their knowledge by providing programs of instruction in the various disciplines and programs through faculty who, in the opinion of the institution, are trained and qualified for teaching at the college level. However, the acquisition of knowledge by any student is contingent upon the student's desire and ability to learn and the application of appropriate study techniques to any course or program. Thus, the University of Memphis must necessarily limit representation of student preparedness in any field of study to the competency demonstrated at that specific point in time at which appropriate academic measurements were taken to certify course or program completion. (TBR 2:04:00:01)

The University of Memphis offers equal educational opportunity to all persons without regard to race, religion, sex, creed, color, national origin or disability. The University does not discriminate on these bases in recruitment and admission of students or in the operation of its programs and activities, as specified by federal laws and regulations. The designated coordinators for University compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 are the Vice President for Student Affairs and the Equal Opportunity Compliance Officer. Information in this document will be provided in alternate format upon request.

The University of Memphis is an Equal Opportunity/Affirmative Action University. It is committed to education of a non-racially identifiable student body.

The University of Memphis is one of 45 institutions in the Tennessee Board of Regents system, the seventh largest system of higher education in the nation. The TBR is the governing board for this system, which comprises six universities, 13 community colleges and 26 area technology centers. The TBR system enrolls more than 80 percent of all Tennessee students attending public institutions of higher education.

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The University of Memphis is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award bachelor's, first professional, master's, educational specialist's, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of the University of Memphis.

The Catalog web pages are maintained by the Director of Curriculum Planning, Dr. Catherine P. Serex. The last update occurred July 10, 2013.

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Department	Phone Number
Academic Counseling Center	(901) 678-2062
Academic Transfer and Articulation	(901) 678-2783
Admissions	(901) 678-2111
Bursar's Office	(901) 678-5579
Center for Athletics Academic Services	(901) 678-2714
Counseling, Tutoring and Testing	(901) 678-2067
Dean of Students	(901) 678-2187
Financial Aid	(901) 678-4825
General Education Program	(901) 678-2783
Honors Program	(901) 678-2690
President's Office	(901) 678-2234
Provost's Office	(901) 678-2119
Registrar	(901) 678-2810

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University Calendar

The calendar is subject to change at any time prior to or during an academic term due to emergencies or causes beyond the reasonable control of the institution, including severe weather, loss of utility services, or orders by federal or state agencies. (TBR 2:04:00:01).

[The University of Memphis Academic Calendar](#)

Study Week Definition: The four day period preceding final examinations. No student social or athletic functions shall be scheduled during Study Week.

Study Day Definition: The day prior to final examinations during most regular semesters. No academic activities shall be scheduled on Study Day. No study or review sessions which the student may feel obligated to attend may be scheduled.

Final Examination Period : No examination shall be given at a time other than the scheduled time except with written permission from the department chair and the college dean. No social or athletic functions shall be scheduled during the final Examination Period.

Intercollegiate athletics are excepted from the above policies.

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Degree Program and Planning

Each student is responsible for fulfilling all of the requirements for the degree program being pursued and for following the procedures and regulations as stated in the Catalog in effect when entering college. The Catalog is valid for seven years. Students should keep a copy of the Catalog they enter under until they graduate. Assistance from an advisor is helpful in planning the program of studies and in selecting the specific courses to be taken for each semester.

The Graduation from the University section of the Catalog outlines the minimum university level degree requirements. Some colleges specify the exact manner in which the university level requirements must be met. In addition to these, the student must fulfill the college level requirements for the degree and the major requirements. If the admission or retention standards for a particular college or department differ from the University requirements, they will be listed in the college degree program description. If they do not, the University requirements apply. The guidelines below will be helpful in planning which program to follow.

1. Read the Catalog to investigate what options are available.
2. Consult with an academic advisor in the Academic Counseling Center and the colleges that offer majors which are of interest to you;
3. Talk with the departmental faculty in these areas of interest.
4. Take advantage of the counseling offerings of the Counseling, Tutoring and Testing (Testing, Career Counseling, Personal and Psychological Counseling, and the Educational Support Program).
5. Become familiar with the Academic Regulations section of the Catalog; determine the grades that are needed to insure retention and graduation as well as honors classifications in the University and in individual programs.
6. If you are undecided about a major area, begin your program of studies with those courses required for all degrees.

After a major has been chosen:

1. consult with your advisor to determine what procedures are necessary to declare a major;
2. read the entire section of the Catalog that relates to the degree and major selected; note all degree requirements listed for the college such as the number of hours required within the college and outside the college and the number of upper division hours required; list all the University General Education Program Requirements required for the college or obtain a degree sheet from the college advisor; note the major requirements (when choices are allowed, be sure to consult with your major advisor);
3. plan your coursework semester by semester; try to complete all of your lower division courses (1000-2000) during your first two years; be sure to check for prerequisites before enrolling in any courses, especially upper division courses; take the courses in the proper sequence.

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Statement of Mission

The University of Memphis is a learner-centered metropolitan research university providing high quality educational experiences while pursuing new knowledge through research, artistic expression, and interdisciplinary and engaged scholarship.

Values

The University of Memphis, as an engaged learning community, celebrates:

- The pursuit of excellence in teaching and research as the highest measures of successful achievement.
- Interdisciplinary collaboration, artistic expression, and research as vehicles for leveraging our resources, solving problems, and multiplying our accomplishments.
- The transfer and dissemination of knowledge with community stakeholders for the intellectual, economic, and social advancement of our community.
- Innovation and creativity in everything we do.
- Respect for diversity and individual worth.
- Integrity and transparency in all our actions.
- Responsible stewardship and conservation of resources.
- Stewardship of wisdom, knowledge, and information created by our predecessors.
- Leadership and involvement in the economic, social, and professional growth of Memphis, the state of Tennessee, and the nation.

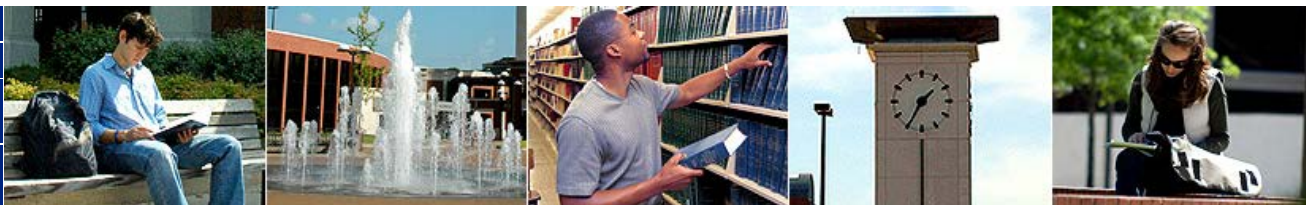
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Services to Students

The University of Memphis has multiple services that they provide for students, please visit the sites below learn more.

- [New Student Orientation, Advising and Registration](#)
- [Financial Aid](#)
- [Aid Programs](#)
- [Student Employment](#)
- [Scholarships](#)
- [Registration and Student Records](#)
- [Student Development](#)
- [Student Life](#)
- [Other Activities](#)
- [Honors and Awards](#)

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Expenses

University Fees And Charges

GENERAL: All University fees and charges are calculated and assessed consistent with policies and procedures of the Tennessee Board of Regents and the University of Memphis. Information in this catalog is intended to cover the situations that most students will encounter. However, the University may have additional policies and procedures by which fees and charges are implemented or that apply to unusual situations.

Registration (Enrollment) Fees

The information in this section concerning registration fees is applicable only to students enrolled in the undergraduate colleges and departments of the University. Similar information for students in The Graduate School and The School of Law is available in the catalogs of those schools. The fees are found at the Bursar's web site: <http://bf.memphis.edu/finance/bursar/feepayment.php>

Other Fees

Other Registration (Enrollment) Fee Information

[Miscellaneous Fees](#)
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[Academic Regulations](#)

APPEALS

Students have the right to appeal decisions made by University officials in the implementation of University policy. If a student feels that individual circumstances warrant an appeal, the request for appeal must be filed in the University office responsible for the implementation of that policy or the office specified in the policy statement.

[Class Attendance](#)
[Classification of Students](#)
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[Academic Standards - Grades and Quality Points](#)
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Admissions

The University of Memphis offers equal educational opportunity to all persons without regard to race, religion, sex, creed, color, national origin, or disability. Inquiries about admission to any college of the University should be addressed to the Office of Admissions. This office receives and processes all applications, evaluates credentials, and admits qualified students. Undergraduate students may be admitted at the beginning of any regular or short term.

The University of Memphis encourages all those who feel they can benefit from the educational opportunities offered by the institution to submit an application for admission. Consideration is given to educational background, entrance examination scores, high school grades, any college attendance, and any other special talents and/or special circumstances which may affect the applicant's academic performance.

Certain instructional programs of the University are subject to special admission requirements and are subject to change according to the availability of institutional resources. Students wishing to enter one of these programs of study should check with the appropriate department or division offering the program in order to become familiar with these special requirements. Undergraduate programs with special admission requirements include, but are not limited to, professional degrees in art, music, or theatre (Bachelor of Fine Arts or Bachelor of Music), teacher education, educational services, nursing, and the University College.

Students are encouraged to apply as early as possible. Early admission contributes to better orientation, course planning, class scheduling and financial aid and scholarship consideration. High school students planning to apply as freshmen should submit applications as soon as possible after completion of their junior year. The application for fall is usually available in October of the year preceding the upcoming fall term. The application should be completed and submitted online at <http://apply.memphis.edu>. A [hard-copy \(paper\) application](#) is available for students unable to pay the application fee by credit card or electronic check.

Credentials will be maintained for a 12-month period. After this period, credentials will be destroyed and must be submitted again before an admission decision can be made.

The deadlines for submitting an application for admission are: July 1 for the fall semester, December 1 for the spring semester, and May 1 for the summer session. Although application deadlines are listed above, registration for new students occurs much earlier. For example, new fall students register in June. Applications received after these deadlines may be delayed in processing or processed at the non-degree level.

These regulations are subject to change without notice.

Admission as Degree-seeking Undergraduates

- [First-time Freshman Applicants](#)
- [Transfer Applicants](#)
- [International Students](#)
- [Combination Senior](#)
- [Readmission \(Returning Students\)](#)

Admission as Non-Degree Undergraduates

Applicants who wish to apply in one of the special categories listed below are encouraged to apply by the same deadlines as stated above. While applications may be accepted until the first day of registration for the term for which the student is applying, no guarantee of admission will be made after the deadline has passed. Special category applicants who have attended other colleges will not have their previous college work evaluated for transfer until they have been approved for admission as regular undergraduates. An applicant who has applied as a degree-seeking undergraduate and was denied admission must generally wait a fall or spring semester or

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six months before applying for admission at the non-degree level.

Those who are admitted as non-degree students are not required to have an advisor. However, if non-degree students desire an advisor, they are assigned to the Academic Counseling Center for advising. Non-degree undergraduate students may not take more than 18 semester hours of work in a single term nor may they earn more than 24 semester hours total. This limit may be extended if there has been enrollment at another institution since last attending the University of Memphis.

- [Applicants with College Degree](#)
- [Applicants with Previous College Attendance but No Degree](#)
- [Applicants with No Previous College Attendance](#)

Special Non-Degree Admission Categories

- [Concurrent Enrollment Opportunities](#)
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Graduation from the University

GENERAL REQUIREMENTS

STATEMENT OF TENNESSEE BOARD OF REGENTS GENERAL EDUCATION POLICIES

Effective Fall Semester 2004, each institution in the State University and Community College System of Tennessee (The Tennessee Board of Regents System) will share a common lower-division general education core curriculum of forty-one (41) semester hours for baccalaureate degrees and the Associate of Arts and the Associate of Science degrees. Lower-division means freshman and sophomore courses. The courses comprising the general education curriculum are contained within the following subject categories:

Baccalaureate Degrees and Associate of Arts and Associate of Science Degrees*

Communication 9 hours**

Humanities / Fine Arts 9 hours (At least one course must be in literature.)

Social / Behavioral Sciences 6 hours

History 6 hours***

Natural Sciences 8 hours

Mathematics 3 hours

Total 41 hours

*Foreign language courses are an additional requirement for the Associate of Arts (A.A.) and Bachelor of Arts (B.A.) degrees. The B.A. degree requires proficiency in a foreign language equivalent to completion of two years of college-level work. The A.A. degree requires proficiency in a foreign language equivalent to completion of one year of college-level work.

**Six hours of English Composition and three hours in English oral presentational communication are required.

****Students who have not completed one year of American History in high school must complete 6 credit hours of American History or 3 credit hours of American History plus 3 credit hours of Tennessee History in order to satisfy the History General Education requirement. Students who plan to transfer to University of Tennessee System universities or to out-of-state or private universities should check requirements and take the appropriate courses.

Although the courses designated by Tennessee Board of Regents (TBR) institutions to fulfill the requirements of the general education subject categories vary, transfer of the courses is assured through the following means:

- Upon completion of an A.A. or A.S. degree, the requirements of the lower-division general education core will be complete and accepted by a TBR university in the transfer process.
- If an A.A. or A.S. is not obtained, transfer of general education courses will be based upon fulfillment of complete subject categories. (Example: If all eight hours in the category of Natural Sciences are complete, then this "block" of the general education core is complete.) When a subject category is incomplete, course-by-course evaluation will be conducted. The provision of block fulfillment pertains also to students who transfer among TBR universities.
- Institutional/departmental requirements of the grade of "C" will be honored. Even if credit is granted for a course, any specific requirements for the grade of "C" by the receiving institution will be enforced.
- In certain majors, specific courses must be taken also in general education. It is important that students and advisors be aware of any major requirements that must be fulfilled under lower-division general education.

Courses designated to fulfill general education at the University of Memphis are published below. A complete listing of the courses fulfilling general education requirements for all system institutions is available on the TBR website

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[University General Education Program Requirements for Teacher Licensure](#)
[Catalog Applicability](#)
[Second Bachelor's Degree](#)
[Second Major](#)

(<http://www.tbr.edu/>) under Transfer and Articulation Information.

APPLY FOR GRADUATION

All students are required to apply to graduate during the semester preceding the semester of graduation. The deadlines for the application to graduate are included on the [Registrar's website](#). It is the responsibility of the student to insure that this deadline is met.

[University General Education Program](#)

[Residence Requirements](#)

[Requirements for Teacher Licensure](#)

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Colleges and Degree Programs

The following section contains the specific requirements for completing each degree, major, concentration and minor offered by the University. It is organized by college and department. Students are urged to consult with an advisor for assistance in planning their degree programs and selecting appropriate courses.

College of Arts and Sciences

African and African American Studies, Anthropology, Asian Studies, Biology, Chemistry, Computer Science, Criminology and Criminal Justice, Earth Sciences, Economics, Emergency Management, English, Environmental Studies, Foreign Languages and Literatures, History, International Studies, Judaic Studies, Legal Thought and Liberal Arts, Mathematical Sciences, Philosophy, Physics, Political Science, Pre-Health Studies, Psychology, Public and Nonprofit Administration, Religious Studies, Social Work, Sociology, Women's and Gender Studies, Aerospace Studies, Military Sciences, Naval Sciences

Fogelman College of Business and Economics

Accountancy, Business Economics, Finance, Hospitality and Resort Management, International Business, Supply Chain Management, Management, Management Information Systems, Marketing Management

College of Communication and Fine Arts

Architecture, Art, Art History, Communication, Interior Design, Journalism, Music, Music Industry, Theatre and Dance

College of Education, Health and Human Sciences

Health and Human Performance, Human Development and Learning, Integrative Studies, Physical Education and Teacher Education, Sport and Leisure Management, Teaching All Learners

Herff College of Engineering

Biomedical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Engineering Technology, Mechanical Engineering,

Loewenberg School of Nursing

University College

Interdisciplinary Studies, Liberal Studies, Professional Studies

Independent Programs

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College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

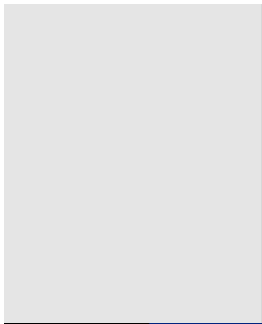
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Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)



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[Paralegal Studies \(LEGL\)](#)
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Course Descriptions

Statement of Tennessee Board of Regents (TBR) General Education Policies

Effective Fall Semester 2004, each institution on the State University and Community College System of Tennessee (The Tennessee Board of Regents System) will share a common lower-division general education core curriculum of forty-one (41) semester hours for the baccalaureate degrees and the Associate of Arts and the Associate of Science degrees. Lower-division means freshmen and sophomore courses. The courses comprising the general education curriculum are contained within the following subject categories:

Subject Area	Semester Credit Hours Required
Communication Six hours of English Composition and three hours in English oral presentational communication are required	9
Humanities / Fine Arts , including at least 3 semester credit hours in literature	9
Social/Behavioral Sciences	6
History TBR Universities require American History, except in a limited number of majors exempted from the requirement. (See specific university catalogs concerning majors that are exempt.) Students who plan to transfer to TBR universities should take should take six hours of United States History (three hours of Tennessee History may substitute). Students who plan to transfer to University of Tennessee System universities or to out-of-state or private universities should check requirements and take appropriate courses. *Students who have not completed one year of American History in high school must complete 6 credit hours of American History or 3 credit hours of American History plus 3 credit hours of Tennessee History in order to satisfy the History General Education requirement.	6
Natural Sciences	8
Mathematics	3
Total	41

* Foreign language courses are an additional requirement for the Associate of Arts (A.A.) and Bachelor of Arts (B.A.) degree. The B.A. degree requires proficiency in a foreign language equivalent to completion of two years of college-level work. The A.A. degree requires proficiency in a foreign language equivalent to completion of one year of college-level work.

Identifying Courses Satisfying the Minimum Degree Requirements

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

Although the courses fulfilling the minimum degree requirements may vary in actual design among institutions, many contain similar content. These courses are identified by common course rubrics (prefixes) and numbers in all TBR institutions to facilitate transferability. The actual courses designated by each institution to fulfill the Minimum Degree Requirements, including courses that may not be a part of the common course prefix and numbering pattern, are denoted in catalogs by the ♦ symbol. A complete matrix of courses that satisfy the Minimum Degree Requirements at all TBR institutions and an explanation of the common course rubric and numbering system are available on the TBR web page (www.tbr.edu).

Explanation of course description format: The official course title appears in boldface type following the course number. The figures in parentheses after the course title denote the number of semester hours of credit for that course. If the credit is variable, to be determined by the department, that fact is indicated by the minimum and maximum credit, as BIOL 4000 (2-4).

If the phrase "Same as . . ." and another course number appear in parentheses following the credit hours, the course is cross listed with a course in another department, and when offered by both departments, may be taken through either. If another course number in parenthesis follows the credit hours, it is the former number for the same course. Credit may not be received for both the former number and the current number of the same course.

For those courses including regular laboratory hours, the lecture/laboratory hour distribution is written in italics near the end of the course description. At the end of many course descriptions, prerequisites and/or corequisites are listed. Students are responsible for meeting the stated prerequisites prior to enrolling for the course.

A [G] at the end of the course description indicates that the course may be used to fulfill University General Education Program requirements. These requirements vary somewhat according to the particular degree program or major.

Courses are numbered according to the following system:

0001-0999 Courses for which the credit does not apply toward minimum degree requirements or for which credit is restricted.

1000-1999 Courses primarily for freshmen

2000-2999 Courses primarily for sophomores

3000-3999 Courses primarily for juniors

4000-4999 Courses primarily for seniors and for which graduate credit is not offered.

(There is sometimes a corresponding 6000 number for which graduate credit is offered to graduate students who fulfill the additional requirements for such credit.)

1000-2000 level courses are lower division courses, 3000-4000 level courses are upper division courses. Course numbers have no reference to the semester in which the courses are taught.

ELEMENTS OF COURSE DESCRIPTION

¹ART ²4002-³6002. ⁴Museum Operation. ⁵(3). ⁶(3050). ⁷(Same as ANTH 4002). ⁸Basic aspects of museum organization, management, exhibit planning and execution, and maintenance of collections and records. ⁹Two lecture/two laboratory hours per week. ¹⁰(F). ¹¹PREREQUISITE: ART 3090. ¹²COREQUISITE: ART 4001. ¹³(S/U). ¹⁴[G].

- | | |
|-------------------------|--|
| 1. Subject area | 9. Lecture/laboratory description |
| 2. Course number/level | 10. Semester in which course usually offered |
| 3. 6000 level cognate | (F) = Fall, (Sp) = Spring, (Su) = Summer |
| 4. Course title | 11. Prerequisite |
| 5. Credit hours | 12. Corequisite |
| 6. Former course number | 13. Special Grading |
| 7. Cross listing | 14. General Education * |
| 8. Course description | |

* [G] = General Education

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

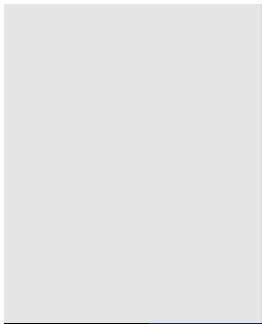
Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)



University College

[Family and Consumer Science \(CSED\)](#)
[Paralegal Studies \(LEGL\)](#)
[University College \(UNIV\)](#)

Independent Programs

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ROSIE P. BINGHAM, Ph.D., Vice President for Student Affairs

ELLEN WATSON, Interim Vice President for Information Systems and Chief Information Officer

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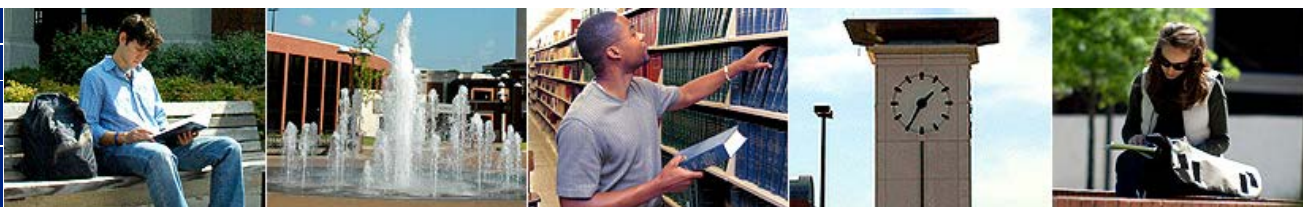


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[General Description](#)

Description of the University

From the opening of its doors in 1912 as a normal school for training teachers to its present status as one of Tennessee's two comprehensive universities, the University of Memphis has been thrust forward by the growth of Memphis and the Mid-South. A town oriented to a rural economy and culture in 1900 grew into a large urban and commercial center mid-century, and the city's public institution of higher learning experienced comparable growth.

The metropolitan and regional requirements for more highly trained university graduates have, of necessity, caused the University to expand all its offerings in arts and sciences, business, the fine arts, education, engineering and technology, law, and several special professional fields. Degrees range from the baccalaureate through the doctorate. Approximately 80 percent of the full-time faculty have earned the highest possible degree in their fields. The University strives to optimize its resources in its quest for excellence through teaching, research and service.

With an enrollment of over 20,000, the University of Memphis is committed to developing programs of the highest caliber, for only through such a commitment will it be a standard of quality in higher education for the citizens of our service area. As the comprehensive university of the State University and Community College System of Tennessee, the University of Memphis is striving to increase the ratio of doctoral programs it offers, which will also require an increased emphasis on research and scholarship activity. The University is committed to serving a diverse student body of all races, sexes and nationalities. Our students are expected, upon graduation, to be able to compete effectively with their counterparts from any other respected university in the nation.

History

The roots of the University of Memphis date back to September 12, 1912, with the establishment and beginning of classes at West Tennessee State Normal School, which provided for the training of primary and secondary education teachers. However, the seeds for the normal school's creation were sown three years earlier, in 1909, when the Tennessee General Assembly passed a General Education law calling for establishment and maintenance of three normal schools, one school located in each of the three grand divisions of the state.

The eastern edge of Memphis became the site for West Tennessee State Normal School, which in 1929 became West Tennessee State Teachers College. In 1941, the college expanded its liberal arts curriculum, and the name was changed to Memphis State College--an institution serving three to four thousand students. The undergraduate program was reorganized into three schools and a graduate school was added in 1951.

Memphis State achieved university status in 1957, and on July 1, 1994, the name was officially changed to the University of Memphis.

Governing Body

The governance and control of the University of Memphis is vested in the Tennessee Board of Regents. The composition and powers of the Board are set forth in Tennessee Code Annotated 49-8-201 through 49-8-203. The Board consists of 18 members; 12 lay citizens appointed for six-year terms by the Governor from each congressional district and grand division of the State; one faculty member appointed for a one-year term; one student appointed for a one-year term by the Governor from among the System institution; and four ex officio members--the Governor, Commissioner of Education, Commissioner of Agriculture, and the Executive Director of the Tennessee Higher Education Commission.

Organization

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[Office of the President](#)

The schools and colleges that make up the University are the Graduate School, the Cecil C. Humphreys School of Law, the University College, the Loewenberg School of Nursing, the School of Communication Sciences and Disorders, School of Public Health, and five colleges offering graduate and undergraduate programs: the College of Arts and Sciences, the Fogelman College of Business and Economics, the College of Communication and Fine Arts, the College of Education, Health and Human Sciences, and the Herff College of Engineering. The institution also offers a University Honors Program for highly motivated students seeking exceptional and challenging programs of study in a variety of disciplines. The colleges, departments, and the undergraduate degree programs they offer are described in more detail in the Colleges and Degree Programs section of this Catalog.

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The Memphis Community

Memphis, with a metropolitan area population of just over one million, is one of the South's largest and most attractive cities. As a primary medical, educational, communication, distribution and transportation center, Memphis offers a rich and full range of research opportunities and cultural experiences. The city, known worldwide for its musical heritage, has many fine restaurants, museums, and theaters, as well as one of the nation's largest urban park systems. Annual events include the St. Jude Liberty Bowl Football Classic, the Memphis in May International Festival, the Federal Express St. Jude Golf Classic, the Great River Carnival and the Mid-South Fair. The medical complex in Memphis is the South's largest and one of the nation's foremost centers of medical research. A public transportation system provides easy travel between the university and other parts of the city.

Built on bluffs overlooking the Mississippi River, Memphis is devoted to preserving its history while vigorously building its future. Clusters of stately old homes dot the city; some are still inhabited, others preserve the past as museums, some have been restored and recast into commercial establishments; all are home to images from a long-ago time.

The University's modern and beautifully landscaped campus is centrally located in an attractive residential area of Memphis, with shopping, recreation and entertainment centers nearby. In addition to the main campus facilities, the University has research and athletic training facilities and married student housing on the South Campus, as well as teaching sites throughout West Tennessee.

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Academic Program Accreditation

The University of Memphis is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's, first professional, master's, educational specialist's and doctoral degrees. The various colleges, schools and departments and/or the individual programs are accredited by the following appropriate accrediting agencies:

- Accrediting Council on Education in Journalism and Mass Communication
- Association to Advance Collegiate Schools of Business International
- American Bar Association
- American Chemical Society
- American College of Sport Medicine
- American Dietetic Association
- American Psychological Association
- American Speech-Language-Hearing Association
- Commission on Accreditation of Healthcare Management Education
- Commission on Collegiate Nursing Education
- Computing Accreditation Commission
- Council for Accreditation of Counseling and Related Education Programs
- Council on Rehabilitation Education
- Council for Interior Design Accreditation
- Council on Social Work Education
- Engineering Accreditation Commission of ABET, Inc.
- National Architectural Accrediting Board
- National Association for Sport and Physical Education
- National Association of Schools of Art and Design
- National Association of Schools of Music
- National Association of Schools of Public Affairs and Administration
- National Association of Schools of Theatre
- National Council for Accreditation of Teacher Education
- National Strength and Conditioning Association
- North American Society for Sports Management
- Planning Accreditation Board
- Sport Management Program Review Council
- Technology Accreditation Commission of ABET, Inc.

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Commission on Colleges of the
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Facilities, Research, and Services

Academic Common Market

Participation in the Academic Common Market allows qualified students from southern states to pay in-state tuition while pursuing certain degree programs at the University of Memphis. This arrangement is available only for students whose home states do not offer the designated program. The state in which the student resides determines which of the programs offered by the University of Memphis it will make available to its students.

The Academic Common Market is sponsored by the Southern Regional Education Board (SREB). Participating states are Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia (Florida and Texas grant access for graduate level programs only). Current SREB common market guidelines and requirements may be found on the web at

http://www.sreb.org/page/1304/academic_common_market.html

Students may request through their home state coordinators that additional programs be made accessible. A list of the state coordinators with their addresses and telephone numbers may be obtained from the Academic Common Market web site

<http://academics.memphis.edu/currplan/>

In addition to certification requirements which the student's state of residence may specify, the following pertain: (1) Students must be fully admitted to a degree program that has been approved as an Academic Common Market program (nondegree students are ineligible); (2) students must obtain a letter certifying residency term of entry and approval for the particular University of Memphis program from their state's Academic Common Market coordinator.

NOTE: After enrollment, students remain eligible for in-state tuition only so long as they are continuously enrolled-consecutive fall and spring terms-in the same major for which they were originally certified. If students change major, they must process a Change of Major through their advisor and notify the Office of Admissions to change the Academic Common Market residency code on their records. Failure to process the Change of Major and to notify the Office of Admissions may subject the student to out-of-state fees for all subsequent terms of enrollment in classes for a major other than the one for which the student received ACM certification. Missing a fall or spring term of enrollment or a change of major requires that the student be recertified through the ACM coordinator in the student's state of residence.

Library Facilities

The University of Memphis Libraries include the Ned R. McWherter Library and five branch libraries: Audiology and Speech Language Pathology, Chemistry, Earth Sciences, Mathematics, and Music, which are contiguous to the appropriate university departments.

The McWherter Library offers many services through its Reference Department, including access to both electronic and print resources and instruction in use of all resources in the University Libraries. The Periodicals Department also offers assistance in accessing electronic resources, especially electronic full-text journals. The Government Publications Department is the Regional Federal Documents Depository for the State of Tennessee Documents. The Special Collections Departments' largest collection, consisting of unique and rare manuscripts, cartographic, photographic, and printed materials, including the Mississippi Valley Collection, reflects the history and culture of the Mississippi River valley.

The University of Memphis Libraries maintains agreements with other local institutions for shared use of library collections by students, faculty, and staff. These institutions include Rhodes College, LeMoyne-Owen College, Mid-America Baptist Theological Seminary, Memphis Theological Seminary, Southwest Tennessee Community College, the

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Training Programs

University of Mississippi, Christian Brothers University and Mid-South Community College.

The [University of Memphis Libraries](#)' provides access for all students and faculty to the electronic resources provided by the Libraries, including the Libraries' catalog of its collections. Access to the website is available to all Internet users, whether at home, at an off-campus site, or at a workstation in the McWherter Library and its branch libraries.

Information Systems

The University of Memphis provides its students with access to the largest public computing resource within a 100-mile radius of Memphis. Local area networks (LANs), microcomputers, and a variety of peripherals devices (printers, scanners, plotters, etc.) are connected to an optical fiber network that covers virtually the entire 1,060 acre campus. In addition, the network is accessible via dial-in services and by using other Internet Service Providers (ISPs) and Information Systems will soon provide the campus with wireless access to our network. The Help Desk (678-8888) can provide information on how to apply for access to any of the services provided by Information Systems.

UofM M students, faculty, and staff have access to more than 1200 computers (both IBM PC compatibles and Apple Macintosh machines) through 54 labs located throughout campus and at 3 remote sites. In addition, more than 30 computing labs are available in the nine schools and colleges that comprise the University of Memphis. Many of these labs house special purpose software and specialized systems such as the Smith Super-lab Cluster that provided a complete parallel computing environment for research and instruction in areas requiring heavy computational computing.

INFORMATION SYSTEMS (I.S.) is responsible for providing all central computing support for administrative systems. I.S. designs and manages the infrastructure that supports these systems as well as those for instructional programs and scholarly research. The schools and colleges operate on a distributed design that uses local support provides (LSPs) as the first line of support for departmental computing with additional support and expertise provided by I.S. Training on a wide variety of software applications is managed through the I.S. Training Center that provides formal training for students, faculty, and staff.

The University of Memphis is actively engaged in supplying instruction via the World Wide Web and providing staff support for faculty development of courseware through participation in a national consortia such as the MERLOT Group and as a member of the Early Adopter of Internet-2. Web access to information at U of M is provided by I.S. in cooperation with Marketing and Advancement via the I.S. the Web Team (one of several self-directed teams with Information Systems). I.S. established standards and support for web-page development throughout the University.

Information Systems is a key support unit in assisting the University of Memphis achieve its goal of assuring that every graduate of the U of M is technologically fluent; that is, graduates who not only are capable of using and understanding technology within their discipline and the world in which they live, but also capable of learning new technologies as they arise and understand how technology influences changes in the world in which we will live.

Benjamin Hooks Institute for Social Change

The Institute pursues a broad programmatic agenda of research and outreach that builds upon Dr. Hooks' lifetime of work to achieve a more just society. The Hooks Institute is committed to advancing the goals of the American Civil Rights Movement, and making Memphis a national center for the study of the Civil Rights Movement and its legacy.

Bureau of Business and Economic Research

The Bureau of Business and Economic Research is the organized research and public service unit of the Fogelman College of Business and Economics. The programs of the bureau include public service to government agencies (state and local) and the business community, continuing education, and applied general research.

Center of Applied Psychological Research

The Center for Applied Psychological Research supports research on problems concerning health, mental health, education, schools, crime, the environment, and children and their families. The Center also supports basic scientific research in cognitive psychology, biopsychology, social psychology, developmental psychology, and research design and statistics.

Center for Earthquake Research and Information

The Center for Earthquake Research and Information was established in 1977 by the Tennessee State Legislature to provide the citizens of Tennessee, governmental agencies, and the news media such services as the following: (1) accurate, immediate reports and background information on the occurrence of regional earthquakes; (2) scientific research related to the causes and consequences of local earthquakes and to

the possibility of earthquake prediction; (3) studies related to the desirability of earthquake resistant construction; (4) advice to the populace, business, government, and insurance groups on the methods, means, and feasibility of reducing earthquake damage. It operates as a research organization of the University of Memphis. It supports some undergraduate student research in seismology and geophysics and civil engineering and cooperates with the Department of Geological Sciences in offering an undergraduate degree concentration in geophysics.

Center for Research in Educational Policy

The Center for Research in Educational Policy is funded by the State of Tennessee as one of five Centers of Excellence located at the University of Memphis. CREP's mission is to implement a research agenda associated with educational policies and practices in the pre K-12 public schools of Tennessee and the nation and to provide a knowledge base for use by educational practitioners and policymakers. Research outcomes are intended to not only describe the complexities of educational phenomena, but also offer recommendations for action.

Since 1989, the Center has served as a mechanism for mobilizing community and university resources to address educational problems and to meet the University's commitment to primary and secondary schools. The Center's research agenda is developed through analysis of persistent or emerging issues in schools and their communities, changes occurring in teacher education programs, and recommendations from educational authorities. In the past decade, CREP has gained national recognition for its contribution to discussions of issues such as reform of teacher education, educational equity, educational technology, school reform and restructuring, urban and multicultural education, interventions for at-risk students, and using formative evaluation methods for school improvement decision-making.

Center for Health Services Research

The Center for Health Services Research is housed in the Division of Health Administration. The Center emphasizes collaborative, multi-disciplinary research focusing on issues in health care management, leadership, financing, economics, and administration. The Center's goal is to serve as a strong partner and resource for health care organizations, both public and private, in the Mid-South region.

Center for Manpower Studies

The Center for Manpower Studies, located in the Fogelman College of Business and Economics, conducts research on employment and training-related topics and provides technical assistance to federal, state, and local agencies. It also offers a variety of training programs for human resource development agencies throughout the southeast.

Edward J. Meeman Biological Station

The Edward J. Meeman Biological Station was established in 1967 to encourage and foster scientific pursuits in natural history, ecology, and environmental biology. Located about 23 miles northeast of the main campus and adjacent to Meeman-Shelby Forest State Park in northwestern Shelby County, the 623-acre station (with laboratory, classroom, and small conference facilities) provides students and faculty from the University of Memphis, as well as visiting investigators, with a unique site for research, teaching, and service activities. The station is an integral part of the Department of Biology.

Ecological Research Center

The Ecological Research Center (ERC) of the Department of Biology is organized to conduct and coordinate research, teaching, and service activities in ecology and related areas. Major areas of research include: fish culture, water quality, wildlife biology, endangered and threatened species, systematics, and physiological responses of organisms to the environment. The teaching program of the ERC provides a training program for students interested in pursuing careers in various professional fields and affords an opportunity for students to participate in activities involving contemporary environmental problems. Public service activities are primarily directed toward promoting environmental awareness and providing information and consultation services to those concerned with environmental problems.

The Marcus W. Orr Center for the Humanities

The Center for the Humanities was founded in 1987 and renamed in 1991 in memory of Dr. Marcus W. Orr, Professor of History. Its purpose is to support teacher and course development, independent and collaborative research, and public programs that will foster an understanding of the importance of the humanities and establish a sense of intellectual community among humanities faculty at the university. The center sponsors visiting scholars, course development grants, lectures, and a Humanities Fellows Program that supports faculty scholarship.

Center for Research on Women

Founded in 1982, the Center for Research on Women (CROW), located in the College of Arts and Sciences is nationally recognized for its pioneering work on race, class, and gender. CROW's mission is to conduct, promote and disseminate scholarship on women and social inequality. Its approach to research, theory and programming emphasizes the structural relationships among race, class, gender and sexual identity, particularly in the U.S. South and among women of color. CROW-affiliated faculty span the University. They are currently engaged in action-oriented, community-based research on women in Memphis and the U.S. South; historically grounded research that makes visible global processes affecting the persistence of inequalities in the U.S. South; and the development of feminist theories and methods. CROW offers postdoctoral fellowships to scholars studying race and gender in the U.S. South, and provides graduate assistantships to students enrolled in the M.A. program in sociology.

Center for Urban Research and Extension

The Center for Urban Research and Extension provides technical assistance, research and other services for neighborhood improvement in three Memphis Enterprise Neighborhoods. The Center supports the City of Memphis' Enterprise Community program, and collaborates with neighborhood residents as they embark upon various efforts in revitalizing their neighborhood.

Chucalissa Indian Village and Museum (C. H. Nash Museum)

This partly reconstructed prehistoric Indian village on its original site and the museum are operated by the Department of Anthropology as an educational and research facility. The indoor and outdoor exhibits are designed to reconstruct prehistoric Indian life in the Mid-South. Students are trained in the techniques of excavation, restoration and museum operations. The courses taught are listed in the Department of Anthropology offerings. Chucalissa is located 17 miles from the main campus.

Integrated Microscopy Center

The Integrated Microscopy Center provides facilities and expertise in the field of light, confocal and electron microscopy. Users of the center include researchers and graduate students in the biological and physical sciences.

The Institute of Egyptian Art and Archaeology

The Institute, founded in 1984 and designated a Tennessee Center of Excellence in 1985, is a component of the Art Department at the University of Memphis. The Institute is dedicated to the study of the art and culture of ancient Egypt through teaching, research, exhibition, and excavation. It is staffed by egyptologists and art historians associated with the department's art history program. Its research library consists of more than 6000 egyptological books and periodicals including rare and out-of-print volumes. The Art Museum at the University of Memphis houses the Institute's growing collection of Egyptian antiquities, the largest in the Mid-South. The Institute also sponsors an epigraphic project at The Great Hypostyle Hall of Karnak Temple in Luxor, Egypt, and the excavation of the tomb of Pharaoh Amenmesse in the Valley of the Kings.

Institute for Intelligent Systems

The Institute is designed to bring together research and training in the broad areas of cognitive science, complex dynamical systems, artificial intelligence, and massively parallel computing (neural computing). Current research includes basic research supported by grants from funding agencies and applied research supported by industrial/governmental contracts. Ideas and techniques for research are gathered from the disciplines of cognitive psychology, computer science, philosophy of mind, neuroscience, linguistics, and mathematics. Training should include graduate courses, thesis and dissertation research, and industrial training in the form of workshops, seminars, and employee research participation.

Regional Economic Development Center (REDC)

The Regional Economic Development Center represents the University in its outreach function in the field of economic development planning. In providing technical and management assistance to the public and private sectors, the Center also serves as a laboratory for interdisciplinary research and service by faculty and graduate students in solving problems of urban and regional development. The Center's professional planning staff have academic appointments and teach courses in City and Regional Planning. REDC is an outreach unit of the School of Urban Affairs and Public Policy.

Speech and Hearing Center

Located at 807 Jefferson Avenue in the medical center of Memphis, this facility became affiliated with the University in 1967. An additional site is located on the South Campus in building #44. Both locations serve children and adults with communication disorders.

Students at the university are seen at no charge, while faculty and staff are seen for 50% of normal charges. The University administers and operates the center in cooperation with the Board of Directors of the Memphis Speech and Hearing Center, Inc.

Other Research Units

In addition to the units described above, the University of Memphis also recognizes a wide array of other research- oriented units:

- Anthropological Research Center
- Barbara K. Lipman Early Childhood School and Research Institute
- Bureau of Sport and Leisure Commerce
- Center of Community Health (joint with UT Memphis)
- Center for River Studies
- Computational Research of Material Institute
- Exercise and Sport Science Laboratories
- Federal Express Center for Cycle Time Research
- Groundwater Institute
- Highwater Recording Company
- Institute for Egyptian Art and Archaeology
- Institute for Gambling Education and Research
- Institute for Governmental Studies and Research
- National Science Foundation Industry/University Cooperative Research Center for Bio-Surfaces Site
- Neuropsychology Research Laboratory
- Oral History Research Office
- Religious News Association Archives
- Robert Wang Center for International Business
- Southern Music Archive
- Transportation Studies Institute
- W.H. Feinstone Center for Genomic Research

Recognized Centers and Chairs of Excellence

The University of Memphis has been designated by the Tennessee Higher Education Commission as a location for centers and chairs of excellence. The units listed below receive special funding by the State in recognition of their status.

Centers of Excellence

- Center for Applied Psychological Research
- Center for Earthquake Research and Information
- Center for Research Initiatives and Strategies for the Communicatively Impaired
- Center for Research in Educational Policy
- Center of Excellence in Egyptian Art and Archaeology

Chairs of Excellence

- Accounting (2)
- Art History
- Audiology & Speech Language Pathology
- Biomedical Engineering (2)
- Combinatoric Mathematics
- Economics and Managerial Journalism
- English
- Finance
- Free Enterprise Management
- International Business (2)
- International Economics
- Journalism
- Judaic Studies
- Law
- Management Information Systems
- Molecular Biology
- Nursing
- Philosophy
- Psychology
- Real Estate
- Sales
- Urban Education

Academic Personnel Services

The Office of Academic Personnel Services conducts the University of Memphis' program for student evaluation of instruction. The Student Evaluation of Teaching Effectiveness (SETE) uses a comprehensive approach for collecting, analyzing, and reporting student reactions to certain aspects of classroom instruction. All teaching faculty are required to participate in the student evaluation program. SETE is not to be administered during the

week of final exams. Faculty receive the completed forms and a computer generated summary at the beginning of the following semester. These documents, which are an important part of the dossier prepared for tenure and promotion, also provide useful information to individual faculty members for course development and/or improvement of instruction.

International Students Office in the Center for International Programs and Services

The Office of International Students advises international students regarding immigration, health, housing, social, personal, and financial concerns. Besides advising individual students, the office advises the International Students Council. The council represents six national student associations: the African Student Association, the Chinese Student Association, the Indian Student Association, the Korean Student Association, the Malaysian Student Association, and the Muslim Student Association. The office also organizes a four-day orientation for new students each semester as well as social and cultural events that encourage international students' involvement in the campus community and help ease their transition into the American way of life. International Night, the biggest event of the year, provides an opportunity for the international students to share their traditional food and entertainment with the campus and the Memphis community.

Psychological Services Center

The Psychological Services Center, located on the first floor of the Psychology Building, offers both psychological evaluations and therapeutic services to children and adults.

Alumni

The University of Memphis Alumni Association has offices located in the Alumni Center on campus. The staff serves the University of Memphis Alumni Association and provides a communication linkage to the University for graduates and former students. The Alumni Association and staff also offer special services for current students and serve as the sponsors for the University's Student Ambassador Board.

Oak Ridge Associated Universities

Since 1971, students and faculty of the University of Memphis have benefited from the University's membership in Oak Ridge Associated Universities (ORAU) is a consortium of 88 colleges and universities and a contractor for the United States Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members.

Through the Oak Ridge Institute for Science and Education (ORISE), the DOE facility that ORAU operates, undergraduates, graduates, postgraduates, as well as faculty enjoy access to a multitude of opportunities for study and research. Students can participate in programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are especially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines.

A comprehensive listing of these programs and other opportunities, their disciplines, and details on locations and benefits can be found in the *ORISE Catalog of Education and Training Programs*, which is available at <http://orise.orau.gov/default.aspx>, or by calling either of the contacts below.

ORAU's Office of Partnership Development seeks opportunities for partnerships and alliances among ORAU's members, private industry, and major federal facilities. Activities include faculty development programs, such as the Ralph E. Powe Junior Faculty Enhancement Awards, the Visiting Industrial Scholars Program, consortium research funding initiatives, faculty research and support programs as well as services to chief research officers.

For more information about ORAU and its programs, contact Andrew Meyers, Vice Provost for Research, ORAU Councilor for the University of Memphis; Monnie E. Champion, ORAU Corporate Secretary, at 423-576-3306; or ORAU at <http://www.orau.gov>.

Extended Programs

THE OFFICE OF PUBLIC SERVICE serves as a prime contact for individuals and organizations outside the University. Through this office, access may be gained to University facilities and resources.

THE MEMPHIS SMALL BUSINESS DEVELOPMENT CENTER is organized to provide business development services to new and existing small business firms throughout West

Tennessee. These services add to the economic development efforts of the local communities by adding and retaining employment. Special attention is given to women, minority, and veteran-owned businesses.

LAMBUTH CAMPUS offers a wide variety of undergraduate and graduate courses and degree programs to students living in the Jackson area.

THE CONTINUING EDUCATION SHORT COURSE PROGRAM serves as an important link to the Memphis community, providing comprehensive, non-credit programs ranging from professional development to personal enrichment. The program is designed to narrow the education gap left by the degree-awarding academic programs at the University of Memphis, thus complementing the University's mission of service to the community. The program is strongly service-oriented, providing general interest instruction to learners of all ages, regardless of their educational background. The Short Course Continuing Education product is high quality, affordable, and requires no formal admission to the University.

THE KEEP TENNESSEE BEAUTIFUL program, established in 1983, serves as the state Keep America Beautiful agency and state resource center for litter prevention and proper solid waste management education. Keep Tennessee Beautiful is funded by Tennessee Department of Transportation.

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The Graduate School

The Graduate School of the University of Memphis is the center of advanced study and research within the University. The basic objectives of the Graduate School are:

- To preserve and disseminate knowledge;
- To extend knowledge through research; and
- To prepare men and women to assume responsible and useful roles in a changing society.

The Doctor of Philosophy degree is awarded in audiology and speech pathology, biology, biomedical engineering, business, chemistry, communication arts, counseling psychology, earth sciences, educational psychology and research, engineering, English, history, mathematics, music, philosophy, and psychology. The degrees of Doctor of Audiology, Doctor of Education, and Doctor of Musical Arts are awarded by the School of Communication Sciences and Disorders, the College of Education, Health and Human Sciences, and the College of Communication and Fine Arts, respectively. The College of Education, Health and Human Sciences also awards the degree of Education Specialist with a major in education. The Cecil C. Humphreys School of Law awards the Juris Doctor degree.

Masters programs are offered in forty-eight major areas through six colleges and one school. The degrees include Master of Science, Master of Arts, Master of Fine Arts, Master of Arts in Liberal Studies, Master of Arts in Teaching, Master of Business Administration, International Master of Business Administration, Master of City and Regional Planning, Master of Music, Master of Health Administration, Master of Public Administration, and Master of Science in Nursing.

Graduate certificates are also offered in African American Literature, Applied Lean Leadership, Artist Diploma in Music, Business Information Assurance, Cognitive Science, College Teaching, Community College Teaching and Leadership, Disability Studies, Geographic Information Systems, Information Assurance, Instructional Computing Applications, Local Government Management, Museum Studies, Philanthropy and Non-Profit Leadership, Software Testing, Teaching English as a Second Language, Urban Education, and Women's and Gender Studies. The Loewenberg School of Nursing awards the post-master's Family Nurse Practitioner certificate.

Visit the Graduate School at <http://www.memphis.edu/gradschool/>

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Cecil C. Humphreys School of Law

The Cecil C. Humphreys School of Law offers a program of instruction leading to the degree of Juris Doctor.

Admission to the Cecil C. Humphreys School of Law is on a selective basis. To be eligible for admission, a student must have received a bachelor's degree from an accredited college or university and must have made a satisfactory score on the Law School Admission Test. Questions concerning additional admissions requirements should be addressed to the Assistant Dean for Admissions, Recruitment, and Scholarships at <http://www.memphis.edu/law/> The regulations and policies of the School of Law are set out in greater detail in the Law School Catalog, a separate publication of the University of Memphis Catalog.

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New Student Orientation, Advising and Registration

The academic year consists of two semesters and a summer term. The fall semester begins in late August or early September and ends in December; the spring semester begins in January and ends in May; and the summer session is held between the end of the spring semester and the beginning of the fall semester.

The New Student Orientation program, which is required for all first time degree-seeking students, is held during the summer for new freshmen and transfer students. Orientation is designed to acquaint new students with registration procedures, University regulations, college life, and student activities and services.

During Orientation, students meet with an academic advisor, plan their course schedule, and register for classes. Even though advisors help students select the appropriate courses, this does not relieve students of their responsibility to study the Undergraduate Catalog and fulfill all of the requirements for their specific degree program. (Note: Before students attain senior standing, they should consult with the college level advisor or graduation analyst of the college regarding fulfillment of requirements for their degree.)

Colleges and universities in the Tennessee Board of Regents system place students according to their ACT subscores in English, Math, and Reading, provided that those scores are less than 3 years old. At the University of Memphis:

- Students with ACT reading subscores below 19 are required to enroll in ACAD 1100.
- Students with ACT English subscores below 18 are required to enroll in prescribed English courses.

If students feel they have been misplaced by their ACT subscores in English and reading, they may take the COMPASS test to attempt to place in a higher level course. All students, regardless of their ACT math subscore, are required to take the [ALEKS placement exam](#) for math.

Students without ACT scores are required to take a placement test, the [COMPASS](#) assessment and placement test, to determine the best course placement for them. The COMPASS test provides students and their advisors with important information about educational preparation and is a good beginning toward the achievement of academic goals.

Credit is not allowed in any course for which students are not officially registered. Students must withdraw from all courses prior to the first day of classes for the session to avoid financial responsibility for fees.

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Student Aid

The Student Financial Aid Office administers federal, state, and institutional aid programs in order to provide financial aid to qualified students. The programs of financial aid include Scholarships, Grants, Loans, and Student Employment. With the exception of grants, which are always need-based, each of these financial aid programs can be either need-based or non-need based. All need-based programs are based on an assessment of an Expected Family Contribution using family income and asset information provided by the completion of the Free Application for Federal Student Aid (FAFSA) by the student and/or parent. Students applying for financial aid programs that require the FAFSA must be U.S. Citizens or permanent residents, must be admitted as degree-seeking students, and if seeking a second bachelor's degree, have declared a major.

Please access the Financial Aid Office website for current information at:
<http://www.memphis.edu/financialaid>.

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Grants

The Financial Aid Office offers students a financial aid package once the FAFSA results are received. Students can view their financial aid package on their [myMemphis](#) account. It may be a possible combination of grants, loans, scholarships, and employment to meet as much of the student's need as possible. Enrolled hours, residency classification, cumulative grade point average, and other financial assistance already received will affect the amount and type of financial aid students can receive to meet their financial need. Click [here](#) for more information about the different aid programs.

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Student Employment

The University of Memphis offers two programs of on-campus employment. Federal Work-Study is a need-based financial aid program. The regular student employment program is not need-based and is available to any student enrolled at least half-time. Job openings for both programs are posted in the [Student Employment Office website](#).

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Scholarships

Academic Scholarship Programs

The University of Memphis offers several hundred scholarships each academic year in varying amounts depending on the particular guidelines for the scholarship and the academic credentials of the student.

For more information on UNDERGRADUATE scholarships, please visit www.memphis.edu/scholarships, or contact the Undergraduate Scholarship Office directly at (901) 678-3213.

For more information on GRADUATE scholarships, contact the GRADUATE SCHOOL at 217 Administration Building, Memphis, TN 38152, or call (901) 678-2531.

For more information regarding LAW scholarships, contact 203 Cecil C. Humphreys School of Law, Memphis, TN 38152 or call (901) 678-5403.

University Freshman Scholarships

The University of Memphis awards hundreds of academic scholarships each year to entering freshmen. All scholarships are awarded for the academic year (Fall and Spring semesters only). Scholarships are awarded based on information submitted on the University of Memphis admissions application. A separate scholarship application is not required unless noted. The priority deadline for admission to the University of Memphis for scholarship consideration is March 1. All University of Memphis scholarship program awards are based on a combination of ACT/SAT scores and cumulative high school grade point average (7th semester). These scholarships are four year, renewable scholarships requiring full time enrollment. Early application to the University of Memphis is strongly encouraged as scholarship awards are limited. For a detailed list of available scholarships, please [CLICK HERE](#).

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[College of Communications and Fine Arts](#)
[College of Education, Health and Human Sciences](#)
[Herff College of Engineering](#)
[Loewenberg School of Nursing](#)
[University College](#)

ROTC Scholarships

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Private Scholarships

Each year, the University of Memphis awards a number of private scholarships thanks to the generosity of faculty, staff, alumni, and other supporters of academically exemplary and financially needy students at the University of Memphis. The amounts vary with each scholarship, and scholarships are awarded on a competitive basis. For more information concerning Private Scholarships, please [CLICK HERE](#).

Outside Scholarships

Are you looking for a scholarship? We can help! Students and their families are encouraged to search the web to explore the exciting possibilities of finding a scholarship especially for you. Go ahead, [CLICK HERE](#) to get started!

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IMPORTANT NOTICE

The Federal Tax Reform Act of 1986 significantly changed the tax status of scholarships, fellowships, and grants you receive from the university. Prior to the Act, scholarships, fellowships, and grants were generally not subject to income tax. Since then, scholarship, fellowship, and grant amounts exceeding tuition, fees, and course-related books, supplies, and equipment have become taxable.

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Registration and Student Records

All continuing students are expected to register during November for the following Spring semester and in April for the following Summer OR Fall. Students are responsible for becoming familiar with the deadlines, rules, and regulations related to registration.

Student Records The Office of the Registrar provides grade reporting and transcript services. Current semester grades may be obtained on Student Self Service at <http://my.memphis.edu>.

The University of Memphis requires written authorization from the student to release transcripts. Transcripts may be requested in person, room 003 Wilder Tower, by mail, or by FAX (901) 678-3249. Include the following information with your request: complete name, former names, Banner ID Number (U#) or last four digits of Social Security Number, birth date, current address, first and last years of attendance, address(es) where transcript is to be mailed, number of copies to each address. Sign and date your request. There is no fee for the first twenty transcripts; however, a transcript will not be released if you have not satisfied all obligations to the University. If you have any additional questions, please contact Transcripts Office at (901) 678-3927.

The University is required by state law to withhold grade reports and transcripts from students who have outstanding financial obligations to the University.

Student and Faculty Services Student Information Services provides services to students related to their current term enrollment and their personal biographic/demographic data. These services include: schedule adjustments (drop/add/withdrawal), name changes, address changes, etc. This unit is located in the Registrar's Office, 003 Wilder Tower.

Veterans Educational Benefits & Certification, located in the Office of the Registrar, Room 003, Wilder Tower, provides assistance for eligible national guard/reserves, veterans and/or dependents who enroll at the University of Memphis and request to use their VA educational benefits. Those who will be using VA educational benefits while enrolled at the University of Memphis should contact the office and be prepared to furnish the following documentation:

1. A copy of the Certificate Of Release Or Discharge From Active Duty, (DD-214 Member-4) or other armed forces separation papers
2. Copy of Delayed Enlistment Contract
3. Copy of marriage license and children's birth certificates
4. Copy of final divorce decree if either veteran or spouse was previously married
5. VA File Number
6. Notice of Basic Eligibility (NOBE)
7. Kicker Contract

Enrollment Status: For VA educational benefits during the regular full 15 week semesters (Fall and Spring), 12 semester hours constitute a full-time load for undergraduate and law students. For graduate students, 9 semester hours constitute full time. Training time for summer sessions and other non-standard terms for undergraduate, law, and graduate students is determined by the number of semester hours enrolled in each part of term.

The Veterans Administration places restrictions on those who receive VA educational benefits. Some restrictions include: (1) regular class attendance, (2) satisfactory academic progress, and (3) adherence to a specific degree plan.

Degree Plan: Only courses required for the degree and major may be certified to the VA. Undergraduate students now have access to UMdegree, a web-based tool that helps

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students and advisors monitor progress toward meeting degree requirements. Courses that are listed as Fallthrough on UMdegree may not be certified for VA Educational Benefits without further investigation. Fallthrough generally indicates excessive elective course(s) that are not included in the 120 hours needed to graduate. Students who enroll in courses that are listed as Fallthrough on UMdegree should consult with their academic advisor and request that UMdegree be updated if the course(s) is not correctly listed. This verification is necessary before the course(s) may be included in the number of hours certified to the VA.

Repeat Courses: VA will not pay for repeat courses if the grade previously earned is accepted by the University of Memphis and will fulfill graduation requirements (even if the course was taken at another institution with or without use of the G.I. Bill).

Although advisors are provided for veterans, this assistance does not relieve students of the responsibility for fulfilling all VA and University requirements.

Certification: To request certification for VA educational benefits, students must submit the Veterans Request for Certification form to Veterans Educational Benefits & Certification. Certifications are not automatically processed, students must submit this form each semester.

VA Educational Tuition Deferment Request: Service members, veterans, and dependents of veterans, who are eligible for and receiving VA educational benefits, may request to have their tuition and fees deferred until the end of the semester by contacting Veterans Educational Benefits & Certification.

Early Registration for Veterans: Public Chapter No. 788, 2012 Acts of the Tennessee General Assembly. This new state law provides that military veterans who entered and served honorably in the United States armed forces on active duty, active national guard, or active reserves must be allowed to register for classes at TBR and UT institutions prior to the general student population. The law applies to a military veteran who is currently a resident of Tennessee or whose home of record for military purposes is Tennessee, and who is a student at a public institution of higher education.

Any veteran not currently receiving Veterans educational benefits who wishes to be identified as a veteran in order to receive priority registration should provide a copy of the DD-214 (or other appropriate military documents) to Veterans Educational Benefits & Certification.

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Student Development

The University of Memphis knows that academic and career success are inextricably tied to the student's welfare and effectiveness in intellectual, personal, social, emotional, physical, spiritual, financial, and family arenas. Students will find numerous programs and services within Student Development to acquire and enhance a range of skills vital to their success. Some opportunities include wellness education and health care, personal counseling and stress management training, career exploration and development, internship and job search support, tutoring and academic skills development, accessibility services, leadership skills coaching, interpersonal effectiveness training, and referral services. Student Development believes in partnerships with departments across the campus to address the comprehensive needs of students.

Career Counseling

Career Counseling, 211 Wilder Tower, affords students an opportunity to explore self, career options, obtain information relating academic majors to career choices, evaluate employment outlook information, and develop realistic career goals. Through counseling, computer assistance and testing, each person is given the opportunity to make a well-considered career choice.

Career Services

Career Services, 400 Wilder Tower, focuses on "Educating, Engaging, and Empowering the University of Memphis community. Career Services works with students during all phases of the career development process. Services include assessments, career planning, resume critiquing, mock interviewing, on-campus interviewing, and internship and job search preparation. Career Services offers numerous resources that assists students with their professional development and career needs. Individual advising is available to students needing assistance with resume writing, cover letters, and job and internship searches. Class and student organization presentations are offered throughout the fall and spring semesters on career-related topics such as Resumes, Interviews, Dress for Success, Negotiation Job/Salary Offers, and Proper Etiquette.

All services are offered free of charge. For purposes of interviewing, registration for services through eRecruiting is required and it is recommended that seniors and graduate students register three semesters prior to graduation. Career Services is open Monday through Friday 8:00 a.m. - 4:30 p.m.

Psychological Counseling

The Psychological Counseling, room 214 Wilder Tower, provides students with the opportunity to discuss and explore any concerns and feelings that are of importance to them. Problems in relationships, feelings of loneliness or inadequacy, family or marriage difficulties, depression, the inability to concentrate or study, or simply "feeling the need to talk things out" are all examples of concerns that are dealt with through psychological counseling. The staff is professionally trained and experienced in working with a wide variety of student concerns through individual and group counseling, testing, programs and workshops, and referral to additional service centers on and off campus. The counselors subscribe to the confidentiality policy in the ethics and guidelines established by the American Psychological Association.

Disability Resources for Students

Disability Resources for Students, 110 Wilder Tower, provides information and support services that enable students with disabilities to take full advantage of the educational opportunities at the University of Memphis. Specific services are determined individually and are based on functional limitations caused by disability. Services include pre-enrollment planning; specialized orientation; early registration; adapted campus housing; academic aids such as readers, note takers, and interpreters; test accommodations; alternate format text and print materials; assistive computer

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technology and other special aids; assistance arranging classroom accommodations; supportive guidance and counseling; and liaison with state rehabilitation agencies. Some services require advance notice to arrange.

All persons who have a disability are encouraged to register with Disability Resources for Students and to provide this office with medical documentation of the functional limitations related to their disability. This registration entitles qualified students with disabilities to the legal rights provided under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Given adequate time, experienced staff will provide assistance in evaluating individual needs and in developing a plan for appropriate disability services. For more information, please contact Disability Resources for Students, 901/678-2880.

Student Health Services

Student Health Services, 3770 DeSoto Avenue, is open Monday, Wednesday, Thursday, and Friday, 8:00a.m. - 4:30p.m. and Tuesday 9:00a.m. - 4:30pm. The facility is closed evenings, weekends, holidays, and announced University Holidays. Early evening hours may be available Monday through Thursday, 4:30-6:00 during the Fall and Spring semesters.

Medical services are available to students, faculty, and staff members on a walk-in basis. Each visit to Student Health Services requires the individual to present a valid University of Memphis identification card before treatment is provided.

Student Health Services is staffed with a physician, nurse practitioners, nurses, laboratory and X-ray technologist, health educator, and various administrative support personnel. Student Health Services' major emphasis is on the diagnosis and treatment of short-term, acute medical illnesses on an outpatient basis. One's family doctor should continue to be the primary source for medical care. A Family Planning Clinic is provided by the Shelby County Public Health Department at Student Health Services on Mondays, Wednesdays, and Fridays. The Family Planning Clinic schedules appointments and provides birth control information, devices, medications, and examinations (by appointment).

Health Center visits, along with in-house laboratory analyses ordered by the provider, are free of charge for students. The patient will be asked to pay for laboratory tests sent to an outside laboratory for analyses. Payment may be made by cash, check, MasterCard, Visa, Discover, American Express credit card, or Tiger Fund\$. When in-depth evaluation or treatment is needed the patient is referred off-campus, and the patient is responsible for all charges incurred at that facility. Family Planning Clinic charges fees are on a sliding fee scale and payment is made directly to the Family Planning Clinic.

The Tennessee Board of Regents has authorized a private insurance company to provide health insurance for students. Students may pick up a brochure about the insurance from Student Health Services. The student pays the insurance company directly for the policy.

Student Success Program

Student Success Program, 405 Mitchell Hall, includes two U.S. Department of Education-funded TRiO programs and a Suder Foundation-funded First Scholars that provide free academic, career, financial, personal, social, and technological assistance and support to eligible college students. The program helps eligible participants adjust to college life, achieve academic success, graduate, and move on to become contributing members of society. Students who are eligible to participate in the TRiO Excel program are first generation college students, students with disabilities, and/or students who are Pell Grant eligible. TRiO STEM participation requires the same eligibility, plus a declared major in a science, technology, engineering, or mathematics field. First generation students entering the university as full-time, residential freshmen are eligible for the First Scholars Program, which includes a \$5,000 scholarship renewable up to four years.

Tutoring @ ESP (Educational Support Program)

The Educational Support Program (ESP), 217 Mitchell Hall, provides free tutoring on a walk-in basis through 10 Learning Centers: Academic Enhancement (General Education courses, study, reading, test-taking strategies), English (writing across the curriculum), Mathematics (math for all courses), Business (all courses in those majors), Science (all science courses), Millington Satellite Campus (Spanish, Math, Writing, Criminal Justice), Carrier Center Satellite Campus (Math, Spanish, Writing, Anthropology, History), Richardson Towers (Science, Math, Writing, Philosophy, Economics, Engineering, Spanish), Living Learning Complex (Science, Math, Writing, Psychology, Spanish), and Park Avenue (Science and Math). ESP also offers Supplemental Instruction for historically difficult classes. Students must be enrolled in the course at U of M for which the tutoring is requested. Tutors are available for both individual and group study sessions. Seminars are regularly presented and can be scheduled for classes and organizations.

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Student Life

Student Life offers students a wide variety of services and learning experiences outside the formal classroom setting. Included in the area of Student Life are the departments of Adult and Commuter Student Services, Campus Recreation and Intramural Services, Multicultural Affairs, Office of Student Conduct, and Student Leadership and Involvement. The Office of Student Life also serves as liaison with Religious Life staff and as advisor to the Student Government Association. Information may be obtained from the Office of the Dean of Students, room 359 University Center.

Adult and Commuter Student Services, 243 University Center, offers an abundance of amenities to help the adult and non-traditional veteran or commuter student become better acquainted with student life. The office provides a computer lab, a quiet study area, a lounge space with free coffee and hot chocolate, transportation and off-campus housing information, monthly seminars, and the Adult and Commuter Connection e-newsletter.

The Adult Student Association, is geared toward non-traditional college students, usually age 25 and older, with an informal way to receive support during their educational experience, and to express concern about any particular issues that may arise.

Campus Recreation and Intramural Services contributes to the health, physical, psychological and social well-being of the university community by serving students, faculty, staff, alumni and friends of the University of Memphis. Participation in sports and other leisure activities contributes to the total educational process through the development of skill essential for everyday life.

The Student Recreational and Fitness Center is the primary venue for recreation at the University. At this location CRIS provides pools, weight and cardio area, equipment purchase and rental, outdoor and indoor gyms, field space, tennis and sand volleyball courts, exercise classes, fitness programs, personal training, massage therapy, swim lessons, clinics, informal recreation, special events, and competitive intramural and club sports focusing on our increasing leisure time. The student oriented CRIS staff offer a wide variety of programs and give personal attention to the needs of all individual participants.

Child Development Center provides childcare services are available for the University of Memphis students. Space is available on a first come/first serve basis. The center accepts children between the ages of 30 months and 12 years.

During the fall and spring semesters, the center's hours are Monday through Thursday, 7:30 a.m. to 9:00 p.m., Friday, 7:30 a.m. to 4:30 p.m. The summer semester operating hours are Monday through Thursday from 7:30 a.m. to 9:00 p.m. and Friday from 6:30 a.m. to 4:30 p.m. Hours of operation may vary and be based on enrollment. For additional information, come to the Child Development Center located at 3875 Tiger Paw South (Northeast of the Central Avenue Parking Lot-adjacent to the University town-home community).

Dining Services Tiger Dining offers a variety of dining facilities, vending areas, and coffee bars in a variety of locations on campus, including two all-you-care-to-eat options, Fresh Food Company and Just For You, the Union Food Court that includes a Burger King Whopper Bar, Taco Bell, Topio's Pizza, and several other national brands including, Einstein's Bagels, Chick-fil-a, and Dunkin' Donuts. Tiger Dining also offers a variety of meal plans for students living on and off campus.

Multicultural Affairs. The Office of Multicultural Affairs, 223 University Center, provides a welcoming and supportive environment that advises students of color with regard to their academic, social, cultural, and financial affairs. With a caring, professional staff, the office helps students adjust to learning, living, and working in a large university setting.

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Students also utilize the office as a source of information about opportunities for leadership development, conferences, internships, scholarships, professional schools, and community involvement.

The office is home to several student organizations, including the Black Student Association, Black Scholars Unlimited, Empowered Men of Color (EMOC), the Hispanic Student Association, and the University of Memphis chapter of the National Association for the Advancement of Colored People (NAACP). All U of M students are encouraged to join these organizations, and can visit the office in 223 University Center.

Office of Student Conduct, 359 University Center, is responsible for the administration of the University of Memphis Code of Student Rights and Responsibilities, which outlines the rules and regulations necessary to govern the behavior of students and student organization.

Student Leadership and Involvement, 211 University Center, provides programs and opportunities through which students may become meaningfully involved in campus life. Student Leadership and Involvement includes Greek Affairs, Student Activities Council, Registered Student Organizations, Leadership Programs, and Community Service.

Greek Life: Fifteen international fraternities and eleven international sororities are active on the University of Memphis campus. The University strives to maintain a strong Greek community through coordination of Greek activities provided by the Office of Greek Affairs in areas of social service, philanthropy, scholarship, spiritual life, social development, and sense of leadership.

Fraternities: Alpha Phi Alpha, Alpha Tau Omega, Iota Phi Theta, Kappa Alpha Order, Kappa Alpha Psi, Lambda Chi Alpha, Omega Psi Phi, Phi Beta Sigma, Phi Gamma Delta, Pi Kappa Alpha, Pi Kappa Phi, Sigma Alpha Epsilon, Sigma Chi, and Sigma Phi Epsilon, and Zeta Beta Tau.

Sororities: Alpha Delta Pi, Alpha Gamma Delta, Alpha Kappa Alpha, Delta Gamma, Delta Sigma Theta, Kappa Delta, Interested Ladies of Lambda Theta Alpha, Phi Mu, Pi Beta Phi, Sigma Gamma Rho, and Zeta Phi Beta.

Student Activities Council is the principal programming body for the University community. It is composed primarily of student volunteers for the purpose of providing social, cultural, recreational and educational activities, and events that appeal to a wide variety of interests. Music, comedy, films, lectures and cultural events are just a few of the many activities planned and facilitated by the Student Activities Council (SAC).

Student Organizations Over 200 student organizations are registered with the University. Student organizations represent a broad range of endeavors including academic, social, spiritual, cultural, service, recreational, and special interest. For information, contact the Office of Student Activities, room 425, University Center.

Service (Volunteerism and Service-Learning) The Student Leadership and Involvement Office promotes and supports service efforts by the University of Memphis students and works with local community agencies to engage students in a variety of meaningful service activities. The office serves as a resource center for community service programming in order to help students expand their understanding of social/community issues, develop leadership skills, and work on solutions to real life problems. For more information on these initiatives, contact the Office of Students Activities, room 425, University Center.

Religious Affairs is comprised of several religious organizations that provide activities and communities that focus on the religious or spiritual development of University students. Many of these organizations have ministry facilities close to campus or utilize University facilities for their programs. Organized religious groups include: Baptist Collegiate Ministry, Campus Outreach, Catholic Campus Ministry, Christian Student Center (Soma - Church of Christ), Hillel of Memphis (Jewish Student Union), Presbyterian Place, RUF (Reformed University Fellowship), and Wesley FOUNDATION (United Methodist). There are also numerous religious registered student organizations on campus.

Student Judicial and Ethical Programs The Office of Student Judicial and Ethical Programs is responsible for the administration and coordination of student disciplinary actions involving both social and academic misconduct under the Code of Student Rights and Responsibilities. The office is also a resource for the interpretation of policies that affect students and for programs on ethics and academic integrity. The Office of Student Judicial and Ethical Programs is located in room 105, University Center.

Student Government The Student Government Association (SGA) of the University of Memphis is a unique organization of students who work together and are committed to improving the University community. SGA represents all students, graduate and undergraduate, and strives to bring each student's interest to the forefront.

The University of Memphis SGA consists of the Executive members, the Senate, the

Student Court, and the Freshmen Council. The SGA office is located in room 411, University Center.

University Center and the Michael D. Rose Theatre are the center of community life on campus. Together they host many of the meetings, programs, and events that make up campus life. The complex features two theatres, a ballroom, and numerous other meeting and event spaces. In addition, the UC is home to nearly two dozen student organizations, as well as multiple offices that support student engagement and involvement. Services available in the UC include: a 24-hour student computer lab; copy center, information desk, campus scheduling, campus postal station (and mailboxes), the Union Food Court, Tigers Restaurant, Tiger Catering, and The Union Market/Dunkin Donuts.

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Other Activities and Services

Academic Counseling Center All freshmen, transfer, and readmitted students who have not decided upon an academic major are assigned to the Academic Counseling Center (ACC). The purpose of the ACC is to provide academic counseling that will prepare students to choose a major and then be enrolled into one of Uof M's degree granting colleges. The counselors are available by appointment to discuss the many academic programs offered and to help the students explore these possibilities as they relate to their personal and educational goals.

Athletic Academic Services The Center for Athletic Academic Services is located in Wilder Tower, room 600, and provides counseling, tutoring, scheduling assistance, career planning and special services for all the University of Memphis student athletes. The center also handles NCAA interpretations and the academic eligibility requirements of student athletes.

Intensive English for Internationals (ESL) The intensive English language program has been developed to meet the needs of internationals in Memphis and the surrounding area, and from abroad. English language instruction for non-native speakers of English is offered at five levels of instruction. For students coming from abroad, the program follows the University calendar for the fall and spring semesters. An eight-week session is offered during the summer. Internationals residing locally can enroll for shorter periods of time. Classes designed to meet special needs can also be arranged outside of those regularly scheduled.

International Programs and Study Abroad The Office of International Programs administers semester and year-long exchange programs and facilitates study abroad programs for shorter periods of time. Exchanges are currently available at more than 120 colleges and universities in some 40 countries through the International Student Exchange Program (ISEP) and the College Consortium for International Students (CCIS). Some of the ISEP and CCIS programs are taught totally in English and others totally in the native language, but many provide the opportunity to increase language skills while taking other courses in English.

Direct or one-on-one exchanges are also administered by International Programs. The University of Memphis currently has agreements for such exchanges with universities in China, Czech Republic, France, Japan, Korea, Germany, Netherlands, and the United Kingdom. Negotiations to add to the number of exchange partners are underway, both direct and through our affiliated programs.

Short-term study programs in the summer are offered by faculty members of the University of Memphis and through consortia and affiliated programs. Spanish study in Costa Rica and the British Studies Program in London are among the more popular offerings. The Office of International Programs also maintains a library of information on other international programs for semester or summer study around the world. International Student Identification Cards which provide insurance and discounts for students traveling abroad may be purchased at the Office of International Programs.

Competitive Study Abroad Scholarships are available to academically able students. In order to assist with the added cost of international travel, financial aid, which is available for on-campus study, is available for study abroad as well.

The Office of International Programs welcomes the opportunity to advise students on the possibilities of study abroad.

Pre-Health The University of Memphis offers the prerequisite courses student must complete prior to applying for admission to professional school in medicine, dentistry, optometry, osteopathic medicine, pharmacy, veterinary medicine, podiatry, chiropractic medicine, physician assistant or cardio-respiratory care, as well as the prerequisite classes required for admission to an allied health program such as cytotechnology, dental hygiene, health information management, medical technology, occupational therapy, or physical therapy.

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The Pre-Health Advising Center, located in 107 Scates Hall, and designated faculty members work closely with students seeking admission to professional school. Students receive counseling in regard to course sequencing and professional school admission requirements. In addition, the Pre-Health advisor coordinates workshops and meetings with health science professionals to provide students with in-depth insight into their chosen profession.

The University of Memphis Chapter of *Alpha Epsilon Delta (AED)*, the National Premedical Honor Society, holds regular peer mentorship sessions and activities of interest to pre-health students. Qualified students are encouraged to apply for membership in *AED*. Membership eligibility criteria and application forms are available in 107 Scates Hall.

The Pre-Health Advising Center welcomes the opportunity to be of assistance to students whose goal is admission to a health science professional school and encourages them to take advantage of the opportunities the Center provides.

Pre-Law Law schools do not prescribe a definite pre-law curriculum for prospective applicants. Therefore, there is no single major required for pre-law students. Instead, law schools seek to attract applicants possessing a broad educational background. The University of Memphis offers a minor in Legal Thought and Liberal Arts, designed for students who intend to enter the legal profession. Course work in the minor introduces students to the major intellectual traditions of the West and assists in the development of the skills necessary for future success in law school.

The Pre-Law Society provides students the opportunity to meet practicing attorneys, judges, law school faculty and admissions officers as well as other students with similar interests. The society, in cooperation with the Cecil C. Humphreys School of Law, sponsors an annual orientation afternoon at the law school during which members have the opportunity to attend classes and meet law faculty and students.

Students interested in law school, the minor in Legal Thought and Liberal Arts or the Pre-Law Society should contact the Pre-Professional advisor in room 107 Scates Hall,

The University Store The University Store is managed by Barnes and Noble Bookstores, Inc. for the convenience of students, faculty and staff. In addition to textbooks and required school supplies, the store handles a large selection of general books, complete line of insignia clothing and gift merchandise, microcomputers, art supplies, and a variety of items for the convenience of the resident students.

Post Office The University Post Office has post office boxes available for rent by students and faculty. Student mail should be addressed as follows:

Student Name

The University of Memphis

XXXX Campus Postal Station

Memphis TN 38152-xxxx

Automobiles on Campus Each student who operates and parks any motor vehicle on the campus of the University of Memphis must be registered with the Parking Office by receiving an official permit (hang tag). Permits (hang tags) are permanent and must be displayed when parking a vehicle on campus. The Parking Office will issue each new student a permit (hang tag) when the student registers for classes. The student will receive a validation sticker for placement on the original parking permit every subsequent semester that he or she registers.

A valid parking hang tag does not guarantee a parking space on University property. It is the driver's responsibility to locate an authorized parking space and abide by the parking rules and regulations of the University of Memphis. Citations will be issued and vehicles may be towed for violations.

Art The Department of Art sponsors visiting artists and lecturers, workshops and symposia through the academic year. The Art Museum of the University of Memphis (AMUM) provides students and the community with an on-going schedule of exhibitions. It also houses permanent collections of African and Egyptian art and artifacts. The Museum maintains a wide selection of objects from ancient to contemporary that are available for student research.

Music The Department of Music presents annually some 200 concerts, recitals and other cultural events to the University and community at large. It offers many activities and programs in which students may participate as individuals or as groups. Qualified students, regardless of major, may participate in the numerous musical groups including the University Symphony Orchestra, the University bands, and a variety of choral groups and small instrumental ensembles. Additionally the University's state-of-the-art recording studios are open for student use after proper instruction.

Theatre and Dance The Theatre and Dance Department sponsors guest artists, workshops, and a full season of theatre and dance productions available to all full-time students. Additionally, all students, regardless of major, are invited to participate in departmental productions either as performers or backstage persons. Production opportunities exist in both the main theatre and dance season as well as many informal activities such as Lunchbox Theatre.

Communication Programs in radio, television, and film are offered by the Department of Communication. WUMR-FM 92 is student operated. Two state-of-the-art television/film studios also offer students the opportunity to participate in broadcasting quality productions.

Publication Students write and edit The Helmsman, the University newspaper (4 issues per week).

Goodwyn Institute Lectures The lectures and addresses offered by the Goodwyn Institute cover a variety of subjects. The purpose of these lectures is to provide a system of continued education for adults and youths along general and special interests, concentrating on illustrated lectures covering all areas of the world, and to afford authoritative and accurate information upon practical and cultural subjects.

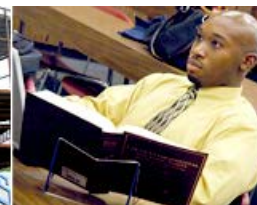
Cheerleaders The University of Memphis cheerleaders are one of the "Premier College Squads in the Nation." The cheerleading squads consist of a Varsity team (up to 10 couples) and an all-women "Blue Squad" that has 14 to 16 members. The mascot, "Pouncer," and both squads cheer at all University of Memphis home football and basketball games. The Blue Squad also cheers for the Lady Tigers' home games in the Field House on the University of Memphis campus. The cheerleaders and "Pouncer" are involved in an array of community and University activities. For additional information, contact the Cheerleading Office, room 375, Field House.

Pom Pon Squad

The University of Memphis PomPon Squad is the top dance team in the country, having won the National Championships nine times. There are two squads, the Varsity and Junior Varsity. Both squads perform at all home football games. The Varsity attends all men's basketball games, performing half-time shows at selected games. The Junior Varsity performs at the Lady Tigers' home games. For additional information, contact the PomPon Office, room 377, Field House.

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Honor Societies

Alpha Epsilon Delta, international premedical honor society
Alpha Kappa Delta, the national honorary society in sociology
Alpha Lambda Delta, a national honor society for freshman students
Black Scholars Unlimited, an honor society promoting academic experiences in scholarship, leadership, and service with special emphasis towards black students
Chi Beta Phi, a national science and mathematics honorary society
Chi Sigma Iota, a national counseling honor society
Gamma Beta Phi, an honor and service society
Gamma Theta Upsilon, a national honorary society for geography students.
Golden Key National Honor Society, a national interdisciplinary honor society for academically outstanding juniors and seniors
Honors Students Council, an organization for University Honors students
Kappa Delta Pi, a national honor society in education
Lambda Pi Eta, a communications studies honorary
Mortar Board, a national honor society established to provide for cooperation among honor societies for seniors
Omicron Delta Kappa, the National Leadership Honor Society
Order of Omega, a national honor society for members of Greek fraternities
Phi Alpha Theta, the national honor society in history
Phi Eta Sigma, a national freshman scholastic honor society
Phi Kappa Phi, a national all-discipline honor society
Pi Delta Phi, a society to recognize outstanding scholarship in French language and literature
Pi Sigma Alpha, the national honor society in political science
Pi Tau Sigma, the national honor society in mechanical engineering
Pinnacle, an honor society for nontraditional students
Psi Chi, the national honor society in psychology
Sigma Delta Pi, the national Spanish honor society
Sigma Pi Sigma, a national honor society for physics students
Sigma Tau Delta, a national honor society for English language and literature students
Tau Beta Pi, a national engineering academic honor society

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Who's Who Among Students in American Universities and Colleges, one of the highest honors that a student may receive at the University of Memphis

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Other Fees

Fees associated with housing rates, meal rates, admission fees, course fees and the Regent's Online Degree Program courses can be found at <http://bf.memphis.edu/finance/bursar/otherfees.php>

Foreign Language Placement Examination: The fee for taking a foreign language placement examination is \$160 minimum and an additional \$15 for each hour in excess of three (3) per course. These fees are non-refundable and must be paid prior to the examination.

Late Registration Fee: A late registration fee of \$100, which is not included in the Fee Schedule above, will be assessed to each student who does not complete registration by the semester's first day of classes.

Late Payment Fee: A late payment fee of \$100 will be assessed to each student who does not satisfy at least the initial installment amount of enrollment fees (50% of fees after all financial aid, scholarships and/or sponsorships have been applied for the fall or spring semester; 100% of fees for summer sessions) by the deadline dates noted at Fee Payment Schedule. The student's registration is subject to cancellation.

Payment Of Fees And Debts: Registration (enrollment) fees may be paid by cash, check, money order, Visa/MasterCard/Discover, Financial Aid/Scholarship Award(s), or University TIGER FUND\$ account. Fees may be paid as soon as the student registers for courses and are due by the fee payment deadline date noted at [Registration Fee Payment Deadline page](#).

The University offers a deferred (installment) payment plan to assist students with the payment of enrollment fees. Please refer to the [University's Installment Payment Plan](#) for enrollment fees.

It is expected that a check or draft given to the university, for any reason, will be honored by the bank on which it is drawn. A check or draft dishonored by the bank on which it is drawn may be presented a second time at the discretion of the University. A \$20 returned item fee will be assessed for any checks/drafts returned.

The privilege of making payments to the University by personal check and check cashing privileges will be revoked for any student who has had more than one returned check/draft within a twelve month period. The suspension of this privilege will be for a period of one year from the date the last item is redeemed.

A student will not be permitted to satisfy registration fees by check if any previous check in payment of registration fees has been returned. Students on a "NO CHECKS" status must be prepared to satisfy registration fees with cash, cashier's check, or by authorized credit card draft.

Eligibility for Deferment of Payment of Tuition and Fees by Certain Eligible Students Receiving U.S. Department of Veteran Affairs or Other Governmentally Funded Educational Assistance Benefits

Servicemembers, veterans, and dependents of veterans who are eligible beneficiaries of U.S. Department of Veteran Affairs education benefits or other governmentally funded educational assistance, subject to the conditions and guidelines set forth in Tennessee Code Annotated 49-7-104 as amended, may elect, upon formal application, to defer payment of required tuition and fees until the final day of the term for which the deferment has been requested. Application for the deferment must be made no later than 14 days after the beginning of the term, and the amount of the deferment shall not exceed the total monetary benefits to be received for the term. Students who have been granted deferments are expected to make timely payments on their outstanding tuition and fees balance once education benefits are being delivered, and eligibility for such deferment shall terminate if the student fails to abide by any applicable rule or regulation, or to act in good faith in making timely payments. This notice is published pursuant to Public Chapter 279, Acts of 2003, effective July 1, 2003.

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Indebtedness To University: Policy of the Tennessee Board of Regents prohibits the enrollment of any person who owes the university any amount of money. All outstanding financial obligations to the university must be satisfied before a student will be allowed to register for courses. Tennessee law prohibits the release of grades, transcripts or diplomas of any person having outstanding financial obligations to the university.

Refund Of Registration (Enrollment) Fees: The following refund percentages of enrollment fees (Maintenance, Out-Of-State Tuition, Materials, Applied Music, Nursing Clinical Practicum, Business, Engineering and other course fees, and Student Activity Fees) apply to students who withdraw from the university or who drop to an hourly load below full time:

- A. **100% Refund:** (1) A full (100%) refund of these fees will be provided until the semester's first day of classes, (2) for courses canceled by the University, and (3) in the case of the death of the student during the semester.
- B. **75% Refund:** A 75% refund will be provided beginning with the semester's first day of classes and extending for a period of time as noted at <http://www.tigerweb.memphis.edu> (click on Fee Payment).
- C. **25% Refund:** A 25% refund will be provided beginning at the expiration of the 75% refund period and extending for a period of time as noted at <http://www.tigerweb.memphis.edu> (click on Fee Payment).
- D. At the conclusion of the 25% refund period, there will be no refund of these fees.
- E. Students who receive Federal Title IV Funds and who withdraw from the University may be eligible for a refund of enrollment fees based on the Federal pro-rate refund calculation. Please refer to the Student Aid section of this Catalog for specific information on pro-rata refunds and the return of Federal Title IV Funds.

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Other Registration Fees

Residency Classification: All determinations concerning the classification of students as in state or out of state for fee purposes are made in the Office of Admissions. The determinations are based on the regulations and guidelines of the Tennessee Board of Regents. If, for any reason, there is a question about a student's residency classification for fee payment purposes, the student is responsible for requesting a review of his or her residency status before classes begin.

Academic Common Market: Participation in the Academic Common Market allows qualified students from southern states to pay in-state tuition while pursuing certain degree programs at the University of Memphis. This arrangement is available only for students whose home states do not offer the designated program. The state in which the student resides determines which of the programs offered by the University of Memphis the home state will make available to its students.

The Academic Common Market is sponsored by the Southern Regional Education Board (SREB). Participating states are Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia (Florida and Texas grant access for graduate level programs only). Current SREB common market guidelines and requirements may be found on the web at:
<http://www.sreb.org/programs/acm/acm/searchacm.asp>.

Students may request through their home state coordinators that additional programs be made accessible. A list of the state coordinators with their addresses and telephone numbers may be obtained from the Office of Curriculum Planning or the Academic Common Market web site <http://www.sreb.org/programs/acm/acm/searchacm.asp>.

In addition to certification requirements which the student's state of residence may specify, the following pertain: (1) students must be fully admitted to a degree program that has been approved as an Academic Common Market program (non-degree students are ineligible); (2) students must obtain a letter certifying residency term of entry and approval for the particular University of Memphis program from their state's Academic Common Market coordinator.

NOTE: After enrollment, students remain eligible for in-state tuition only so long as they are continuously enrolled-consecutive fall and spring terms- in the same major for which they were originally certified. If students change major, they must process a Change of Major through their advisor and notify the Office of Admissions to change the Academic Common Market residency code on their records. Failure to process the Change of Major and to notify Office of Admissions may subject the student to out-of state fees for all subsequent terms of enrollment in classes for a major other than the one for which the student received ACM certification. Missing a fall or spring term of enrollment or a change of major requires that the student be recertified through the ACM coordinator in the student's state or residence.

Fees For Totally Disabled Persons And Persons Over 60 Years Of Age: Persons who are domiciled in Tennessee and (1) have a permanent disability that totally incapacitates them from the potential to work at an occupation that brings them an income, or (2) who will become 60 years of age or older during the academic semester in which they begin classes, may AUDIT courses at the University of Memphis without paying tuition charges, maintenance fees, student activity fees, access fees, or registration fees. Admission to AUDIT will be limited on an individual classroom basis according to space availability.

Those who are totally disabled and those who will become 65 years of age or older during the academic semester in which they begin classes, and who are domiciled in Tennessee, may enroll for courses for credit at the cost of one-half the normal per credit hour fee, not to exceed \$70 per semester.

Direct inquiries regarding these programs may be addressed to Registration Service,

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room 003, Wilder Tower.

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Miscellaneous Fees

Music Industry Fees: Students who wish to apply for credit for experiential learning in Music Industry may obtain guidelines for this procedure from the Dean of the College of Communication and Fine Arts. A non-refundable \$25 contract advising fee will be charged for the assessment of the portfolio. See "Experiential Learning Credit Fees" for related fee information.

Credit By Examination or Placement Examination: The fee for taking an examination for credit or a placement examination is \$60 minimum and an additional \$15 for each hour in excess of three (3) per course. These fees are non-refundable and must be paid prior to the examination.

Experiential Learning Credit Fees: Students who apply for credit for experiential learning will pay a fee of \$30 per credit hour for which credit is awarded. For students enrolled under a group contract, a maximum fee of \$180 will be assessed for credits assigned under the terms of the contract.

Currently the University College and the College of Communication and Fine Arts award credit for experiential learning. See "[University College Experiential Learning](#)" and "[Music Industry Experiential Learning](#)" for more information.

Music Locker Rental: Music students are required to have a locker for storage of University-owned musical instruments or equipment. Personal instruments may also be stored in the locker. A fee of \$5 per semester is assessed for the locker rental. Students will be expected to pay for any damages.

Transcripts: There is no fee for your first twenty transcripts. Transcripts are issued only at the request of the student in person or by letter. No transcript will be issued for a student who has any unfulfilled obligations to the University.

Various Course Fees: Certain other course offerings may require various fees to obtain the necessary course related supplies.

Wall Lockers: University rental lockers are located in the following buildings: Engineering (first floor), and Jones Hall (basement and third floors). There is a \$5 per semester fee for the rental of wall lockers. Wall locker fees are paid at the Bursar's Office (115 Wilder Tower).

The listing of any fee or incidental charge in this publication does not constitute a contract between the University and the student. As a condition of registration, each student will pay the fees in effect for the semester for which he or she registers. All questions in regard to fees, fee payment, refunds, and appeals should be directed to the Bursar's Office (115 Wilder Tower).

Fees are subject to change without notice. The University will usually collect the amount of fees due at the time of enrollment fees satisfaction in accordance with the residency classification and fee rates in effect. After all enrollments are complete, any over-collections will be refunded and students will be billed for any under-collections.

Fees for AUDITING courses are assessed on the same basis as fees for credit courses. Courses offered between terms, for concentrated periods during a term, or at specific locations may be subject to fees on a per-hour basis only.

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Appeal Procedures

Appeal Procedures for Fees/Charges/Refunds: Any individual may appeal the assessment, application, calculation, collection, or interpretation of any University fee, charge deposit, or refund. The University has developed the following processes for an appeal:

Traffic Fines/Citations: Traffic fines and citations may be appealed through a separate process on forms available from the Parking Office, Office of Student Conduct, or the Student Government Association Office.

Residence Life and Dining Services: Appeals related to Residence Life and Dining Services financial matters should be filed first with the Office of Residence Life and Dining Services for processing. Decisions of the Office of Residence Life and Dining Services may be appealed in writing to the Office of the Assistant Vice President of Student Affairs and the Dean of Students. This decision may be appealed to the University Fee/Refund Appeals Committee.

All Other University Fees/Charges, Refunds, etc.: A written appeal of all other financial matters should be filed first on forms available from the Bursar's Office (115 Wilder Tower). The Bursar's office will provide a decision in writing to the appellant. Decisions of the Bursar's Office may be appealed in writing to the Office of the Assistant Vice President for Finance.

The Office of the Assistant Vice President for Finance will provide a decision in writing of those matters appealed to that office. This decision may be appealed to the University Fee/Refund Appeals Committee. The recommendation of the committee will be forwarded to the Vice President for Business and Finance for a final decision, which will conclude the University's appeal process.

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University ID Cards

The University of Memphis issues each student an identification card that bears the student's image and social security number. All students should obtain this permanent identification card that is used as the primary campus-wide method of determining privileges and accesses permitted each student. The ID card is required for the borrowing of library books, admission to or approval to pick up or purchase student tickets to athletic and social events, the sale of used text books, and other official purposes.

There is no charge to the student for the initial University ID card and it is automatically validated each semester the student enrolls. The card remains the property of the University of Memphis and should be surrendered upon the request of any University official. Each student may possess only ONE University ID card at any time.

There is no charge for the initial student ID card. There is, however, a \$10 fee to replace a lost or stolen card. The replacement fee can be paid at the Customer Service Window adjacent to 115 Wilder Tower. To obtain your replacement card, present your receipt and a photo identification to the Campus Card Office, 500 Wilder Tower.

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Tiger Fund\$

A personal TIGER FUNDS\$ account, which is accessed through the University ID card, is available to all students at the University of Memphis. TIGER FUNDS\$ is a declining balance money management program that provides students with a convenient way to obtain supplies and services on campus without the need to carry cash or the inconvenience of paying by check or credit card.

TIGER FUNDS\$ is accepted at numerous campus locations including the University Store, Health Center, and campus food service locations.

Additional information on the advantages and convenience of having a personal TIGER FUNDS\$ account may be obtained from the Bursar's Office in 115 Wilder Tower.

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Class Attendance

Instructors may use class attendance in computing grades. If they choose to do so, they must present all students attending the first and second class meetings with a complete written statement of their policy, detailing the weight of attendance in determining the final grade.

A student who is absent from the final examination without the permission of the teacher incurs a grade of "F" on the examination and may, depending on the weight of the examination in determining the final grade, incur a grade of "F" for the course.

Instructors will report to the Office of the Registrar all students who have not attended any class meetings during the first two weeks of classes (fall/spring) or the first week of classes (summer). About 2-3 weeks into both the fall and spring semesters, instructors will begin recording attendance. This is required for financial aid and veteran service reporting. After this process is underway, the Registrar's office will notify all students to check their reported attendance. Students accept both fee and grade liability at the time of registration. Students who do not attend classes are responsible for processing an official drop/withdrawal on [Student Self Service](#). In order to avoid fee or grade liability, students must drop/withdraw prior to the first day of classes for the session in which the course is taught.

Students who receive VA benefits or Title IV funds (federal financial assistance) for enrollment fees but who stop attending, may have current and future awards canceled and may have to repay benefits immediately, whether or not they officially withdraw or drop courses. Furthermore, students who stop attending will be assigned a grade of "F" in courses from which they have not officially withdrawn. Instructors report the last known date of attendance as the student's "unofficial withdrawal date."

Adding and Dropping Courses

After the official registration period is over, students may make adjustments in their schedules through the process of adding and/or dropping courses. Courses dropped through the 14th calendar day of sessions seven weeks or longer or the 7th calendar day of sessions shorter than seven weeks will not be shown on the student's permanent record. Courses dropped after these days will be shown on the permanent record with withdrawal grades of "W". A student may drop any course or courses up through the last day to drop specified in the [University Calendar](#) for that session. Requests for exceptions must be made by the end of the next regular term following the term in which the grade was assigned, and normally only as part of a request for withdrawal from the University. Exceptions are made only by the dean in the college in which the student is earning a degree, or by the dean's designee, and only on the basis of such extenuating circumstances as serious personal illness and relocation because of employment. To stop attending a class without officially dropping the course incurs the grade of "F".

A course may be added late only upon permission of the dean or designee in the college of the student's major, or the Academic Counseling Center for undeclared students. The student must also have the written permission of the course instructor.

Late Registration Policy

The University of Memphis allows late registration for a short period of time after the Regular Registration period has ended. The dates and deadlines vary by semester and can be determined by consulting the appropriate semester within the "Dates & Deadlines" calendar of the University's academic calendar. This policy only applies to students whose Academic Status is Good Standing or Academic Warning.

Students on Academic Probation, transferring on Probation, or returning from Academic Suspension, who are admitted to the University of Memphis but have not enrolled in classes, must be registered for classes prior to the first day of class. Research on the impact of registering late for classes has generally concluded that late registrants have higher course withdrawal rates, lower grade point averages, and lower retention rates.

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In an effort to retain students, improve academic success, and decrease the number of students placed on Academic Suspension, the University of Memphis recognizes that registering before classes begin is essential to promoting those goals.

Withdrawal From University

Any student who wishes to officially withdraw from the University may do so on the web, or in person through the Office of the Registrar in Student and Faculty Services, room 003, Wilder Tower. Failure to officially withdraw will result in grades of "F" for the courses in which the student is enrolled.

NOTE: Withdrawal is not permitted beyond the last day to withdraw specified in the University Calendar for that term or session. Requests for exceptions must be made by the end of the next regular term following the term in which the grade was assigned. Exceptions are made to this policy only in cases of such extreme circumstances as serious personal illness and relocation because of employment. Withdrawal requests after the deadline should be filed in the dean's office of the student's major college or the Academic Counseling Center for students with no declared major.

Enrollment Transactions

Enrollment transactions include registration, adding and dropping courses, and withdrawing from the university. The official date shall be the date that the request is submitted to the Office of the Registrar, subject to the final review and approval of the Vice Provost for Enrollment Services. If the final review reveals any apparent violation of the University's academic regulations and/or contractual relationships between the University and the student, the Vice Provost for Enrollment Services has the authority to suspend the transaction pending joint review with the college dean, the department chair, and the student's academic advisor. If the joint review verifies the legitimacy of the transaction, the official date will be that originally established. If the joint review culminates in a finding that academic regulations and/or contractual relationships have been violated, the entire transaction may be permanently invalidated.

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Classification of Students

Classification of students is based on the number of college level credit hours earned as shown in the following table.

Classification	Semester Hours
Freshman	0-29
Sophomore	30-59
Junior	60-89
Senior	90 or more
Special	Students not working on a degree

In order to avoid a possible delay in graduation, students who have completed the required number of hours to be classified as juniors but who have not completed their basic requirements in the Lower Division should schedule these uncompleted requirements during the first semester in which such courses are available.

Credit Hours, Full-Time Classification, and Maximum Load

The unit of credit at the University of Memphis is the semester hour. A semester hour is defined as the credit earned for the successful completion of one hour per week in class for one semester; or two to three hours per week of laboratory for one semester. (A course which gives three semester hours credit will normally meet for three lecture or recitation hours per week, or for two lecture or recitation hours and two-three laboratory hours per week; or for some other combination of these.) Each lecture hour presupposes a minimum of two hours preparation on the part of the student.

The minimum credit hour load for classification as a full-time student is 12 credit hours for a term (all sessions combined for fall, spring, or summer). The maximum loads are found on the maximum credit load page by clicking [here](#). The maximum credit hour load includes all course enrollments for any term, both at the University of Memphis and any concurrent enrollment at other institutions. It does not include credit by examination. No student is permitted to enroll for correspondence or extension courses while carrying a maximum credit hour load.

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Credit Hour

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Maximum Credit Hour Load

	Maximum Hours*
Fall or Spring	20.5
Summer	23
Individual Session Maximums	
First or Second Fall or Spring	10
Pre Summer or Three Week Session	7
First or Second Summer	9
Full Summer	16

Enrollment of less than 12 hours total (all sessions) for any Fall, Spring, or Summer term is defined as being less than full-time. Maximum hours should not exceed individual session limits or the term maximum.

* Students must have approval from the appropriate official in their degree-granting college for hours in excess of the maximum.

NOTE: ID card validation of full-time for student activity purposes is based on a minimum of six credit hours per semester and does not necessarily constitute a full-time academic load.

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Grades and Quality Points

At the end of each session, instructors report to the Office of the Registrar the standing of all students in their classes. The grade of a student in any course is determined by class standing and examination, combined in such proportion as the instructor in charge of the course may decide. The instructor's grading scale will be provided to students on the course syllabus.

The instructor's evaluation of the student's work is expressed by the following grades which are converted to quality points for the purpose of averaging grades.

Grade	Quality Points
A+	4.00
A	4.00
A-	3.84
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D+	1.33
D	1.00
F	0.00
W (Withdraw)	0.00
I (Incomplete)	0.00
NR, None Reported	0.00
NC, No Credit	0.00
*IP, In Progress	0.00
*S, Satisfactory	0.00
*U, Unsatisfactory	0.00
T (see below)	0.00
AU, Audit	0.00
CR, Credit	0.00

*Grades used to postpone or suspend course completion include "I" (Incomplete), "IP" (In Progress), and "W" (Withdrawn).

Independent studies courses, student teaching, workshops, practical, and internships should be graded "A-F, IP" or "S/U, IP." A grade of "S," "U," or "IP" does not carry any quality points and is not included in computing GPA. All courses for which the student is registered are recorded as passed (with a letter grade), "T", failed, dropped, withdrew, audit, credit, no credit, satisfactory, unsatisfactory, or incomplete. In no case is credit allowed in any course for which the student is not properly registered.

Grade of Incomplete: The grade of "I" (Incomplete) may be assigned by the faculty member in any course in which the student is unable to complete the work due to extraordinary events beyond the student's control that are acceptable to the faculty

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member. The "I" may not be used to extend the term for students who complete the course with an unsatisfactory grade. Unless the student completes the requirements for removal of "I" within 45 days from the end of the semester or summer term in which it was received (see University Calendar), the "I" will be changed to "F," whether or not the student is enrolled. The faculty member, with the approval of the department chair, may grant up to a 45-day extension if sufficient extenuating circumstances exist. At the end of the extension period, the "I" will automatically revert to "F" if the student has not completed the requirements. The student will be certified for graduation only when all requirements are met, including the removal of "I" grades. For students who have an "I" in a course required to fulfill degree requirements in the semester in which they expect to graduate, the certification process and graduation will automatically be deferred to the next term.

In Progress: In courses with "In Progress" (IP) grading, faculty members may assign "IP" to extend the time permitted for completion of research or course requirements. A student awarded an "IP" grade must re-enroll in the course for the same number of hours to complete the work. The final grade will be submitted by the faculty member at the end of the term in which the work is completed. This should be the semester following the "IP" grade.

Grade Changes: Grades properly issued in a course by the faculty member of record will not be altered except when an error was made in computation or reporting or as a result of a formal grade appeal. A grade other than "I" may not be changed as a result of additional work after a grade has been submitted to the Office of the Registrar. The Grade Appeals procedure is described below.

"T" Grade: The "T" grade allows students to complete independent studies courses in variable time periods that might exceed a regular enrollment period. The following procedure governs the use of the "T" grade:

1. Prior to the registration period, the faculty member obtains approval of the department chair and dean to use the "T" grade in a course(s).
2. The dean notifies the Office of the Registrar of courses for which the "T" grade may be awarded.
3. At the end of the regular term, the faculty member has the following options:
 - a. Award grades A-F.
 - b. Award an "I" grade if the faculty member feels that the work can be completed in 45 days. (If an "I" grade is awarded, a roster with the student's name on it will be sent to the faculty member during the 45-day period. The faculty member must record either "A" to "F" for the "T" grade to prevent an automatic assignment of "F.")
 - c. Award a "T" grade. If the "T" grade is awarded, the student must re-register for the course in order to earn credit. The "T" grade is not used in the computation of GPA.

Grade Reports

Current semester grades may be obtained on Student Self Service. Grades are normally available by the Thursday after the last day of the exam period for the session.

Withholding of Grade Reports

The University is required by State law to withhold grade reports, transcripts and diplomas from students who have outstanding financial obligations to the University. When financial obligations have been resolved, students may obtain their grades on Student Self Service.

Repetition of Courses

A student may repeat most courses in an attempt to improve the grade previously earned. There are some courses that may not be repeated for this purpose. Information concerning these courses may be obtained from the office of the chair of the department in which the course is offered. In some degree and major programs, there are restrictions on course repetitions even after drops or withdrawals. The student should *always* check with the major advisor before enrolling in a course a second or subsequent time(s).

The University is not obligated to allow substitutes for repetition of courses, which have been deleted from the curriculum. Credit by examination may not be used for the purpose of improving a grade previously earned in a course taken for credit.

Grades earned in the second and each subsequent attempt will count towards the student's GPA. However, only earned hours from the final attempt are counted in the cumulative earned hours.

A student may not attempt the same course more than three times. Exceptions to this

policy will be granted only on appeal to the dean of the college in which the course is offered.

The record will continue to reflect grades for all attempts of repeated courses with the appropriate repeat notations.

Courses repeated after a degree is awarded may not be used to replace grades earned prior to the awarding of the degree.

The Office of the Registrar's website gives detail information on how GPA and earned hours are computed on courses that have been repeated. This page can be accessed [here](#).

Audit Courses

Students who are admitted to the University of Memphis may register to audit a course with the prior approval of the instructor and the department chair. Students enrolling on an audit basis do not receive academic credit for that course. Particularly in high-demand courses, departments should make sure that students who need these courses for degree credit can be accommodated before they issue permits for audits. Audits should not be used simply as a vehicle for obtaining access to laboratory or studio facilities.

Auditors are not required to take examinations and do not receive a regular letter grade. There should be a precise agreement between the student and the instructor as to the extent and nature of the student participation in the course, including class discussions, projects, and readings. Students auditing a course will receive "AU" (Audit) on the transcript only if they have attended regularly and participated according to the prior agreement with the instructor.

A student may not change from a grade point to an audit or from an audit to a grade point basis after the last day to add classes for that session. Any questions concerning this policy should be referred to the colleges.

Fees for audits will be assessed on the same basis as fees for credit courses.

Credit/No-Credit Courses

The University, wishing to encourage students to broaden their range of interest without jeopardizing their grades, allows students who have earned at least 60 semester hours with a minimum grade point average of 3.0 to enroll in credit/no-credit courses. For this purpose, students may take up to 8 hours of coursework on a credit/no credit basis provided that these courses are unrestricted electives. Specifically excluded are general education, college, major and degree requirements and requirements for a minor. A student taking a course on a credit/no-credit basis must meet the prerequisites for that course as set forth in the Catalog, or have permission of the instructor.

- Neither a credit nor a no-credit grade is counted in a student's grade point average, but, like all other grades, is entered on the permanent record.
- Credit (CR) grade is given for "C-" or better work on the traditional grading scale and no-credit (NC) is given for less than "C-" work.
- The student only receives credit in the course if credit (C- or better) is received.
- A student may not repeat a course for credit/no-credit if the student received a conventional grade (A-F or S).

Students who transfer from one college to another should be aware that credit/no-credit hours may be accepted in one college and not in another. In every instance, approval to register for a course on a credit/no-credit basis must be obtained from the advisor and the dean of the student's degree-granting college prior to registration for that class.

With approval, a student who registers for a course on a credit/no-credit basis may change the registration to a letter grade point basis only during the add period, and a student who registers for a course on a letter grade point basis may change the registration to a credit/no-credit basis only during the add period for the term or session of the course. The student who successfully completes a credit/no-credit course will receive the appropriate number of hours as credit toward graduation. These hours will not be used in the computation of the grade point average.

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Undergraduate Grade Appeal Procedure

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Purpose of the Undergraduate Grade Appeals Procedure

The responsibility for evaluating student work and assigning grades lies with the instructor of the course. The purpose of the grade appeal procedure is to provide a review process 1) for a student to understand the reasons why the grade was assigned, 2) for the instructor to become aware of and correct possible errors, 3) for appropriate supervisors at the department and college level to review the basis on which a grade has been awarded and to correct cases in which a grade is determined to have been assigned based on arbitrary or capricious action, or other reasons not related to academic performance. If, after departmental and college review, the grade is still in dispute, an appeal may be submitted to the Undergraduate Grade Appeals Committee, which consists of faculty and student representatives, for final resolution.

In all cases of a disputed grade, the student has burden of proof that the grade assigned was not appropriate. If the case has not been resolved at the student/instructor level, then the student should submit a written petition that would include a copy of the syllabus along with copies of any tests, quizzes, assignments or other written work completed and graded as part of the class requirements to the appropriate step of review. At each step of further review, copies of any previously submitted materials and any written responses to those petitions should be included.

It is important to distinguish grounds for grade appeal from questions about quality of instruction. Successful grade appeals should be based on evidence that the student performed at a level sufficient to warrant a different grade. It is important for students to bring to the instructor's and the department's attention perceived deficiencies in instruction, but these by themselves do not normally warrant a change in grade. For a successful grade appeal, the student should be able to show, for example, not that the student could have earned a grade of "B" under different circumstances, but rather that the student actually did earn a grade of "B" according the standards set out on the syllabus for that course, but was assigned a lower grade. If, in the opinion, of the department or the college, deficiencies in instruction are so grave as to warrant an alternative accommodation, then the proper remedy will normally involve alternative assignments or examinations to allow the student the opportunity to demonstrate the appropriate level of competency in that area to earn a different grade than the grade originally assigned. The decision about these cases should be made at the departmental or college level. In disputed cases where the appeal is based primarily upon perceived quality of instruction, the Undergraduate Grade Appeals Committee has the option of referring the case directly to the Vice Provost for Undergraduate Programs.

Procedures

A student wishing to appeal a grade must follow Steps 1-4 listed below. (The deadlines listed below apply to the dates when classes are in session during the fall or spring semesters.) If a student fails to observe the deadlines, the decision made in the previous step will be final. If a department or college fails to respond to the student's complaint within the deadline, the student should contact the Office of the Vice Provost for Undergraduate Programs. The deadline for filing the appeal should be extended appropriately to ensure that the student retains the opportunity to pursue the appeal at the next step. All correspondence and records will be retained in the office in which the complaint is resolved.

Step 1: The student should first consult with the instructor, at the latest within two weeks of the beginning of the subsequent fall or spring semester, in an effort to provide a satisfactory resolution of the complaint. If the student cannot schedule a meeting with the instructor, the student may contact the department chair, who will schedule the meeting between the student and the instructor. The only exception to this step is the case in which the instructor is unavailable. In this case, the student may proceed directly to Step 2.

Step 2: If the complaint is not resolved in Step 1, the student may present the

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complaint in writing by the end of the third week in the semester to the chair of the department in which the course was offered. Included in the petition the student should attach the appropriate materials described above, and if available, the instructor's written explanation for the assigned grade. The department chair will attempt to resolve the complaint in consultation with the instructor and the student. The department chair will provide a written response to the student within two weeks from the time the written complaint has been received. If the department chair was the instructor of the course, the student may proceed directly to Step 3.

Step 3: If the complaint has not been resolved at the departmental level, the student may appeal further by presenting a written petition to the dean of the college in which the course was offered, along with a copy of the materials presented at the previous stage and any written responses received from the department. At the latest, this petition should be presented within one week after the departmental response. Within two weeks of the time the complaint was received, the dean may use any resources available to resolve the conflict.

If the dean finds that the request does not have merit, the dean shall notify the student in writing, with copies sent to the instructor and the department chair. If the dean and the department chair agree that the grade should be changed, the dean shall be empowered to change the grade without the instructor's consent. Either the student or the instructor may appeal this decision in Step 4. If the dean and the department chair do not agree, the dean shall present his or her view in writing to the student, with copies to the instructor and the department chair, so that the student may include that information in an appeal to the Undergraduate Grade Appeals Committee for final resolution of the complaint.

Step 4: If the complaint has not been resolved through the previous steps, the student may present a grade appeal petition addressed directly to the Undergraduate Grade Appeals Committee through the Office of the Vice Provost for Undergraduate Programs. Copies of written materials and petitions presented at the previous steps, along with any written responses received from the department or the college, must be included with the petition at the time of submission. The deadline for submission of a petition is March 15 for grades awarded during the previous fall term, and October 15 for grades awarded during the previous spring or summer terms. (The Grade Appeals Committee does not meet during summer months.) The Office of the Vice Provost for Undergraduate Programs will forward the petition along with the attached materials to the chair of the Undergraduate Grade Appeals Committee, who will distribute copies to the members of the Committee.

The Committee members shall review the petition and the attached materials and then forward their recommendation to the chair of the Committee about whether a hearing is warranted in this case. If a majority of the Committee does not vote that the case merits a hearing, the grade stands as issued. If a majority of the Committee votes in favor of a hearing, the chair of the Committee shall inform the student and the instructor, and shall arrange a hearing to be attended by the student, the instructor, and the members of the Undergraduate Grade Appeals Committee or their designated alternates. Copies of the Committee's decision for the hearing shall be sent to the department chair and dean of the college.

Prior to the hearing, the instructor should be given a copy of the student's petition and supporting materials. If members of the Committee feel that additional factual information is needed prior to or after the hearing to render a decision, the chair of the Committee should inform the Office of the Vice Provost for Undergraduate Programs of that request in writing, and that office should make every effort to provide that information in writing to the Committee. At the hearing, first the student and then the instructor will each have the opportunity to present their cases orally and to present any other written materials they deem appropriate. The Committee members shall have the opportunity to ask questions to both the student and instructor. At the end of the meeting, the student and then the instructor shall be given the opportunity for brief closing statements.

The chair of the Committee should inform the student, the instructor, the department chair, the college, and the Office of the Vice Provost for Undergraduate Programs of the Committee's decision in writing within one week of the hearing. If a majority of the Committee agrees that the grade should be changed, the Office of the Vice Provost for Undergraduate Programs will notify Student Records of the grade change. Otherwise the grade shall remain as recorded. The decision of the Undergraduate Grade Appeals Committee shall be final.

The Undergraduate Grade Appeals Committee shall be composed of seven members and seven alternates constituted as follows:

A chair designated by the Vice Provost for Undergraduate Programs, a faculty member and alternate designated by the dean of the college involved, two faculty members and two alternates designated by the Faculty Senate, one student and one alternate designated by the college, two students and two alternates selected through the

Student Government Association.

Although the primary responsibility of the Committee is to review grade appeals and assign the appropriate grade in cases where the appeal is upheld, the Committee shall also report any findings of discrimination or prejudice to the Office of the Vice Provost for Undergraduate Programs for further consideration and possible action.

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Computing GPA

Computation of a student's college-level undergraduate grade point average includes all courses attempted except credit/no-credit, audit, incomplete, developmental, and satisfactory/unsatisfactory courses and "T" grades. As an example: a student carrying five three-semester-hour courses for a total of 15 semester hours makes the following grades: A, B, C, T, F, thus accumulating grade points in the amount of 12, 9, 6, 0, 0, for a total of 27. To compute the grade point average, divide the number of quality hours (except "T" grade) (12) into the grade points earned (27) for an average of 2.25.

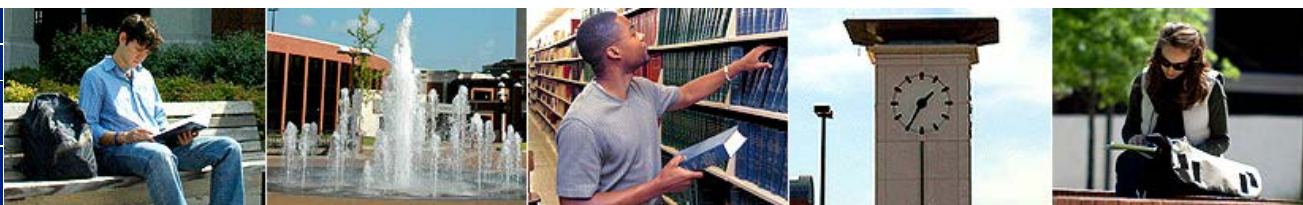
The Office of the Registrar's website gives detail information on how GPA and earned hours are computer on courses that have been repeated. This page can be accessed [here](#).

Graduation: A minimum 2.0 grade point average on all college-level work attempted is required for graduation.

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Academic Fresh Start

An ACADEMIC FRESH START is provided for undergraduate students who have gained maturity through extended experience outside higher education institutions and have demonstrated better than average academic performance following their return to the University of Memphis. It allows for the calculation of the applicant's grade point average and credit hours toward graduation to be based only on work completed after returning to college. Preliminary information and application forms may be obtained from the Center for Academic Retention and Enrichment Services. Requirements to be satisfied by a student requesting an Academic Fresh Start toward a baccalaureate degree are as follow:

- Separation from all academic institutions for at least four years.
- Formal application must be made prior to completion of 24 semester hours of earned graded course work following the readmission or admission to the University of Memphis. (NOTE: A student must complete at least fifteen (15) semester hours prior to applying for an academic fresh start.)
- Developmental studies courses (DSP) will not count toward the 24 semester hours of earned course work.
- The applicant must complete at least 6 semester hours of earned graded course work within one semester.
- Only courses for degree credit may be counted.
- At the time of application for ACADEMIC FRESH START, the student must have a GPA of at least 2.50 for all work attempted after returning to college.
- Formal application describing the academic degree plan must be submitted to the Center for Academic Retention and Enrichment Services. (NOTE: The student should schedule an appointment in order to submit the application and academic plan with the Center for Academic Retention and Enrichment Services (CARES) the semester prior to completing 24 semester hours. The application can be found on the Forms link.)
- After the academic plan is reviewed, the Center for Academic Retention and Enrichment Services will instruct the student of the process to forward the plan to the appropriate college dean for approval.

Upon approval by the college dean, the student will be granted an Academic Fresh Start. It may be granted once. The student's permanent record will remain a record of all work; however, the student will forfeit the use for degree purposes at the University of Memphis, any college or University credit earned prior to the four-year separation indicated above. The date of the fresh start will coincide with the date of re-entry following prolonged separation, and the permanent record will note that a fresh start was made and the date of the fresh start. The record will also carry the notation, "GPA and credit totals are based only on work beginning with that date." That date will be treated as the date of entry in determining which Catalog may be used for graduation.

The University of Memphis honors academic fresh start completed at other accredited institutions of higher education.

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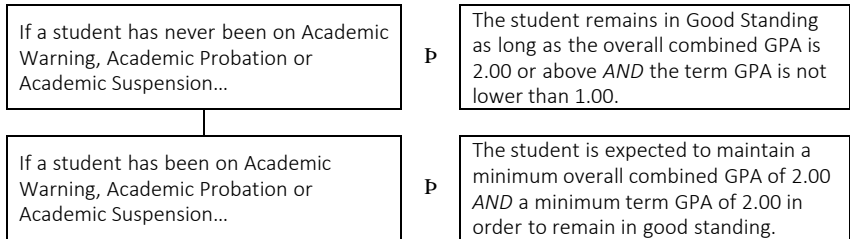
Center for Academic Retention and Enrichment Services

The academic progress of students at the University of Memphis is monitored at the conclusion of each term enrolled to determine their academic status. Students' overall combined grade point average *AND* term grade point average are considered in determining status. There are four progressive levels of academic status:

- (1) Good Standing
- (2) Academic Warning
- (3) Academic Probation
- (4) Academic Suspension

Good Standing

Students are in Good Standing at the University of Memphis unless placed on Academic Warning, Academic Probation or Academic Suspension.



Academic Warning

Students can be placed on Academic Warning *ONLY ONCE* during their enrollment at the University of Memphis. After completing seven (7) hours of coursework, students will be placed on Academic Warning when their overall combined GPA is below 2.00 *OR* the term GPA is below 1.00. Once students receive an Academic Warning, they must maintain Good Standing or they will be placed on probation or suspension.

Students on Academic Warning must:

1. Successfully complete a workshop and pass the related quiz; and
2. Submit an Enrollment Agreement with the Center for Academic Retention and Enrichment Services, and satisfy the requirements in the Agreement.

Failure to satisfy these requirements will lead to administrative withdrawal from all classes for any future terms.

Academic Probation

Any student who has ever been placed on Academic Warning status will be placed on Academic Probation if:

- Their overall combined GPA is below 2.00, *OR*
- The term GPA is below 2.00.

NOTE: Students who have regained Good Standing after an Academic Warning are placed on Academic Probation, if, in any subsequent term, their combined GPA falls below a 2.00 *OR* the term GPA below 2.00.

First Academic Probation

All students placed on Academic Probation for the first time will be required to:

1. Enroll in a one (1) credit hour Student Success Seminar;
2. Submit weekly academic progress reports to their counselor during the term; and
3. Must follow all requirements of the Center for Academic Retention and

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Enrichment Services including referral to campus services such as tutoring, study skills workshops, etc.

Continuing on Probation

Students will remain on Academic Probation if the term GPA is 2.00 or higher but the overall combined GPA remains below 2.00.

Subsequent Probation(s)

Students who are placed on probation more than one time will have to complete a Conditional Enrollment Agreement with the Center for Academic Retention and Enrichment Services. During this probation, students will be required to have an overall combined GPA of at least 2.00 *OR* a term GPA of at least 2.00 in order to continue enrollment.

Academic Suspension

Students on probation will be suspended in the following term if their overall combined GPA is below 2.00 *AND* the term GPA is below 2.00.

Students on academic suspension can apply for readmission only after the following **minimum** periods:

- for the first suspension, one regular term (fall or spring).
- for the second suspension, one calendar year.

After a second suspension, a student may be ineligible for further enrollment at the University of Memphis.

Students on academic suspension who apply for readmission must participate in a counseling interview. Deadlines for readmission after suspension are strictly enforced.

Coursework taken at another accredited college or university will be used in determining eligibility for readmission. Students who left the university on academic suspension must fulfill all previously attempted high school deficiency and remedial and developmental coursework requirements before they will be considered for readmission.

Students readmitted after Academic Suspension must sign a Conditional Enrollment Agreement and follow all requirements established by the Center for Academic Retention and Enrichment Services. Failure to follow these requirements will lead to administrative withdrawal from all classes.

The Center for Academic Retention and Enrichment Services, 500 Wilder Tower, is responsible for the administration of this policy.

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Recognition for Academic Performance

The University of Memphis recognizes outstanding academic performance in a variety of ways. In addition to those listed below, there are other honors and awards listed in the descriptions of the various honors programs.

The Dean's List

The Dean's List is composed of those students who have 12 or more earned hours in the fall or spring semesters with a minimum grade point average of 3.5 for that semester.

Graduation With Distinction

Students who intend to achieve Graduation with Distinction must do the following:

1. Fulfill all graduation requirements at the University of Memphis.
2. Complete a minimum of forty-two (42) semester hours at the University of Memphis by the time of graduation.
3. Earn the following overall grade point average on all college level courses to achieve the listed designations:

3.2500-3.4999 Cum Laude

3.5000-3.7999 Magna Cum Laude

3.8000-4.0000 Summa Cum Laude

*The actual conferral of Graduation with Distinction cannot be made until the student's final overall GPA at the University of Memphis has been certified by the College/School. Transitional Academic Studies courses (DSP) are not considered in calculating eligibility for Graduation with Distinction. College level courses used to satisfy high school deficiencies will be considered in the computations to determine eligibility for Graduation with Distinction.

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Privacy Rights of Parents and Students

The [Family Educational Rights and Privacy Act of 1974](#), with which the University complies fully, is designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

The provisions for the release of information about students and the rights of students and others to have access to the University of Memphis education records are published in their entirety in the University of Memphis Procedure "Privacy of Education Records" which is available in the offices of the Registrar and the University Counsel.

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Credit Transferred from Other Institutions

1. Transfer Credit for Previous Instruction

Credit from post-secondary institutions will be granted and applied toward degree requirements only when it is for courses that are substantially equivalent to those offered at the University of Memphis. Credit not equivalent to courses at the University of Memphis may be posted to the student's record and may be used as elective credit or as determined by the dean of the college from which the student is to graduate. After the student has been approved for admission as a regular undergraduate, the Office of Admissions will evaluate credit for University-wide use. The office of the dean in each college has the authority for determining the use of acceptable credit toward specific degree programs in that college.

The University of Memphis accepts transfer credit for college-level courses taken at accredited institutions of higher education. Student petitions for transfer credit for courses completed at institutions that are not regionally accredited are considered on a case-by-case basis. The student must present a petition in writing to the Office of Admissions at the University of Memphis with a list of courses for which credit is desired. The student must provide transcripts from the institutions, documentation from each course that includes the course content, course level, contact minutes, the standards for assessing student work, and documentation of the academic credentials of the course instructor. Based on an examination of these materials and after consultation with the appropriate academic department or college, the Office of Admissions will review the student's petition and provide confirmation of those courses that have been approved for transfer credit.

2. Earning Transfer Credit after Enrollment at the University of Memphis

University of Memphis students considering taking courses at other institutions should consult the transfer [articulation tables](#) to see how the course will transfer to the University of Memphis. All enrolled students must have Section I of the Transfer Credit Request completed by the student. For institutions and courses that are not listed on those tables, students must complete Sections I-II of this form before enrolling in the course to find out whether the course will transfer to the University of Memphis and how it will count toward their degree programs. An approved Transfer Credit Request serves as assurance that the course will transfer and how it will count toward the desired requirement. Students do not have any guarantee that courses not listed on the articulation tables will transfer or how they will count toward the students' degrees without an approved Transfer Credit Request form.

Before credit earned at another institution can be transferred and recorded on a permanent academic record, the student must have an official transcript from the institution mailed to the Admissions Office.

The maximum credit hour load allowed for any term includes all course enrollments both at the University of Memphis and any concurrent enrollment at other institutions. (See "Credit Hours and Maximum Load")

3. Transfer Credit for Distance Education

Credit from other institutions for distance education courses taught by independent study, on-line computer instruction, or other methods, is evaluated in the same manner as transfer credit for classroom-based instruction. As with other transfer credit, students enrolled as regular undergraduates must seek prior approval from the dean of the college from which they are to graduate before taking courses to meet degree requirements at the University of Memphis.

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Additional Means of Earning Credit

1. Credit for Selected Secondary School Courses

a. [Advanced Placement Credit](#)

The University of Memphis participates in the Advanced Placement Program of the College Entrance Examination Board. Appropriate credit is awarded for scores of 3, 4, or 5. Advanced placement credit may also apply to certain university requirements and to major requirements. Information about credit awarded may be obtained from the Admissions Office and the Office of Admissions website.

b. [International Baccalaureate Program](#)

The University of Memphis recognizes secondary students' participation in the International Baccalaureate Program and awards college credit for completion of selected courses. To be eligible for credit, students must earn a score of 4 or higher. Information on credit awarded is available in the Admissions Office.

2. Credit for Instruction in the Armed Services

An official evaluation of armed services instruction is made after a student is accepted as a regular undergraduate student. Credit awarded for completion of services schools will be governed by recommendations at the baccalaureate level from the current Guide to the Evaluation of Educational Experience in the Armed Services. Military transcripts, for example SMART or AARTS, must be presented to the Office of Admissions. Upon presentation of a copy of the veteran's report of separation (DD Form 214) to the Office of Admissions, six semester hours of health and physical education credit will be awarded. Veterans with less than one year of continuous full-time service who have completed basic training while on active duty will be awarded credit as recommended in the Guide to Evaluation of Educational Experiences in the Armed Services.

3. Credit for Non-collegiate Sponsored Instruction

Credit is awarded for non-collegiate sponsored instruction offered by corporations, associations, labor unions, government agencies, and training providers which has been evaluated by the National College Credit Recommendation Service of the American Council of Education and recommended in the current NCCRS guide. The Office of Admissions should be contacted for information.

4. Credit by Examination

Credit by examination is awarded based upon standardized examinations and upon examinations administered by departments of the University for specific courses and for placement. Students may not take an examination for credit in a course previously taken for credit, with the exception of lower division transfer courses that the student wishes to validate for upper division credit. Students may, however, take an examination for credit in a course that was audited or in courses at a lower level than a course taken for credit.

a. [CLEP and DANTES Standardized Examinations](#)

The University of Memphis awards credit for standardized examinations of the College-Level Examination Program (CLEP) of the College Board and for standardized examinations of the Defense Activity for Non-Traditional Education Support (DANTES). Credit awarded is based upon credit recommendations and minimum scores recommended by the American Council on Education. CLEP and DANTES credit may also apply to certain University requirements and to major requirements. For information on credit awarded, test dates, and fees, contact the Testing Center.

b. [Departmental Examinations](#)

Almost all courses in the undergraduate curriculum, except for those with laboratory,

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research, or performance requirements, are available for credit by examination. Students who believe that they have already mastered the material of a particular course offered at the University of Memphis may take a departmentally administered examination for credit in that course.

To apply for credit by examination, a student must be enrolled at the University of Memphis and have a GPA of 2.00 or above. An eligibility form may be obtained in the Office of the Registrar - Records Analysis. Permission to take a credit examination must then be obtained from the chair of the department in which credit is sought and from the dean of the college in which the student is seeking a degree. Students pay \$60 per course, plus \$15 per credit hour in excess of three (3) credit hours per course (see Fees and Charges) prior to taking the exam. To receive credit, the student's examination grade should be the equivalent of a "C" or above. Credit is indicated on the student's record as CR.

5. Upper Division Credit by Validation Examination

Credit for courses at the freshman or sophomore level is transferred as lower division credit even though the content may be equated to University of Memphis upper division (junior/senior) level courses in some cases. In order to receive upper division credit for a lower division course that has an upper division equivalent, the credit must be validated through appropriate departmental examinations, portfolios, or other documentation. Contact the department to see if this option is available, to make application and to obtain information. There is no fee for validation examinations.

6. Credit for Course Placement and Completion

Some departments offer the opportunity to receive credit by course placement and completion for selected courses. Students who receive prior approval from the department chair may enroll in a University of Memphis course at the level for which they feel previous instruction or experience qualifies them. Upon completion of the course, they receive credit for certain sequential courses numbered lower than the one in which they enrolled. Recording of credit for the lower numbered course(s) is contingent upon completion of the higher level course with a minimum grade of "C". Upon completion of the course, approval of the chair of the department and payment of fees are required for credits to be recorded. (See Fees and Charges)

In the Department of Foreign Languages and Literature, students whose first college-level course in a language is 2010 may apply for credit for 1020 in that language. Students whose first college-level course is 2020 may apply for credit for 1020 and 2010 in that language, and those whose first college-level course in a language is a 3xxx course in composition and/or conversation may apply for credit for 1020, 2010, and 2020 in that language.

7. Credit for Experiential Learning by Assessment

Students seeking degrees in the College of Communication and Fine Arts, the College of Education, Health and Human Sciences, and University College may be granted credit for college level knowledge and understanding related to the student's major area of study and gained from work experience, life experience, or non-college instruction. The student who wants an assessment of such learning prepares a portfolio that describes and documents the learning. Portfolios are assessed by faculty who teach in that area.

Assessment by portfolio is reserved for knowledge and competencies which do not readily fit into the credit by examination procedures described above. More detailed information about procedures may be obtained from the individual colleges. For fee information, see Fees and Charges.

8. Credit for English Composition

The University of Memphis awards 3 hours of credit for ENGL 1010 English Composition to students with an ACT English subscore of 29 or above. Students who have previously taken ENGL 1010 and earned a passing or failing grade are not eligible. ACT scores are valid for 3 years.

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Freshman Admission Requirements

First-time Freshman Applicants

A high school graduate who has no previous college enrollment may be considered for admission as a first-time freshman by completing the application for admission and submitting the following to the Admissions Office:

1. A final transcript of all high school credits: Early decisions can be made by submitting partial transcripts (6th or 7th semester). Transcripts hand delivered by the student are not acceptable for the admissions file. If any courses have been taken for college credit, the institution(s) granting credit must be contacted by the applicant and asked to send an official transcript to the University of Memphis, Office of Admissions. Students who do not present one unit of American History are required to register for the course during their first or second year at the University.
2. The score report of the American College Testing program (ACT) or the Scholastic Aptitude Test (SAT): The score report is a necessary part of the application and the test date should be no more than three years old at the time of enrollment.
3. A non-refundable application fee of \$25.00.
4. Any additional items and information requested in the application materials by the Office of Admissions.

High School Curriculum Required For Admission

No high school curriculum can assure that a given student will acquire desired learning outcomes; however, the absence of certain components greatly increases the likelihood that the student will not acquire those outcomes and reduces the likelihood that the student will enjoy maximum benefits of a college experience. The justification for colleges' recommending or requiring specific high school units for admission is to reduce the likelihood that a student will be unprepared for effective work in college and to increase maximum benefits a student may enjoy.

The following specific high school units must be included in the minimum admissions requirements at all Tennessee State Board of Regents universities and colleges.

Students who do not take one or more of these required courses, where they are available, may not be eligible for admission to the University.

- **English (4 units required):** Units in this category must address reading and literature, writing, speaking and listening, and principles concerning the English language. Extensive experience in reading and writing should characterize all courses.
- **Visual And/Or Performing Arts (1 unit required):** Units in this category should include a survey of the arts (visual arts, theater, music, and dance) or active participation in one or more of the arts.
- **Mathematics (3 units required):** Units in this category must include Algebra I, Algebra II, and geometry or an advanced course with geometry as a major component. Students are recommended to take a fourth unit in computing, advanced mathematics, or statistics. All college freshmen will benefit by having studied mathematics as seniors.
- **Natural And Physical Sciences (2 units required):** Units in this category must include mathematical skills, fundamental concepts, and some laboratory and field work. At least one unit must address detailed knowledge in the more traditional fields of biology, chemistry, or physics and must include a laboratory.
- **Social Studies (1 unit required):** For students graduating prior to spring 1993, the unit in this category may include: history, government, geography, economics, sociology, psychology, or anthropology. For students graduating in the spring 1993 or thereafter, this unit must come from the following: modern history, ancient history, world history, world geography, or European history.
- **US History (1 unit):** This is in addition to the Social Studies requirement.

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- **Foreign Language (2 units required):** Two units in a single foreign language are required in this category.

These stipulated high school units are not intended to specify what the total high school curriculum should be. Secondary schools seek to meet the needs of various student clienteles, one of which is the college-bound student. The stipulations are an attempt to make a strategic application of academic competencies. They reflect the bridge from specific desired learning outcomes to a list of required college admission criteria. That list is composed of high school units presumed most likely to result in the required learning outcomes. For the sake of clarity, one unit constitutes one year of high school study of a given subject.

Student success at the University of Memphis is strongly predicted by academic performance in high school as well as performance on the ACT. In addition to the required high school curriculum, students who earn a minimum of 21 composite on the ACT (or comparable SAT score), college-level readiness sub-scores on the ACT reading and English, and a minimum high school grade point average of 3.00 are guaranteed admission to the University of Memphis. Students not meeting the guaranteed admission criteria will be considered for admission under a comprehensive index review process. An Admissions Index will be calculated for each applicant by first multiplying the cumulative high school GPA by 30 and then adding the ACT composite score. Students with an Admissions Index of 95 or higher will be considered for admission under the index review. For reference purposes, the average academic profile of freshmen accepted for Fall 2011 was an ACT score of 22 and a GPA of 3.34.

Applicants who wish to provide additional information regarding special talents or circumstances may do so by contacting the Office of Admissions.

Applicants who are admitted to the University with a foreign language deficiency will need to check with the [Center for Academic Retention and Enrichment Services](#) to find out [what is necessary to remove the deficiency](#) as soon as possible.

Additional Information for Non-traditional First-time Freshman Applicants

- [GED Applicants \(under the age of 21\)](#)
- [Homeschooled Applicants](#)
- [Early Admission Applicants](#)
- [21+ First-time Freshman Applicants \(21 years of age or older w/a high school diploma or GED\)](#)


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Transfer Admission Requirements

Transfer Applicants

The University of Memphis welcomes applications from students who have begun college elsewhere.

Transfer Applicants with Less than 24 Credit Hours

Students who are transferring with less than 24 credit hours of college-level coursework must satisfy the following criteria:

1. Meet the requirements of entering [first-time freshmen](#).
2. Have earned a 2.00 GPA (as computed by the University of Memphis) on all attempted college level and developmental or remedial courses.
3. Be in good standing with the college or university previously attended.

Transfer applicants who have been academically dismissed from the last institution they attended but meet the GPA requirements listed above will not be considered for admission until at least one regular semester (fall or spring) has elapsed. After this period, these applicants must submit a new application (no additional fee required).

Students who meet the high school requirements, but do not have a 2.00 GPA on attempted college coursework may be considered for admission. These applicants will be reviewed by the [Center for Academic Retention and Enrichment Services](#). Students' major, types of courses taken, and pattern of progress as well as high school records and standardized test scores, will be considered in the admissions process.

Transfer Applicants with 24 Credit Hours or More

Students who are transferring with 24 credit hours of college-level coursework or more must meet one of the following admissions options:

1. Have earned an overall combined 2.00 GPA (as computed by the University of Memphis) on all transfer hours attempted.

NOTE: Students who have failed any developmental or remedial coursework will not be eligible for admission until they have completed these courses with a passing grade.

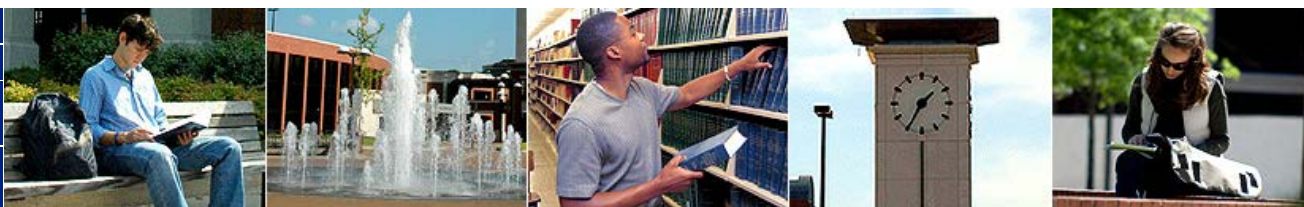
2. Have earned an associate degree in a University Parallel or University Transfer program from a regionally accredited community, junior, or senior college with an overall combined 2.00 GPA (as computed by the University of Memphis).

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International Undergraduate Admission Requirements

International Undergraduate Applicants

The University of Memphis believes that the presence of a balanced representation of international students on campus will enrich the educational environment of all students. Therefore, the University is authorized under federal law to enroll non-immigrant, alien students on "F-1" and "J-1" student visas. Applicants must file complete credentials before May 1 for fall admission; September 15 for spring admission; or February 1 for summer admission. Complete credentials include all the documents listed below.

The international application should be completed and submitted online at <http://apply.memphis.edu>. All additional required credentials should be sent to the Office of Admissions, the University of Memphis, 101 Wilder Tower, Memphis, Tennessee, 38152-3370, U.S.A. Applications and fees received after the stated deadlines will be returned.

A non-refundable international application and processing fee of \$50 (fifty dollars) is required of every international applicant, unless previously paid. Preferred payment of the application fee is by credit card. Applicants unable to pay by credit card should mail a check or money order, made payable to the University of Memphis. Applications will only be processed after the application fee is received.

International applicants should [contact](#) the [Office of Admissions](#) for information on application procedures, qualifications, and admission to the University. Since there is considerable variation among educational systems throughout the world, international applicants will be selected on a competitive basis, after meeting the minimum standards of admission using examination scores, grade point average, relevance of academic background to intended major field of study and recommendations from the [World Education Services](#) or any credentialing service who is a member of the [National Association of Credential Evaluation Services](#). More information may be found at <http://www.naces.org/>. The University often receives more applications than can be approved; therefore, admission cannot be granted to all applicants who meet only the minimum requirements.

All transcripts, test scores, and other credentials must be accompanied by an official English translation of these documents and must be on file in the Office of Admissions by the stated deadlines before the beginning of registration for the intended term of entry.

Admission Requirements for International Undergraduate Applicants

1. **Required Transcripts:** Applicants must arrange for the Office of Admissions to receive official copies of academic records of the applicant's attendance at secondary school, college, university, and professional institutions of learning. These transcripts must be sent directly from the high school or college to the University of Memphis. An exception is made for those who hold the bachelor's degree or its equivalent in that they need not send their secondary school records. Records should list the subjects studied and the grade, mark, or other evidence that each individual subject was completed to the satisfaction of the authorities in charge. If it is impossible for the school to send us an official copy, copies certified by an official at the American Embassy or a known world organization may be acceptable. All records must be in English. Since certificates and records filed for examination are not ordinarily returned, applicants should send certified copies if the documents in question cannot be easily replaced.

2. **Required Test of All Applicants:** All applicants whose native language is not English must supply results of the [Test of English as a Foreign Language TOEFL](#) or its equivalent. The minimum overall TOEFL score considered for undergraduate admission to the University of Memphis is 61 on the internet-based test (iBT) or 500 on the paper-based test (PBT). TOEFL information may be obtained by writing: TOEFL, Educational Testing Service, Princeton, New Jersey, 08540, U.S.A. All test scores must be sent directly from

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the testing agency to the University of Memphis.

3. **Freshman Test Required:** Applicants to the first year undergraduate level must submit scores on the [Scholastic Aptitude Test \(SAT\)](#) or the [American College Testing Program \(ACT\)](#). These tests are available only in English. For information on the SAT, applicants may write to College Entrance Examination Board, Box 592, Princeton, New Jersey, 08540, U.S.A. For information on the ACT, applicants may write to American College Testing Program, P.O. Box 414, Iowa City, Iowa, 52243, U.S.A. All test scores must be sent directly from the testing agency to the University of Memphis.

4. **Financial Statement:** U.S. visa regulations require that certification of admission be based on both academic acceptance and satisfactory evidence of adequate funds to meet the expenses involved in the student's program of study. Applicants for an "F-1" student visa must supply, on the [Affidavit of Support](#) form provided by the university, sufficient evidence of financial support for themselves and all members of their families who will accompany them to Memphis. This requires that applicants certify that their intent is to attend the university full time and that no employment will be required.

5. **Health Certificate Required:** Each international student, within 30 days from the first day of classes, must submit a certificate from a licensed U.S. physician or other qualified U.S. medical authority verifying freedom from tuberculosis. Failure to do so shall result in denial of enrollment. In the event that the student either has tuberculosis or has potential tuberculosis requiring medical treatment, continued enrollment will be conditioned upon the determination by a licensed U.S. physician that such enrollment does not present a risk to others and upon the student's compliance with any prescribed medical treatment program.

In order to enroll, all international students born after January, 1957, must prove that they have been inoculated with the live measles vaccine (MMR) since January, 1980. Exceptions are made for students who are pregnant or allergic to the vaccine.

6. All international students must purchase a [health insurance policy](#) through the university or provide evidence of government sponsored health insurance before they are allowed to enroll.

7. International students will not normally be allowed to register as transient students (those regularly enrolled and in good standing at another institution who desire to attend the University of Memphis for only a limited period of time). During summer sessions, exceptions may be granted only in cases where a student has an outstanding academic record and unusual circumstances are present.

8. International students who wish to apply for readmission to the University must meet the deadlines stated above.

9. International students must become familiar with the regulations of the [U.S. Citizenship and Immigration Services \(USCIS\)](#) and assume responsibility for complying with these regulations.

10. Prior to the first day of class, international students should be prepared to attend a half-day mandatory new student orientation hosted by the [International Students Office](#). Additionally, all international students must report to the International Students Office with their passport and I-20 for check-in before the first day of classes.

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Combination Senior Admission Requirements

Combination Senior

An undergraduate student with a total cumulative GPA of at least 3.25, who has filed with his or her graduation analyst a plan for completing the bachelor's degree within two semesters, with the approval of the college director of graduate studies, may request to enroll concurrently in undergraduate and selected graduate courses. Students may earn up to 12 hours of graduate credit while enrolled as a Combination Senior. Approval to register for graduate credit does not imply approval for admission into a graduate program at the University or that the credit earned will be accepted towards a graduate degree. After the bachelor's degree is awarded, a Combination Senior may be admitted to a graduate degree program. Courses taken for graduate credit may not be used for both the baccalaureate and graduate degrees.

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Readmission Requirements

Readmission (Returning Students)

Former undergraduate students who wish to return to the University at the same level as when they previously attended and have missed a fall or spring term, must submit an application for readmission. The application should be completed and submitted online at <http://apply.memphis.edu>. If the student has enrolled at another institution since last attending the University of Memphis, a transcript must be forwarded to the Admissions Office. An applicant will receive favorable consideration only if eligible for readmission under all University regulations, including the grade point average (GPA) for [transfer students](#). (NOTE: International students who wish to apply for readmission to the University must meet the deadlines for new admission for [international students](#).)

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Non-Degree Seeking Admission Requirements

Applicants with College Degree

An applicant who has (1) earned a baccalaureate degree from an accredited institution, (2) who desires to take only a limited number of undergraduate courses, and (3) who is not presently working toward a degree at the University of Memphis may be admitted in this category.

Applicants with Previous College Attendance but No Degree

A student currently or previously enrolled in any accredited college or university may be admitted in this category.

NOTE: Transient students (those regularly enrolled and in good standing at another institution who desire to attend the University of Memphis for only a limited period of time) should apply at the non-degree level.

Applicants with No Previous College Attendance

An applicant who has graduated from high school or the equivalent and has never attended another college or university may be admitted in this category with the following conditions:

1. Students are limited to earning a total of 24 credit hours while in the non degree category.
2. Applicants who are offered admission to this category and who do not have appropriate test scores in English and math who wish to take an English or a mathematics course will be required to take a placement examination prior to enrollment. Based on the results of this assessment, these applicants may be required to successfully complete basic or developmental courses prior to enrolling in degree credit courses.
3. Applicants in the non degree category are not eligible to receive federal financial aid.

NOTE: Those applicants under 21 who complete their high school work during the calendar year in which they seek admission will not be considered in the non-degree category. These applicants must apply as [first-time freshmen](#).

All non-degree students may, at any time within the stated deadlines, apply to the Office of Admissions for reclassification as degree-seeking students, effective at the beginning of the next semester. Admission procedures and requirements are the same as those for degree-seeking undergraduate applicants. Applicants must file an application to be reclassified into this category and supply the following documentation:

1. Provide an acceptable entrance examination score or the equivalent.
2. The high school graduation requirement may be satisfied by any of the methods listed in the [first-time freshmen](#) section of the [Undergraduate Catalog](#).

After students are admitted as regular undergraduates, any credit that may have been earned as non-degree-seeking students may apply toward degree programs in the college from which a degree is sought as outlined in the [Undergraduate Catalog](#).

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Concurrent Enrollment Admission Requirements

Concurrent Enrollment

Outstanding high school students who have completed the sophomore year may be admitted and register for one college course per term of enrollment concurrently provided they supply evidence of the following:

1. A minimum high school cumulative grade point average (GPA) of 3.20 on a 4.00 scale.
2. An ACT composite score of 22 or above.
3. A recommendation from the applicant's high school principal or guidance counselor.
4. The course concurrently enrolled students register for must be taken outside of their established school day.

NOTE: Departments may establish additional criteria for their courses.

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Audit Only Admission Requirements

Admission as Audit-Only Undergraduate

Persons who are not enrolled for credit courses may register for audit courses with the approval of the Office of Admissions and the appropriate department chair. These students must have the equivalent of high school graduation or be at least 18 years of age. Clearance will be for one term only. Subsequent enrollment will require an application for readmission. Tennessee residents who have a permanent and total disability, which totally incapacitates them from working at an income producing occupation, may audit courses at the University of Memphis without paying tuition charges, maintenance fees, student activity fees, or registration fees. Admission to audit will be limited on an individual classroom basis according to space availability. An application fee of \$25.00 is required.

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University General Education Program

Room 800, Wilder Tower
<http://www.memphis.edu/gened/>

The University General Education Program promotes a shared core learning experience for all undergraduate students at the University of Memphis and provides a framework upon which the college major can build. The major purpose of the Program is to provide students the opportunity to acquire tools, develop skills and awareness necessary for completing a college career and assuming the roles of a lifelong learner and an active, informed participant in contemporary society.

The University of Memphis General Education Program consists of 41 hours of coursework from a variety of disciplines. Students should consult their advisors on specific General Education Program courses that may be required for the major. The following are the General Education Program categories and their approved courses. Former course numbers appear in parentheses.

A. Communication (9 hours)

- ENGL 1010 (1101) English Composition - Expository writing, emphasizing content, organization, and style.
- ENGL 1020 (1102) English Composition and Analysis - Expository writing emphasizing synthesis, including library work and documented papers.

[All candidates for graduation at the University of Memphis are required to complete English 1010 and 1020, or their equivalents, with a grade of "C" or better. Before enrolling in English 1010, a student must have either (1) an ACT English score of 18 or above, or (2) an SAT verbal score of 450 or above, or (3) a satisfactory completion of a placement test administered by the University of Memphis Testing Center. Those who do not meet the requirements above, must successfully complete DSPW 0800 with a grade of "C" or better before proceeding to English 1010. English 1010 and 1020 must be taken in sequence; no credit will be allowed for English 1020 until 1010 has been completed successfully.]

- COMM 2381 Oral Communication - Basic oral communication, includes speaking, critical listening, and decision-making.

B. Mathematics (3 hours)

- MATH 1420 (1182) Foundations of Mathematics (3) - Algebra review and applications.
- MATH 1530 (1601) Introduction to Statistical Reasoning and Application (3)
- MATH 1710 (1211) College Algebra (3) - Analysis of functions, partial fractions, equations, and applications.
- MATH 1730 (1213) Pre-Calculus (4) - Exponents, radicals, quadratic functions, laws of sines and cosines.
- MATH 1830 (1312) Elementary Calculus (3) - An introductory course to calculus.
- MATH 1910 (1321) Calculus I (4) - Calculus for the following majors: math, computer science, science, and engineering.
- MATH 2000 Experiences in Mathematics (3) - Introduction to contemporary mathematics and its application to various areas of modern life.

C. Humanities / Fine Arts (9 hours)

- ENGL 2201 Literary Heritage - Major literary texts exemplifying narrative, lyric and dramatic modes of discourse.

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OR
ENGL 2202 Literary Heritage: African-American Emphasis

Plus two of the following courses

ART 1030 (1101)	Introduction to Art - Fundamental principles of visual artistic expression as the basis for understanding Western and non-Western traditions.
ARTH 2010 (2101)	World Art I - Development of visual arts from prehistoric times through medieval period.
ARTH 2020 (2102)	World Art II - Continues World Art I; development of visual arts from medieval period through Renaissance to present.
CLAS 2481	Mythology - Thematic study of ancient myths.
COMM 1851	Introduction to Film - Film as a cultural, artistic, and social phenomenon.
DANC 1151	Introduction to Dance - Dance as an expressive art form, a symbolic language, and an integral aspect of world cultures.
JDST 2850	Religions of Abraham: Judaism, Christianity, Islam - Religious traditions arising from ancient Near East.
MUS 1030 (MUHL 1101)	Music Appreciation - Music of various Western and non-Western cultures.
MUS 1040	Music in America - Music history, sources and current styles of American music.
PHIL 1101	Fundamental Issues in Philosophy - Critical exploration of such issues as knowledge, reality, and the good life.
PHIL 1102	Values and the Modern World - Introduction to social and ethical issues: good and evil, science, religion, sex, race.
POLS 1101	Introduction to Ancient Political Thought - Fundamental questions of ancient political thought.
POLS 1102	Introduction to Modern Political Thought - Fundamental questions of modern political thought.
RLGN 1100	Introduction to Religion - The world's major spiritual traditions from ancient times to the present
THEA 1030 (1551)	Introduction to Theatre - Experiential, conceptual, historical, and cultural study of theatre.
UNIV 3580	Hebrew and Greek Legacy - Interdisciplinary examination of major traditions of ancient Hebraic and Greek cultures.
UNIV 3581	Faith, Reason and Imagination - Interdisciplinary examination of the religious, rationalist, and aesthetic viewpoints as distinctive ways of understanding.

D. History (6 hours)*

ANTH 3282	Cultural History of American Communities
HIST 1110 (1301)	Development of World Civilization I - Traces civilization from ancient times to circa 1500.
HIST 1120 (1302)	Development of World Civilization II - Forms of civilization from 1500 to the present.
HIST 2010 (2601)	The United States to 1877- United States from discovery to end of political reconstruction.
HIST 2020 (2602)	United States Since 1877
HIST 2030	History of Tennessee
HIST 3863	Social and Intellectual History of the United States
HIST 3881	African-American History
HIST 4851	History of Women in America
POLS 4212	Constitutional Law: The Origins and Evolution of Civil Liberties in the United States
POLS 4405	Origin and Development of American Political Thought
SOCI 3422	Racial and Ethnic Minorities

*Students who have not completed one year of American History in high school must complete 6 credit hours of American History or 3 credit hours of American History plus 3 credit hours of Tennessee History in order to satisfy the History General Education requirement.

E. Social / Behavioral Sciences (6 hours)

ANTH 1100	Biological Anthropology and Prehistory- Origins of humans and human
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	society, behavior, and culture.
ANTH 1200	Cultural Anthropology - Origins and development of human culture throughout the world.
CSED 2101	The Family in Global Perspective - Interdisciplinary overview of the family as a primary, global, social institution.
ECON 2010 (2110)	Macroeconomics - Nature and functions of the national economy in a global context.
ECON 2020 (2120)	Microeconomics - Operations of the market economy at the individual and firm level.
ESCI 1301 (GEOG 1301)	Survey of World Regions - Survey of economic, cultural, and physical traits characteristic of developing and industrialized nations.
ESCI 1401 (GEOG 1401)	Introduction to Cultural Geography - Geographical aspects of human behavior.
JOUR 1700	Survey of Mass Communication - History and cultural roles of major forms of mass communication.
POLS 1030 (1100)	American Government - Development, structures, and processes of the American system of government.
POLS 1301	Intro to Comparative Politics - Comparisons of political issues and systems in a variety of European, Asian, and African countries.
POLS 1501	International Relations - Conflict, competition, and cooperation among global factors in the world arena.
PSYC 1030 (1200)	General Psychology - Introduction to social aspects of psychology as a science of behavior.
PSYC 3510	Deviance: Its Role in History and Culture - Defamation and glorification of concepts of deviance across cultures.
SOCI 1010 (1111)	Introduction to Sociology - Concepts and methods of sociology, social structure, and social institutions.
SOCI 2100	Sociology of International Development - Social change in an increasingly interdependent world.
UNIV 2304	Gender and Society - Interdisciplinary study of gender as a social experience among different racial, ethnic, class, and cross-cultural groups.

F. Natural Science: (8 hours)

BIOL 1010/1011 (1071/1072)	Introduction to Biology I/Lab - General overview of cellular structure and function, genes and biodiversity.
BIOL 1020/1021 (1081/1082)	Introduction to Biology II/Lab - A study of the biosphere and the structure and functions of its plants and animals.
BIOL 1110/1111 (1151/1152)	General Biology I/Lab - Unifying principles of biology: cell structure, cell function, heredity, origin and development of life.
BIOL 1120/1121 (1161/1162)	General Biology II/Lab - Continuation of BIOL 1110 with emphasis on origin and diversity of life; structure, functions, and ecology of organisms.
CHEM 1010/1011 (1101)	Chemistry of Materials/Lab - Fundamental laws of chemistry and their impact on modern society.
CHEM 1020/1021 (1102)	Chemistry of Life/Lab - Basics of organic and biological chemistry.
CHEM 1110/1111 (1131/1121)	General Chemistry I/General Chemistry I Lab - Laws of chemistry.
CHEM 1120/1121 (1132/1122)	General Chemistry II/General Chemistry II Lab - Continuation of CHEM 1110.
ESCI 1010 (ESCI 1011; GEOG 1001/1011, 1010/1011)	Weather and Climate - Atmospheric processes and geographic distribution of radiation, moisture, pressure, and circulation interacting to create weather systems and storms.
ESCI 1020 (ESCI 1021; GEOG 1002/1022, 1020/1021)	Landforms - Agents and processes of landform development and geographic relationships of landscapes.
ESCI 1040 (GEOL 1101, 1040)	Physical Geology - Introduction to minerals and rocks and the Earth's internal forces that cause mountain-building, volcano eruptions, and earthquakes.
ESCI 1103 (GEOL 1103)	Humans and the Environmental Earth Sciences - Archaeological and geological study of human and environmental interactions.
ESCI 1050 (GEOL 1102, 1050)	Historical Geology - Overview of the history of earth and its life.
PHYS 1010/1001	Introduction to Physics/Lab - Physics for non-technical students; natural laws of motion, heat, sound, light.

PHYS 1020/1002	Survey of Astronomy/Lab - Astronomy for non-technical students; earth, moon, stars, planets.
PHYS 2110/2111 (2510/2003)	Physics I for Science and Engineering - Calculus/ Physics I Lab
PHYS 2120/2121 (2520/2004)	Physics II for Science and Engineering - Calculus/ Physics II Lab

1. GRADE POINT AVERAGE

To receive a bachelor's degree from any of the colleges in the University, students must have a grade point average of at least 2.00 for all college level courses. Students with transfer credit are required to maintain an average of 2.00 on all college-level courses taken at the University of Memphis.

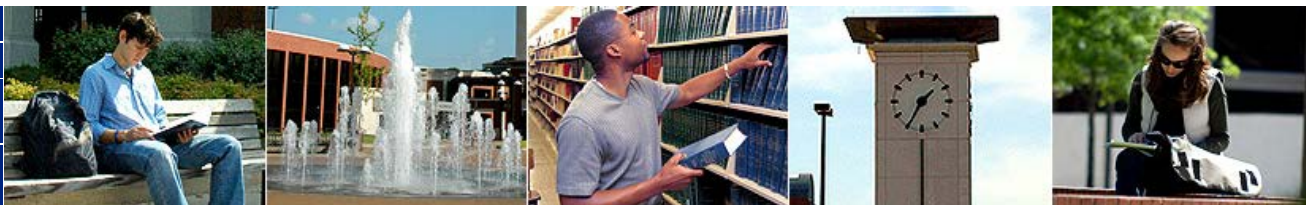
2. TESTING AS A PREREQUISITE FOR GRADUATION

Any or all students may be required to take one or more tests designed to measure general education achievement and achievement in their major as a prerequisite to graduation, for the purpose of evaluation of academic programs. Unless otherwise provided for in any individual program, no minimum score or level of achievement is required for graduation. Participation in testing may be required for all students, for students in selected programs, and for students selected on a sample basis. Details concerning these regulations and the dates of the examinations will appear in the online class listings each semester.

3. APPLY FOR GRADUATION

All students are required to apply to graduate during the semester preceding the semester of graduation. The deadlines for the application to graduate are included on the Registrar's website. It is the responsibility of the student to insure that this deadline is met.

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Requirements for Teacher Licensure

An undergraduate student can be recommended for licensure to teach in Elementary Education (Grades K-6); Early Childhood Education (Grades PreK-3); or Special Education (Grades K-12); or Physical Education (Grades K-12), Art (Grades PreK-12), Music (Grades PreK-12) in the State of Tennessee by completing all degree requirements for that endorsement as outlined for the Bachelor of Science in Education in the COLLEGE OF EDUCATION DEGREE PROGRAMS section of this Catalog, or the College of Communication and Fine Arts for Art and Music.

A student in any of these programs must (1) file an application for admission to the Teacher Education Program in The College of Education, Health and Human Sciences; (2) fulfill the requirements and application procedures for the year-long Residency; (3) apply to graduate before the University deadline; (4) have an overall GPA of no less than 2.75 and a grade of "C" or above in each required course on their program of study; (5) pass all appropriate PRAXIS II licensure exams, and (6) fulfill all other graduation requirements listed under the TEACHER EDUCATION PROGRAMS: REQUIREMENTS section.

Graduate, special, and transfer students who wish to obtain a teacher's license should confer with the academic advisor in the College of Education, Health and Human Sciences, Room 202, Ball Hall on the main campus, or Room 220 in the Barnell-Jones Building at the University of Memphis, Lambuth Campus, concerning their individual requirements.

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Catalog Applicability

DEGREE/MAJOR

A student may complete the requirements for the initial degree under the provisions of any valid UofM Catalog provided the effective date of that Catalog is not earlier than the student's initial admission to UofM or some other accredited institution of higher learning. The degree requirements published in the Undergraduate Catalog of the University of Memphis are valid for seven years from the beginning of the academic year to which the Catalog applies. For students whose initial enrollment occurs Fall 2013-Summer 2014, this Catalog is valid through Summer 2020.

With the approval of the dean of the college through which the student's degree is offered, any student who had completed at least fifteen semester hours of course work and whose progress was interrupted by a call to active military duty may extend the validity date for graduation for any Catalog valid at the time of the call to active duty. Though the student should attempt to complete requirements within the normal seven-year validity period, the dean may grant an extension commensurate with actual time served on active military duty and time required for directly related medical treatment that prevents the student's re-enrollment. Qualification for this extension is contingent upon re-enrollment within a period of time deemed reasonable by the dean. The extension is not allowed for a full military career.

The seven-year Catalog validity period applies only to degree requirements as specified in Graduation from the University and Colleges, Degree Programs and Courses sections of the Catalog. It does not apply to regulations in the Academic Regulations section. Specific regulations apply for the year in which they appear in the Catalog.

MINOR

A student with a declared major may pursue any established minor described in this or any subsequent Catalog. The selected minor must be different than the declared major and require approval of the degree granting college under which the student is graduating. The minimum of 18 credit hours for a minor is required. Some of the hours in the minor may also be included in the student's general education and degree requirements. There must be at least 9 hours at the upper division level. The GPA required for the minor is that of the degree granting college. Students must complete the coursework for the minor as described in the "College and Degree Programs" section of the undergraduate Catalog. The minor must be declared no later than graduation check-out time. All course requirements for the minor must be completed by the time of graduation.

The minors available for the 2013-2014 academic year are the following:

College of Arts and Sciences

- [Aerospace Studies](#)
- [African and African American Studies](#)
- [Anthropology](#)
- [Asian Studies](#)
- [Biology](#)
- [Chemistry](#)
- [Computer Science](#)
- [Criminology and Criminal Justice](#)
- [Emergency Management](#)
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Mathematical Sciences
Military Science
Naval Sciences
Nonprofit Management
Philosophy
Physics
Political Science
Psychology
Public Administration
Religious Studies
Social Work
Sociology
Women's Studies

Fogelman College of Business and Economics

Accounting
Business Economics
Finance
International Business
Supply Chain Management
Management
Management Information Systems
Marketing Management
Pre-Professional Business Administration
Project Management
Real Estate
Risk Management and Insurance
Sales
Systems Testing

College of Communication and Fine Arts

Art
Art History
Communication
Dance
Journalism
Music
Photography
Theatre

Herff College of Engineering

Computer Engineering
Electrical Engineering

University College

Alcohol and Drug Abuse Studies
American Studies
Child Development

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Second Bachelor's Degree

All students who hold a baccalaureate degree from a regionally accredited institution of higher education, including the University of Memphis, may earn another bachelor's degree with a different title.

To earn the second bachelor's degree, the student must:

1. Complete any additional college requirements as determined by the office of the dean of the college granting the second baccalaureate degree.
2. Complete all requirements for the major as determined by the department in which the second baccalaureate degree is sought.
3. Complete a minimum of 30 semester hours in residence.
4. Earn a minimum cumulative grade point average of 2.0 and a minimum GPA of 2.0 in all coursework taken at the University of Memphis.

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Second Major

Two majors in the same degree may be pursued simultaneously or subsequently. If a student completes the requirements from a valid Catalog for an additional major for a degree previously earned at the University of Memphis, that major may be posted on the student's record if the student applies for the additional major through the appropriate dean's office.

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Residence

RESIDENCE REQUIREMENTS

A student will satisfy residence requirements for graduation by earning at least twenty-five (25) percent of credit hours required for the degree at the University of Memphis. At least thirty (30) of the final sixty (60) hours required for the degree must be completed at the University of Memphis. A student transferring credits from a two-year college or institution must complete, as a requirement for the baccalaureate degree, a minimum of sixty semester hours in an accredited senior institution.

In addition, the student must meet the residence requirements for the specific degree as established by the college or school in which it is offered. Exceptions to residence requirements can be authorized by the appropriate dean. Residence requirements for specific degrees within each college or school may be found in the Colleges and Degree Programs section. For more details, the student should inquire in the office of the dean of the appropriate college or school.

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Minors

The minors available are the following:

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Aerospace Studies
African and African American Studies
Anthropology
Asian Studies
Biology
Chemistry
Computer Science
Criminology and Criminal Justice
Emergency Management
English
Environmental Studies
Foreign Languages
Geography
Geological Sciences
History
Judaic Studies
Legal Thought and Liberal Arts
Mathematical Sciences
Military Science
Naval Sciences
Nonprofit Management
Philosophy
Physics
Political Science
Psychology
Public Administration
Social Work
Sociology
Women's Studies

Fogelman College of Business and Economics

Accounting
Banking and Financial Services
Business Economics
Finance
International Business
Supply Chain Management
Management
Management Information Systems
Marketing Management
Pre-Professional Business Administration
Project Management
Real Estate
Risk Management and Insurance
Sales
Social Commerce
Systems Testing

College of Communication and Fine Arts

Art
Art History
Communication
Dance
Journalism

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Music
Photography
Theatre

Herff College of Engineering

Computer Engineering Technology
Electronics Engineering Technology
Manufacturing Engineering Technology

University College

Alcohol and Drug Abuse Studies
American Studies
Child Development
Religion in Society

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The College of Arts and Sciences

THOMAS J. NENON, Ph.D., Interim Dean
Room 107, Scates Hall
(901)678-3067
www.memphis.edu/cas

PURPOSES

The College of Arts and Sciences has three distinct functions within the framework of the University.

1) Its primary function is to offer a strong liberal arts program designed to help the students prepare themselves for life in their own cultural setting by acquiring the means and desire to continue the processes of intellectual development and character formation throughout their lives. "The purpose of education," wrote John Stuart Mill, "is to make capable and cultivated human beings." "Education has for its object the formation of character," wrote Herbert Spencer. We believe that people are people, no matter what their careers, and that if we can help people to become more capable and sensible, they will have better careers and lives. It is our belief that the best preparation for any profession or vocation is a thorough foundation in those major fields of human interest, which are included in the humanities, the natural sciences, and the social sciences. A program of liberal studies at the University of Memphis aims to provide the students with a store of factual knowledge, to introduce them to varying sets of principles, to stimulate them to think about and evaluate facts and principles, and to encourage them to order their own affairs and those of their society with the talent, insight, and discrimination they develop.

2) The College of Arts and Sciences offers this kind of education to the candidates for its own degrees, and to the students of other colleges of the University, all of whose degree plans call for courses in the arts and sciences.

3) The college offers preparatory courses for students interested in careers in medicine, dentistry, nursing, teaching, law and other professions; specific pre-professional programs, designed to prepare students to qualify for admission to professional schools, are available.

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African and African American Studies

Interdisciplinary Studies Office

African and African American Studies Major (B.A.)

Program objectives for a B.A. in African and African American Studies are to: (a) define the term "diaspora" and describe the history, scope and impact of the post-Renaissance diaspora of African peoples; (b) critique the experiences of African and African American women within the context of the collective experiences of Africans and African Americans and the world as a whole; (c) apply methodological approaches and analytical skills used in the humanities, the social and behavioral sciences, or the arts to the study of the experiences of Africans and people of African descent in the Diaspora; (d) demonstrate an understanding of the links between African cultural institutions and those of people of African descent in the Diaspora; (e) compare and contrast the history and cultures of peoples of Africa to the history and cultures of peoples of African descent in the Diaspora.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. College and Degree (B.A.) Requirements (13 hours)

The [College and Bachelor of Arts](#) requirements are in addition to the University General Education Program requirements and are listed above.

C. The Major (30 hours)

1. Major Core (18 hours):

Completion of AAAS 2100, 3100 (or one of the following: ANTH 4010, CJUS 3130, COMM 3330, SOCI 3322), and 4100; and one course selected from each concentration (9 hours).

2. Concentration (12 hours):

a. Humanities: AAAS 4351; ENGL 3325, 3326, 4372, 4373, 4521; HIST 3273, 3281, 3282, 3840, 3881, 4022, 4050-69 (Special Topics related to African American experience), 4222, 4273, 4283, 4288, 4289, 4853, 4871, 4879, 4880, 4882; PHIL 3452, 3741.

b. Social and Behavioral Sciences: AAAS 4251; ANTH 3232, 3242, 3282, 3511, 4051, 4120, 4220, 4352, 4411, 4412; 4660, 4661, 4662, CJUS 3510, 4460; ESCI 4431; ECON 3411, 4740; POLS 3306, 3320, 3325, 3330, 3415, 4101, 4222, 4317, 4415, 4416, 4511; SLS 4145; SOCI 3112, 3311, 3401, 3420, 3422, 3432, 4420, 4442, 4460, 4631.

c. The Arts: ARTH 4111, 4112, 4113, 4181, 4183, 4185, 4660, 4661, 4662; COMM 3360, 3361, 4341, 4364, 4373, 4375; MUHL 4800, 4801, 4804, 4805, 4806, 4807; THEA 4559.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

African and African American Studies Minor

Completion of 18 semester hours including AAAS 2100, 3100, and 12 hours of electives from the following groups, with at least 3 hours from each group. Students may also choose other courses not on the following list as substitutions with the approval of the African and African American Studies advisor:

a. Humanities: AAAS 4351; ENGL 3325, 3326, 4372, 4373, 4521; HIST 3273, 3281, 3282, 3840, 3881, 4022, 4050-69 (Special Topics related to African American experience), 4273, 4283, 4288, 4289, 4853, 4871, 4879, 4880, 4882; PHIL 3452, 3741.

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College of Arts and Sciences

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 African and African American Studies (AAAS)
 Anthropology (ANTH)
 Biology (BIOL)
 Chemistry (CHEM)
 Computer Science (COMP)
 Criminology and Criminal Justice (CJUS)
 Earth Sciences (ESCI)
 English (ENGL)
 Emergency Management (EMGT)
 Environmental Studies (ENVR)
 Health Administration (HADM)
 History (HIST)
 International Studies (INTL)
 Judaic Studies (JDST)
 Mathematics (MATH)
 Military Science (ARMY)
 Naval Science (NAVY)
 Philosophy (PHIL)
 Physics (PHYS)
 Political Science (POLS)
 Open Learning Fire Services Program (PADM)
 Public and Nonprofit Administration (PADM)
 Psychology (PSYC)
 Religious Studies (RLGN)
 Social Work (SWRK)
 Sociology (SOCI)
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Foreign Languages and Literatures

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 Hebrew (HEBR)
 Italian (ITAL)
 Japanese (JAPN)
 Languages and Literature (LALI)
 Latin (LATN)
 Portuguese (PORT)
 Russian (RUSS)
 Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
 Business Administration (BA)
 Supply Chain Management Science (SCMS)
 Economics (ECON)

b. Social and Behavioral Sciences: AAAS 4251; ANTH 3232, 3242, 3282, 3511, 4010, 4051, 4120, 4220, 4352, 4411, 4412, 4660, 4661, 4662; CJUS 3510, 4460; ESCI 4431; ECON 3411, 4740; POLS 3306, 3320, 3325, 3330, 3415, 4101, 4222, 4317, 4415, 4416, 4511; SLS 4145; SOCI 3112, 3311, 3401, 3420, 3422, 3432, 4420, 4442, 4460.

c. The Arts: ARTH 4111, 4112, 4113, 4181, 4183, 4185, 4660, 4661, 4662; COMM 3360, 3361, 4341, 4364, 4373, 4375; MUHL 4800, 4801, 4804, 4805, 4806, 4807; THEA 4559.

Typical 4-Year African and African American Studies Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH*	3-4	Nat. Sci./Math/B.A.	3-4
Elective	3	Elective	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
AAAS 2100	3	Humanities*	3

Semester Totals	15-16 hrs	15-16 hrs
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Sophomore Year

ENGL 2201 or 2202	3	History*	3
Social/Behavioral Sci.*	3	Elective	3
AAAS 3100	3	Fine Arts*	3
Natural Science*	4	Natural Science*	4
Elective	3	AAAS Arts Core	3
Semester Totals	16 hrs	16 hrs	

Junior Year

AAAS Humanities Core Elective	3	AAAS Soc/Behav core elective	3
Social/Behavioral Sciences*	3	AAAS conc. elective	3
History*	3	UD elective	3
COMM 2381	3	UD elective	3
AAAS conc. elective	3	Elective	3
Semester Totals	15 hrs	15 hrs	

Senior Year

UD elective	3	AAAS 4100	3
AAAS conc. elective	3	UD elective	3
UD elective	3	AAAS conc. elective	3
Elective	3	Elective	4
Elective	3		
Semester Totals	15 hrs	13 hrs	

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Finance (FIR)

Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
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Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

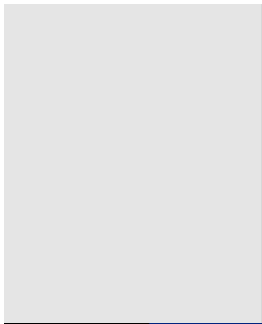
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Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)



University College

[Family and Consumer Science \(CSED\)](#)
[Paralegal Studies \(LEGL\)](#)
[University College \(UNIV\)](#)

Independent Programs

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Anthropology

Department of Anthropology

Anthropology Major (B.A.)

Program objectives for a B.A. in Anthropology are to: (a) comprehend fundamental principles in the core subfields of cultural anthropology, biological anthropology, archaeology, and linguistics; (b) understand evidence of human origins and prehistory, and the interactions between culture and biology in human evolution and contemporary human variation; (c) grasp the concept of culture and its adaptive value, forces of culture change, and the implications of culture change; Gain knowledge of distinct ethnographic contexts; (d) learn about contemporary anthropological theory and basic research methods; (e) learn to organize and synthesize supporting data from multiple sources, and critically evaluate information through structured essays, oral presentations, and class participation; (f) assess critically core constructs, theories, methods and application in anthropological works; (g) develop the ability to write concisely and logically through essays and reports, and to practice proper grammar, composition, and citation; (h) demonstrate clear and effective communication skills for debating positions, and for informing and persuading audiences through participation in class discussion and oral presentations; (i) apprehend major social and cultural concerns, and gain a comparative and non-ethnocentric knowledge of the world's communities; (j) appreciate anthropological research ethics, and the value of civic and moral engagement; (k) experience opportunities for engagement through enhanced learning options, such as community-based research, service learning, internships, and study-abroad programs.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. College and Degree (B.A.) Requirements (12-16 hours)

The [College and Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements.

C. The Major (30 hours)

Completion of 30 semester hours in anthropology courses including ANTH 1100, 1200, 3200, 4065; and 18 additional upper division semester hours.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

E. Honors Program

The Department of Anthropology offers an honors program in anthropology to the superior anthropology student who desires a more intensive approach to and knowledge of the discipline, a deeper understanding of research skills, and an opportunity for original criticism and analysis. To be eligible a student must (a) have the approval of the Department Chair, (b) be an anthropology major, (c) have attained at least junior standing, (d) have completed successfully ANTH 1100, 1200, and one upper-division anthropology course, (e) have maintained a minimum cumulative grade point average of 3.00 in overall studies, (f) have maintained a cumulative grade point average of at least 3.25 in anthropology, (g) have completed four honors courses in anthropology (at least one of which must be an independent study culminating in a research paper/thesis or research report) and a minimum of six hours in honors courses outside anthropology. Those students who complete the program and the regular college requirements will be recognized at the commencement ceremony by having their degree conferred, "With Honors in Anthropology." Moreover the student's diploma and the record at the University of Memphis will reflect this accomplishment. Details of the program are available at the Department of Anthropology office.

Anthropology Minor

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
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[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

Completion of 18 semester hours in anthropology courses, including ANTH 1100, 1200, 3200, and 4065.

Typical 4-Year Anthropology Sequence

Freshman Year

ANTH 1100	3	ANTH 1200	3
ENGL 1010	3	ENGL 1020	3
MATH*	3-4	Nat. Sci./Math/B.A.	3-4
Foreign Language/B.A.	3	Foreign Language/B.A.	3
Elective	3	Humanities/Fine Arts*	3

Semester Totals	15-16 hrs		15-16 hrs
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Sophomore Year

ANTH 3200	3	History*	3
Elective	3	Elective	3
ENGL 2201 or 2202	3	Fine Arts *	3
Natural Science*	4	Natural Science*	4
History*	3	UD elective	3

Semester Totals	16 hrs		16 hrs
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Junior Year

UD ANTH	3	ANTH 4065	3
COMM 2381	3	UD ANTH	3
Elective	3	UD elective	3
UD elective	3	Elective	3
UD ANTH	3	Elective	3

Semester Totals	15 hrs		15 hrs
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Senior Year

UD ANTH	3	UD ANTH	3
Humanities/B.A.	3	UD ANTH	3
Elective	3	UD elective	3
Elective	3	Elective	4
UD elective	3		

Semester Totals	15 hrs		13 hrs
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Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Finance (FIR)
 Hospitality and Resort Management (HPRM)
 Management Information Systems (MIS)
 Management (MGMT)
 Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
 Art (ART)
 Art History (ARTH)
 Communication (COMM)
 Communication/Fine Arts (CCFA)
 Dance (DANC)
 Interior Design (IDES)
 Journalism (JOUR)
 Theatre (THEA)

Music

Applied Music (MUAP)
 Music Appreciation (MUS)
 Music Education (MUSE)
 Music History, Literature, and Appreciation (MUHL)
 Music Industry (MUID)
 Music Theory and Composition (MUTC)
 Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
 Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
 Health and Human Performance (EXSS)
 Health and Sport Sciences (HMSE)
 Health Promotion (HPRO)
 Physical Education Activities (PHED)
 Physical Education Teacher Education (PETE)
 Sport and Leisure Commerce (SLC)
 Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

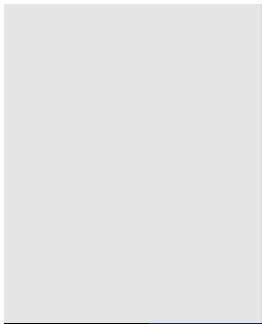
Early Childhood Education (ECED)
 Educational Services (EDSV)
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 Leadership (LEAD)
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 Special Education (SPED)

Herff College of Engineering

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Loewenberg School of Nursing

Nursing (NURS)



University College

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Independent Programs

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Asian Studies Minor

Asian Studies Minor

A minimum of 18 semester hours, including CHIN 2010 and 2020, or JAPN 2010 and 2020, 6 semester hours from CHIN 4301, HIST 3290, 3291, 4292, 4294, 4295, LALI 3401, or PHIL 3721, and 6 semester hours from ECON 3010, ESCI 4307, POLS 4307, 4312, or SOCI 4642.

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

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Art History (ARTH)
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Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

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Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
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Physical Education Activities (PHED)
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Sport and Leisure Commerce (SLC)
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Instruction and Curriculum Leadership

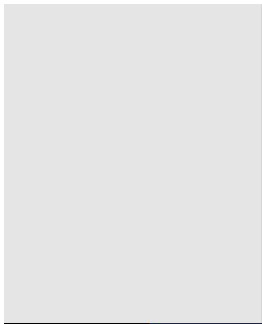
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Biology

Department of Biological Sciences

ADVANCED PLACEMENT

Beginning freshmen who have completed an advanced biology course in high school may apply to the chair of the Department of Biological Sciences during the semester preceding enrollment for advanced placement.

Freshmen scoring 3 on the Advanced Placement Test will receive credit hours for BIOL 1010/1011, BIOL 1020/1021. Those scoring 4 or higher will receive credit hours for BIOL 1110/1111, BIOL 1120/1121.

Biology Major (B.S.)

Students who earn a B.S. in Biology should attain the following objectives: (a) demonstrate knowledge and comprehension of the principles, concepts, and theories pertinent at each level of biological organization; (b) apply principles of biological classification to the diversity of life and recognize phylogenetic relationships among organisms; (c) demonstrate skills in analytical reasoning and problem solving; (e) function successfully in laboratory and field settings, including the use of basic equipment, techniques, and safety protocols; (f) access, evaluate, and utilize biological information in print and electronic formats; (g) effectively communicate scientific knowledge and experimental results in both oral and written formats; (h) compete successfully for admission to graduate and professional programs and for employment utilizing their academic training.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note that MATH 1830 or MATH 1910 is required for the Biology major.

B. College and Degree (B.S.) Requirements (12 hours)

The [College and Bachelor of Science requirements](#) are in addition to the University General Education Program requirements.

C. The Major (52 hours in addition to University General Education Program and B.S. degree requirements)

Students must earn a grade of at least "C" in all BIOL courses applied toward the major, the minor, and in all required chemistry, physics, and mathematical courses. Students must earn a grade of at least "C" in BIOL 1110/1111 and BIOL 1120/1121, before enrolling in any upper division BIOL course.

Any BIOL course applicable toward the major or minor may be repeated once to earn a minimum grade of "C." To repeat a course a second time, a student must apply for and receive special permission from the department Undergraduate Studies Committee. Application information is available in the Biology Advising and Resource Center. A student may not attempt the same BIOL course more than three times, regardless of where it is taken. Courses cross-listed with BIOL (e.g., CHEM 4511, 4512, and 4501) also are subject to this course repetition policy.

Completion of 36 hours in BIOL courses, 16 hours in CHEM courses, 3-4 hours in MATH courses, and 8 hours in PHYS courses as outlined: BIOL 1110/1111, BIOL 1120/1121, MATH 1830 or 1910 (these courses are included in the University General Education Program), and BIOL 3072, 3073, 3130, 4100; 18 additional upper division hours in BIOL courses approved by the department, including (a) one organismal diversity course from among BIOL 3200, 3620, 4245, 4375, 4640, 4644, 4740, 4744, or 4900, and (b) one additional laboratory or lecture/laboratory course; CHEM 1110/1111, 1120/1121, 3301/3310, 3501/3511; and PHYS 2010/2011, 2020/2021 or 2110/2111, 2120/2121. MATH 4611 or PSYC 3001 or 3020 may be substituted for an upper-division BIOL elective course. No more than five total credit hours of research and practicum

Course Descriptions

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[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
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[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
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[Emergency Management \(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
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[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
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[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

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[Chinese \(CHIN\)](#)
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[Italian \(ITAL\)](#)
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[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

(BIOL 4000, BIOL 4001, BIOL 4570) can be applied toward major requirements.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

Biology Minor

Completion of 18 semester hours in biology courses including BIOL 1110/1111, BIOL 1120/1121 and 10 upper division hours. No more than four total credit hours of research and practicum (BIOL 4000, BIOL 4001, BIOL 4570) can be applied toward minor requirements.

Accelerated B.S./M.S. Program in Biology

This program allows outstanding undergraduates to begin the coursework for the Master of Science in Biology during their senior year. Students are encouraged to begin planning to enter the Accelerated B.S./M.S. program early in their undergraduate career, in consultation with their advisor in the Department of Biological Sciences.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.S. degree while they also begin the coursework toward their M.S.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Biology department. Each applicant will complete an interview with the graduate academic coordinator in biology.

Students must also apply to the Graduate School for the accelerated B.S./M.S. program, which allows them to take graduate courses in biology. To continue in the program past the B.S., students must apply for full admission into the Graduate School and into the Biological Sciences department's M.S. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Typical 4-Year Biology Sequence

Freshman Year

CHEM 1110/1111	4	BIOL 1110/1111	4
ENGL 1010	3	ENGL 1020	3
MATH 1830 or 1910	3-4	CHEM 1120/1121	4
Foreign Language/B.S.	3	Foreign Language/B.S.	3
Semester Totals	13-14 hrs		14 hrs

Sophomore Year

BIOL 1120/1121	4	BIOL 3130	3
CHEM 3301/3310	4	CHEM 3501/3511	4
COMM 2381	3	ENGL 2201 or 2202	3
Humanities*	3	Elective**	3
Social/Behavioral Sciences*	3	Social/Behavioral Sciences*	3
Semester Totals	17 hrs		16 hrs

Junior Year

BIOL 3072/3073	4	BIOL 4100	3
PHYS selection***	4	PHYS selection ***	4
UD BIOL	3	UD BIOL	4
UD Social Science/B.S.	3	Humanities/Fine Arts*	3

Semester Totals	14 hrs		14 hrs
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Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Senior Year

History*	3	History*	3
UD BIOL	4	UD BIOL	4
UD BIOL	3	Elective	3
UD Humanities/B.S.	3	Elective	3
Elective	3	Elective	3
Semester Totals	16 hrs		16 hrs

Total Hours: 120-121

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**Choose: PHYS 2010/2011 and 2020/2021 or 2110/2111 and 2120/2121. PLEASE NOTE: MATH 1720 is a prerequisite for PHYS 2010 and 2020.

Undergraduate research is strongly encouraged as part of the elective hours.

University College

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University College (UNIV)

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University Honors Program (UNHP)
University of Memphis Libraries (LBRY)
Interdisciplinary Studies (INTD)

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Chemistry

Department of Chemistry

The Department of Chemistry offers courses leading to the B.S. degree with a major in chemistry. The department also offers a program culminating in the professional degree of Bachelor of Science in Chemistry (B.S.Ch.). This program is designed to meet the requirements of the Committee on Professional Training of the American Chemical Society, and is undertaken primarily by students who desire to go directly to positions in the chemical industry, or to enroll for postgraduate study in chemistry.

SEQUENCE OF COURSES

Students who have a score on the university's math placement exam (ALEKS) earning placement into MATH 1720 or higher should enroll in CHEM 1110 /1111 if they plan to take more than one year of college chemistry, or plan to major in either a natural science or in biomedical, civil, mechanical, or electrical engineering. CHEM 1010/1011 and 1020/1021 are for students interested in the science of chemistry, but are not credited toward a major in chemistry, biology or physics. CHEM 1010/1011 and 1020/1021 may satisfy the General Education Natural Science requirements of other majors. CHEM 1010 may be taken as preparation by students of limited high school chemistry background whose curriculum requires CHEM 1110.

ADVANCED PLACEMENT

Beginning students who have had previous high school training in chemistry are invited to apply for advanced placement.

LABORATORY SAFETY AND COURSE REQUIREMENTS

Laboratory safety is strictly practiced in the Department of Chemistry. Approved eye protection must be worn as required in all chemical laboratories. In addition, to ensure that students enrolled in laboratory courses learn the necessary safety information to safely participate in the laboratory course, all prerequisites and/or corequisites for all laboratory courses are strictly enforced. As a result, when a student enrolls in a laboratory course without prior completion of the necessary prerequisite or corequisite, the student will be dropped from the laboratory course. In addition, when a student simultaneously enrolls in a laboratory course and corequisite course, but subsequently drops or discontinues the corequisite course, the student will be dropped from the laboratory course. In the event any student fails to comply with any safety requirements of the Department of Chemistry, the department has the right to not allow the student to perform laboratory work, or to withdraw the student from the laboratory course, as appropriate.

The requirements listed below are for majors and minors for the Bachelor of Science degrees or for minors for the Bachelor of Arts degrees; for detailed requirements for the Bachelor of Science in Chemistry, a professional degree, see degree requirements described later in this section.

NOTE: Students must complete CHEM 1110/1111, 1120/1121 before enrolling in any upper division course applied toward the major or the minor.

Chemistry Major (B.S.)

Program objectives for a B.S. in Chemistry and a B.S.Ch. in Chemistry are: (a) to have a satisfactory knowledge and comprehension of core concepts of analytical, organic, physical, inorganic and bioorganic chemistry; (b) to develop the ability to critically assess and solve problems relating to theoretical and practical aspects of chemistry; (c) to have satisfactory laboratory skills; (d) to have satisfactory presentation skills to communicate chemical concepts and the results of investigations into chemical phenomena, through oral and written discourse and by way of mathematical sciences (e) to have satisfactory basic computer and computational skills; (f) will be satisfactorily prepared for entry level positions in the field, or for admission to graduate or professional school; (g) to demonstrate an understanding of professional ethics and the

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

importance of chemistry in its impact on society.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. College and Degree (B.S.) Requirements (12 hours)

The [College and Bachelor of Science requirements](#) are in addition to the University General Education Program requirements.

C. The Major (34-42 hours)

Students must earn a grade of at least "C-" in all CHEM courses applied toward the major or minor, and in all required BIOL, PHYS, and MATH courses. Students must earn a grade of at least "C-" in CHEM 1110 and CHEM 1120 before enrolling in any upper-division CHEM course, and in CHEM 1111 and CHEM 1121 before enrolling in any upper-division CHEM laboratory course.

Any CHEM (or cross-listed) course may be repeated once at the student's option to earn a minimum grade of "C-." To repeat a CHEM (or cross-listed) course a second time, a student may apply for and receive special permission from the Chemistry Department. Application information is available in the Chemistry Department Office, Room 213, J.M. Smith Chemistry Building. No student may take a CHEM (or cross-listed) course more than three times in order to earn a minimum grade of "C-" without extraordinary departmental permission.

1. Core requirements (27 hours): CHEM 1110/1111, 1120/1121, (these courses are included in the University General Education Program requirements, credit hours not counted in 34-42 hours for the major), CHEM 3111, 3201/3211, 3301/3310, 3411, 3501/3511, PHYS 2110/2111, 2120/2121 or 2010/2011, 2020/2021.

2. Plus (11-19 hours):

Either

a. General concentration: Five (5) upper division semester hours in chemistry not to include more than one type of experiential learning (CHEM 4901, CHEM 4916, or CHEM 4918), MATH 1910 (this course is included in the University General Education Program requirements) and two of the following courses: MATH 1920, 2110, 4611, COMP 4001.

or

b. Biochemistry concentration: MATH 1830 or 1910 (included in the University General Education Program requirements), MATH 4611, CHEM 4511/4501, BIOL 1110/1111, 1120/1121, and one of the following: CHEM 4512, BIOL 3500 or 3130.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

Chemistry Major (B.S. Ch.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) link for the University General Education Program requirements. Note the following specifications for the B.S.Ch. degree: Natural Science - CHEM 1110/1111, 1120/1121; Mathematics - MATH 1910.

B. College and Degree (B.S.Ch.) Requirements (13-14 hours)

Foreign Language: 6 hours in a single foreign language, or equivalent. If the language chosen is the same language used to fulfill University admission requirements, course must be at the 1020 level or above. If a different language is chosen, any six hours will fulfill the requirement.

1. If the language chosen was used to meet University admissions requirements, students must take the foreign language placement exam (if they have not already successfully completed a language course at an accredited institution of higher education). For information about the dates and place of placement exams, contact the Department of Foreign Languages and Literatures. On the basis of the results of the placement exam, students should follow these guidelines:

If placed into 1010: complete 1010, 1020, 2010

If placed into 1020: complete 1020, 2010

If placed into 2010: complete 2010

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

If placed into 2020 or higher: language requirement fulfilled

Or complete 6 hours at any level of another language

2. Students presenting a language to meet University admission requirements cannot receive credit for 1010 in that language.

3. No credit hours are immediately granted on the basis of the placement exam.

4. Satisfactory completion of the language requirement by means of the placement exam will be noted on the student's transcript.

5. Students whose first college-level language course is 2010 or higher and who pass this course with a minimum grade of "C" may apply for Credit by Course Placement. The applicable fees are listed in the Miscellaneous Fees section of this Catalog. Students wishing such credit must make written application to the chair of the Department of Foreign Languages and Literatures. Credit by Course Placement shall apply only to the lower division, and credit gained in this manner shall not exceed 12 semester hours in any one language. For additional information, see Credit by Course Placement in Section 5 of this Catalog.

6. Once a student begins with a lower-division course, all remaining higher-numbered courses in the lower division must be taken in sequence, without skipping. For example, students who begin with LATN 1010 cannot skip LATN 1020 and enroll in LATN 2010.

7. For students whose mother tongue is not English, lower-division credit in the native language will be awarded when the student has successfully completed the English composition requirement for graduation and has proven proficiency in the native language to the satisfaction of the Department of Foreign Languages and Literatures. The student must make written application to the chair of the Department of Foreign Languages and Literatures.

Mathematics (7-8 hours): MATH 1920, and one of MATH 2110, 2701, 4721, 4611 or 4635.

To qualify for the Bachelor of Science in Chemistry degree, the student must complete a minimum of 120 semester hours with a grade point average of at least 2.0. A minimum of 42 semester hours must be in courses from the upper division.

C. The Major (41-42 hours)

1. Core requirements (27 hours):

Completion of CHEM 1110/1111, 1120/1121 (these courses are included in the University General Education Program requirements and must be successfully completed prior to enrolling in the following, credit hours not counted in 41-42 for the major), CHEM 3111, 3201/3211, 3301/3310, 3411, 3511/3501; PHYS 2110/2111, 2120/2121 (strongly recommended), or 2010/2011, 2020/2021.

2. Advanced requirements (14-15 hours)

Nine (9) upper division semester hours in chemistry lecture courses, two upper division chemistry laboratory courses and the undergraduate research course sequence CHEM 4901/4902/4903.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

Chemistry Minor

Completion of 20 semester hours in chemistry courses, including CHEM 1110/1111, 1120/1121, and 12 semester hours selected from courses applicable to the chemistry major and including at least two chemistry laboratory courses.

Typical 4-Year Chemistry (B.S.) Sequence, General Concentration

Freshman Year

ENGL 1010	3	ENGL 1020	3
CHEM 1110/1111	4	CHEM 1120/1121	4
MATH 1910	4	MATH 1920**	4
Foreign Language/B.S.	3	Foreign Language/B.S.	3
Semester Totals	14 hrs		14 hrs

Sophomore Year

University College

Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
University College (UNIV)

Independent Programs

Orientation Program (ACAD)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)
Interdisciplinary Studies (INTD)

CHEM 3310/3301	4	CHEM 3511/3501	4
ENGL 2201 or 2202	3	COMM 2381	3
PHYS 2110/2111***	4	PHYS 2120/2121***	4
MATH 2110*	4	Humanities/Fine Arts*	3
		Social/Behavioral Science*	3
Semester Totals	15 hrs		17 hrs

Junior Year

CHEM 3211/3201	5	CHEM 3411	3
CHEM 3111	3	UD Social Science/B.S.	3
Humanities/Fine Arts*	3	History*	3
Social/Behavioral Sciences*	3	Elective	3
Elective	1	Elective	3
Semester Totals	15 hrs		15 hrs

Senior Year

UD CHEM	2	UD elective	3
UD CHEM	3	UD elective	3
Elective	3	UD elective	3
History*	3	UD elective	3
UD Humanities/B.S.	3	Elective	4
Semester Totals	14 hrs		16 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**Two of the following may be selected: MATH 1920, 2110, 4611, COMP 4001.

***With permission of the Chair of the Chemistry Department, PHYS 2010/2011 and 2020/2021 may be substituted for this sequence.

Typical 4-Year Chemistry (B.S.) Sequence, Biochemistry Concentration

Freshman Year

ENGL 1010	3	ENGL 1020	3
CHEM 1110/1111	4	CHEM 1120/1121	4
MATH 1830 or 1910	3-4	BIOL 1110/1111	4
Foreign Language/B.S.	3	Foreign Language/B.S.	3
		Humanities/Fine Arts*	3
Semester Totals	13-14 hrs		17 hrs

Sophomore Year

CHEM 3310/3301	4	CHEM 3511/3501	4
ENGL 2201 or 2202	3	COMM 2381	3
PHYS 2110/2111***	4	PHYS 2120/2121***	4
BIOL 1120/1121	4	Social/Behavioral Sciences*	3
Semester Totals	15 hrs		14 hrs

Junior Year

CHEM 3211/3201	5	CHEM 3411	3
CHEM 3111	3	BIOL 3130 or UD elective**	3
Humanities/Fine Arts*	3	Elective	3
History*	3	History*	3
Social/Behavioral Sciences*	3	MATH 4611	3
Semester Totals	17 hrs		15 hrs

Senior Year

CHEM 4511	3	UD Social Science/B.S.	3
CHEM 4501	2	UD elective	3
UD elective	3	Elective	3
Elective	3	Elective	3
UD Humanities/B.S.	3	Elective	3
Semester Totals	14 hrs		15 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**Only one of BIOL 3130, BIOL 3500 or CHEM 4512 is required.

***With permission of the Chair of the Chemistry Department, PHYS 2010/2011 and 2020/2021 may be substituted for this sequence.

Typical 4-Year Chemistry (B.S.Ch.) Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
CHEM 1110/1111	4	CHEM 1120/1121	4
MATH 1910	4	MATH 1920	4
Elective	3	Foreign Language/B.S.	3
Foreign Language/B.S.	3		
Semester Totals	17 hrs		14 hrs

Sophomore Year

CHEM 3310/3301	4	CHEM 3111	3
ENGL 2201 or 2202	3	CHEM 3511/3501	4
PHYS 2110 or 2111***	4	PHYS 2120/2121***	4
MATH 2110**	4	Elective	3
		COMM 2381	3
Semester Totals	15 hrs		17 hrs

Junior Year

CHEM 3211/3201	5	CHEM 4901	1
UD CHEM	3	CHEM 3411	3
Humanities/Fine Arts*	3	Humanities/Fine Arts*	3
History*	3	UD Social Science/B.S.	3
		History*	3

Social/Behavioral Sciences 3

Semester Totals	14 hrs		16 hrs
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Senior Year

CHEM 4902	1	CHEM 4903	1
UD CHEM lab	1	UD CHEM lab	1
UD CHEM	3	UD CHEM	3
Elective	3	UD elective	3
Social/Behavioral Science*	3	UD elective	3
UD Humanities/B.S.		Elective	2

Semester Totals	14 hrs		13 hrs
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Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**MATH 2110, 2701, 4721, 4611 or 4635.

***With permission of the Chair of the Chemistry Department, PHYS 2010/2011 and 2020/2021 may be substituted for this sequence.

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Computer Science

Department of Computer Science

Computer Science Major (B.S.)

The B.S. degree program is accredited by the Computing Accreditation Commission of the Accreditation Board for Engineering and Technology (CAC/ABET).

Program objectives for a B.S. in Computer Science are: (a) to develop fundamental understanding of computer science, including knowledge of principles and practical implementations; (b) to be able to write computer programs to solve non-trivial real life problems; (c) to be well prepared for a first career in information technology and computer science; (d) to be well prepared for graduate studies at the Master's, doctoral and post-doctoral level.

Graduates with a B.S. in computer science will have acquired the following:

- 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 practice;
- 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.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note the following requirements specified for the Computer Science major: Mathematics - MATH 1910; Natural Science - PHYS 2110/2111, 2120/2121 or CHEM 1110/1111, 1120/1121, or BIOL 1110/1111, BIOL 1120/1121; ECON 2020 is strongly recommended for the Social Science requirement.

B. College and Degree (B.S.) Requirements (12 hours)

The [College and Bachelor of Science requirements](#) are in addition to the University General Education Program requirements.

C. The Major (57 hours in addition to University General Education Program and B.S. degree requirements)

Completion of MATH 1910, 1920 (these courses are included in the University General Education Program and college B.S. degree requirements), 3242, 4614; three Natural Science courses and labs (one sequence as mentioned above in part A and a third course from part A); COMP 1900 (4), 2150, 2700, 2701 (1), 3160, 3410, 3715, 3825, 4030, 4040, 4081, 4270, 4601, 4882 and two COMP electives. Seniors are required to take the Computer Science Field Test the same semester that they take COMP 4882.

D. Electives

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
 African and African American Studies (AAAS)
 Anthropology (ANTH)
 Biology (BIOL)
 Chemistry (CHEM)
 Computer Science (COMP)
 Criminology and Criminal Justice (CJUS)
 Earth Sciences (ESCI)
 English (ENGL)
 Emergency Management (EMGT)
 Environmental Studies (ENVR)
 Health Administration (HADM)
 History (HIST)
 International Studies (INTL)
 Judaic Studies (JDST)
 Mathematics (MATH)
 Military Science (ARMY)
 Naval Science (NAVY)
 Philosophy (PHIL)
 Physics (PHYS)
 Political Science (POLS)
 Open Learning Fire Services Program (PADM)
 Public and Nonprofit Administration (PADM)
 Psychology (PSYC)
 Religious Studies (RLGN)
 Social Work (SWRK)
 Sociology (SOCI)
 Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
 Chinese (CHIN)
 Classics (CLAS)
 French (FREN)
 German (GERM)
 Greek (GREK)
 Hebrew (HEBR)
 Italian (ITAL)
 Japanese (JAPN)
 Languages and Literature (LALI)
 Latin (LATN)
 Portuguese (PORT)
 Russian (RUSS)
 Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
 Business Administration (BA)
 Supply Chain Management Science (SCMS)
 Economics (ECON)

Electives may be chosen to bring the total number of semester hours to 120.

E. Second Major in Computer Science for Engineering Majors (33 hours)

Twenty-four (24) semester hours in courses offered through the Department of Computer Science, including COMP 2150, 3160, 3715, 4030, 4081, 4270, six (6) semester hours in upper-division COMP courses, and nine (9) additional hours of computer science related courses. Coursework must be chosen in consultation with approval of an advisor in the Department of Computer Science.

F. Second Major in Computer Science for Majors in Biology, Chemistry, Mathematical Sciences, and Physics (34 hours)

Twenty-eight (28) semester hours in courses offered through the Department of Computer Science, including COMP 1900 (4), 2150, 3160, 3715, 4030, 4081, nine (9) semester hours in upper-division COMP courses, and six (6) additional hours of computer science related courses. Coursework must be chosen with approval of an advisor in the Department of Computer Science.

Computer Science Minor

Completion of 22 semester hours in computer science courses, including COMP 1900 (4), 2150, 3160, 3715 and 9 additional upper division semester hours.

Computer Science Honors Designation

A student will earn the designation "with Honors in Computer Science" upon graduation having complied with the following requirements:

1. Be admitted into the Computer Science Honors Program by the Department upon formal request for consideration by the student;
2. Have a cumulative GPA of at least 3.0 and a GPA of at least 3.60 in Computer Science (COMP) courses satisfying degree requirements;
3. Fifteen (15) credit hours in courses designated "Honors" in the the Computer Science program and satisfying degree requirements;
4. At least two courses taken as honors sections in the core sequence COMP 1900, COMP 2150, and COMP 3160;
5. At least three (3) credit hours from the following courses taken as honors sections: COMP 4901 (independent study), COMP 4996 (senior thesis), and COMP 4882 (capstone software project).

Accelerated B.S./M.S. Program in Computer Science

This program allows outstanding undergraduates to begin the coursework for the Master of Science in Computer Science during their senior year. Students are encouraged to begin planning to enter the Accelerated B.S./M.S. program early in their undergraduate career, in consultation with their advisor in the Department of Computer Science.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.S. degree while they also begin the coursework toward their M.S.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Computer Science department. Each applicant will complete an interview with the graduate academic coordinator in computer science.

Students must also apply to the Graduate School for the accelerated B.S./M.S. program, which allows them to take graduate courses in computer science. To continue in the program past the B.S., students must apply for full admission into the Graduate School and into the Computer Science department's M.S. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Typical 4-Year Computer Science Sequence

Freshman Year

COMP 1900	4	COMP 2150	3
MATH 1910	4	MATH 1920	4

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

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Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

ENGL 1010	3	COMP 2700	3
History*	3	ENGL 1020	3
Foreign Language/B.S.	3	Foreign Language/B.S.	3
		COMP 2701	1
Semester Totals	17 hrs		17 hrs

Sophomore Year

COMP 3160	3	COMP 3410	3
Natural Science**	4	Natural Science*	4
COMM 2381	3	COMP 3715	3
History*	3	Humanities*	3
Social/Behavioral Science*	3	Social/Behavioral Science*	3
Semester Totals	16 hrs		16 hrs

Junior Year

COMP 3825	3	COMP 4601	3
MATH 3242	3	COMP 4030	3
COMP 4040	3	Humanities*	3
Natural Science**	4	UD Social Science/B.S.	3
ENGL 2201 or 2202	3	Elective	2
Semester Totals	16 hrs		14 hrs

Senior Year

COMP 4081	3	Elective	3
MATH 4614	3	COMP 4882	3
COMP 4270	3	UD COMP elective	3
COMP elective	3	Humanities/B.S.	3
Semester Totals	12 hrs		12 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**Natural Science - One sequence and one additional course/lab from: PHYS 2110/2111, PHYS 2120/2121; OR CHEM 1110/1111, CHEM 1120/1121; OR BIOL 1110/1111, BIOL 1120/1121.

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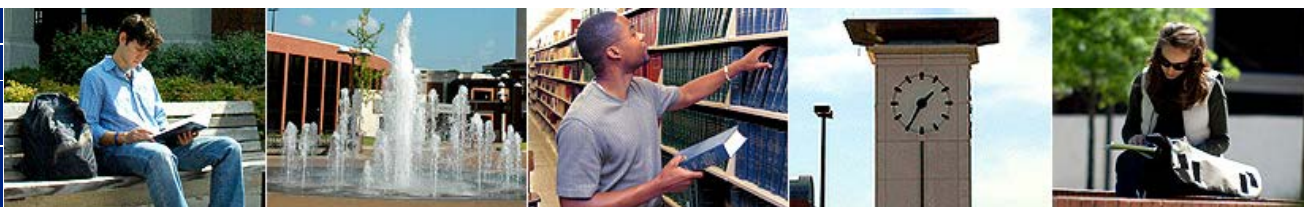
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Criminology and Criminal Justice

School of Urban Affairs and Public Policy

Department of Criminology and Criminal Justice

Criminology and Criminal Justice Major (B.A.)

Program objectives for a B.A. in Criminology and Criminal Justice are: (a) exhibit an understanding of the important functions, organization, and fundamental concepts of the operation of the criminal justice system (police, law/courts, corrections) in a democratic society; (b) acquire knowledge of the development of the components of the criminal justice system from an historical and cross-cultural perspective; (c) know the major theorists and theoretical orientations that help explain criminal behavior; (d) be able to understand, analyze, and critically evaluate basic research and data relevant to crime and the criminal justice system; (e) demonstrate an ability to formulate a thesis and to gather and critically assess information appropriate to a topic under study; (f) have the ability to effectively communicate both in written and oral form; (g) have an understanding of career and educational options that a bachelor's degree in Criminology and Criminal Justice provides

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. College and Degree (B.A.) Requirements (12-16 hours)

The [College and Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements.

C. The Major (36 hours)

Completion of 36 semester hours of criminology and criminal justice including CJUS 1100, either 2226, or 2326 or 2426, 3130, 3540 and 4110, plus 21 additional hours in criminology and criminal justice, of which at least 15 hours must be at the upper-division level. Students will be allowed no more than 6 hours of credit toward the degree in non-classroom courses such as internships and individual directed studies.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

E. Honors Program

Majors who have completed at least 55 hours of coursework (with at least 9 hours in Criminology & Criminal Justice) and have a 3.25 or higher departmental and overall grade point average are invited to apply for admissions to the department's honors program. Students who are admitted must complete 15 hours of honors coursework in the Department, with at least 9 hours being upper-division criminal justice courses. Honor students must maintain a grade point average of at least 3.25. Students who complete the program and the regular college requirement will be recognized at the commencement ceremony by having their degrees conferred "With Honors in Criminology and Criminal Justice." The student's diploma and the official record at The University of Memphis will also reflect this accomplishment.

Criminology and Criminal Justice Minor

Completion of 18 hours in criminal justice courses including CJUS 1100, either 2226 or 2326 or 2426 and 3130 and 3540, and 6 additional upper-division hours in Criminology and Criminal Justice courses.

Typical 4-Year Criminology and Criminal Justice Sequence

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

Freshman Year

CJUS 1100	3	Nat. Sci./Math/B.A.	3-4
ENGL 1010	3	ENGL 1020	3
MATH*	3-4	CJUS 2226, 2326, or 2426	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
Elective	3	Social/Behavioral Science*	3
Semester Totals	15-16 hrs		15-16 hrs

Sophomore Year

ENGL 2201 or 2202	3	Social/Behavioral Science*	3
CJUS LD elective	3	Elective	3
Humanities*	3	Natural Science*	4
Natural Science*	4	Fine Arts*	3
History*	3	CJUS 3130	3
Semester Totals	16 hrs	Semester Totals	16 hrs

Junior Year

History*	3	UD Humanities/B.A.	3
Elective	3	CJUS UD elective	3
CJUS 3540	3	UD elective outside major	3
CJUS UD elective	3	Elective	3
COMM 2381	3	CJUS UD elective	3
Semester Totals	15 hrs		15 hrs

Senior Year

CJUS UD elective	3	CJUS UD elective	3
CJUS elective	3	UD elective	3
UD elective outside major	3	CJUS 4110	3
UD elective outside major	3	Elective outside major	4
UD elective outside major	3		
Semester Totals	15 hrs		13 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Finance (FIR)
 Hospitality and Resort Management (HPRM)
 Management Information Systems (MIS) Management (MGMT)
 Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
 Art (ART)
 Art History (ARTH)
 Communication (COMM)
 Communication/Fine Arts (CCFA)
 Dance (DANC)
 Interior Design (IDES)
 Journalism (JOUR)
 Theatre (THEA)

Music

Applied Music (MUAP)
 Music Appreciation (MUS)
 Music Education (MUSE)
 Music History, Literature, and Appreciation (MUHL)
 Music Industry (MUID)
 Music Theory and Composition (MUTC)
 Sacred Music (MUSA)

College of Education, Health and Human Sciences**Counseling, Educational Psychology and Research**

Counseling and Personnel Services (COUN)
 Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
 Health and Human Performance (EXSS)
 Health and Sport Sciences (HMSE)
 Health Promotion (HPRO)
 Physical Education Activities (PHED)
 Physical Education Teacher Education (PETE)
 Sport and Leisure Commerce (SLC)
 Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

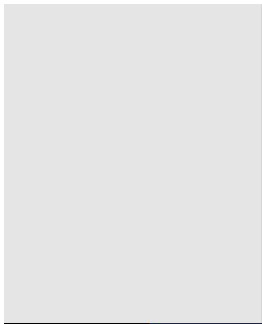
Early Childhood Education (ECED)
 Educational Services (EDSV)
 Elementary Education (ELED)
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University College

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Earth Sciences

EARTH SCIENCES

Department of Earth Sciences

Earth Sciences Major (B.A.)

Program objectives are: (a) be able to demonstrate an understanding of the fundamental principles, concepts and knowledge of the discipline Earth Sciences (b) have knowledge of the effects of natural processes and human activity on the environment; (c) be able to address, solve and communicate geographic problems using quantitative methods and geographic techniques; (d) be able to critically examine community problems and develop coherent solutions to urban and other land management issues; (e) demonstrate effective written, oral and visual communication skills.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. College and Degree (B.A.) Requirements (12-16 hours)

The [College and Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements.

C. The Major (35-49 hours)

1. Core Requirements (7 hours):

All students must take ESCI 1020 (4) and ESCI 4515 (3). In addition, all students must fulfill the requirements for one of the following concentrations:

2. Concentration (28-42 hours):

a. Geoarchaeology (36 hours): ESCI 1103 (4), 2301 (4), 4202 (4), 4270, 4301, 4325, 4350, 4352, 4521; and six upper division hours as approved by advisor.

b. Geography (28 hours): ESCI 1010 (4), or 1050 (4), or 1103 (4); ESCI 1401 or 3430; ESCI 1301 or 4307; ESCI 4521; and 15 additional upper division hours as approved by advisor.

c. Geology (41-42 hours): ESCI 1040 (4), 1050 (4), 3311 (4), 3512 (4), 3712 (4), 4622 (6); CHEM 1110/1111 (4) (taken as B.A. degree requirement) and CHEM 1120/1121 (4); PHYS 2010/2011 (4) and 2020/2021 (4); MATH 1910 (4) (taken as University General Education requirement); and 3-4 ESCI upper division hours approved by advisor.

D. Electives (12-16 hours)

Electives may be chosen to bring the total number of hours to 120.

Earth Sciences Minor

Completion of 20 semester hours in earth sciences courses, at least 9 of which must be upper division hours.

Typical 4-Year Geoarchaeology Concentration Sequence

Freshman Year

Humanities/Fine Arts*	3	Nat. Sci./Math/B.A	3-4
MATH*	3-4	Elective	3
ENGL 1010	3	ENGL 1020	3

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
 African and African American Studies (AAAS)
 Anthropology (ANTH)
 Biology (BIOL)
 Chemistry (CHEM)
 Computer Science (COMP)
 Criminology and Criminal Justice (CJUS)
 Earth Sciences (ESCI)
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 Judaic Studies (JDST)
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 Military Science (ARMY)
 Naval Science (NAVY)
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 Physics (PHYS)
 Political Science (POLS)
 Open Learning Fire Services Program (PADM)
 Public and Nonprofit Administration (PADM)
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 Religious Studies (RLGN)
 Social Work (SWRK)
 Sociology (SOCI)
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 Greek (GREK)
 Hebrew (HEBR)
 Italian (ITAL)
 Japanese (JAPN)
 Languages and Literature (LALI)
 Latin (LATN)
 Portuguese (PORT)
 Russian (RUSS)
 Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
 Business Administration (BA)
 Supply Chain Management Science (SCMS)
 Economics (ECON)

Elective	3	Social/Behavioral Science*	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
Semester Totals	15-16 hrs		15-16 hrs

Sophomore Year

ESCI 1020	4	ESCI 1103	4
ENGL 2201 or 2202	3	COMM 2381	3
Social/Behavioral Sciences*	3	UD elective	2
Fine Arts*	3	History*	3
Elective	3	Elective	3
Semester Totals	16 hrs		15 hrs

Junior Year

ESCI 2301	4	History*	3
ESCI 4515	3	ESCI 4325	3
UD elective	3	UD ESCI	3
UD elective	3	UD Humanities/B.A.	3
Elective	3	Elective	3
Semester Totals	16 hrs		15 hrs

Senior Year

ESCI 4270	3	ESCI 4352	3
ESCI 4301	3	ESCI 4350	3
ESCI 4202	4	ESCI 4521	3
UD ESCI	3	Elective	3
Elective	3		
Semester Totals	16 hrs		12 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Geography Concentration Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
MATH*	3-4	Math/Nat. Science/B.A.	3-4
Humanities/Fine Arts*	3	Social/Behavioral Science*	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
Elective	3	Elective	3
Semester Totals	15-16 hrs		15-16 hrs

Sophomore Year

ENGL 2201 or 2202	3	COMM 2381	3
ESCI 1301	3	UD elective	3
Fine Arts*	3	Elective	3

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 Marketing (MKTG)

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 Music Education (MUSE)
 Music History, Literature, and Appreciation (MUHL)
 Music Industry (MUID)
 Music Theory and Composition (MUTC)
 Sacred Music (MUSA)

College of Education, Health and Human Sciences**Counseling, Educational Psychology and Research**

Counseling and Personnel Services (COUN)
 Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
 Health and Human Performance (EXSS)
 Health and Sport Sciences (HMSE)
 Health Promotion (HPRO)
 Physical Education Activities (PHED)
 Physical Education Teacher Education (PETE)
 Sport and Leisure Commerce (SLC)
 Sport and Leisure Management (SLS)

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 Educational Services (EDSV)
 Elementary Education (ELED)
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 Instructional Design and Technology (IDT)
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 Civil Engineering (CIVL)
 Electrical and Computer Engineering (EECE)
 Engineering (ENGR)
 Mechanical Engineering (MECH)
 Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

ESCI 1010/1050/1103	4	ESCI 1020	4
Elective	3	History*	3
Semester Totals	16 hrs		16 hrs

Junior Year

ESCI 1401 or 3430	3	History*	3
ESCI 4515	3	UD ESCI	3
UD ESCI	3	UD Humanities/B.A.	3
UD elective	3	Elective	3
Elective	3	UD Elective	3

Semester Totals	15 hrs		15 hrs
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Senior Year

ESCI 4521	3	UD ESCI	3
UD ESCI	3	UD ESCI	3
UD elective	3	UD elective	3
UD elective	3	Elective	4
Elective	3		

Semester Totals	15 hrs		13 hrs
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Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Geology Concentration Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
ESCI 1020	4	ESCI 1040	4
Elective	4	MATH 1910	4
Foreign Language/B.A.	3	Foreign Language/B.A.	3

Semester Totals	14 hrs		14 hrs
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Sophomore Year

CHEM 1110/1111	4	CHEM 1120/1120	4
ESCI 1050	4	Fine Arts*	3
COMM 2381	3	ENGL 2201 or 2202	3
Humanities/Fine Arts*	3	ESCI 3311	4

Semester Totals	14 hrs		14 hrs
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Junior Year

History*	3	History*	3
PHYS 2010/2011	4	PHYS 2020/2021	4
ESCI 3712	4	ESCI 3512	4
UD Humanities/B.A.	3	Social/Behavioral Sciences*	3

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University College (UNIV)

Independent Programs

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University Honors Program (UNHP)
University of Memphis Libraries (LBRY)
Interdisciplinary Studies (INTD)

Semester Totals	14 hrs		14 hrs
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Summer of Third or Fourth Year

ESCI 4622 Summer Field Camp 6 hrs

Senior Year

UD ESCI	4	Elective	3
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ESCI 4515	3	Elective	3
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UD elective	3	UD elective	4
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Social/Behavioral Sciences*	3	UD elective	3
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		UD elective	3
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Semester Totals	13 hrs		17 hrs
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Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

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Economics

Department of Economics

The Department of Economics is located in the Fogelman College of Business and Economics.

Economics Major (B.A.)

Program objectives can be found in the Business Economics major in the Fogelman College of Business and Economics section.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. College and Degree (B.A.) Requirements (12-16 hours)

The [College and Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements.

C. The Major (30 hours)

Completion of 30 semester hours, including ECON 2010, 2020, 3310, 3320, and 18 additional upper division semester hours in economics courses as approved by the department advisor.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

Economics Minor

To receive a minor in Economics, a student is required to take 18 credit hours, (six courses) in economics. Six of those hours (two courses) must be ECON 2010 and ECON 2020. Of the remaining 12 hours (four courses), all of them must be upper-division courses in economics, i.e., 3000-level or 4000-level courses. One of those courses must be either Microeconomic Theory (ECON 3310) or Macroeconomic Theory (ECON 3320). The other three courses (nine hours) are upper-division elective courses.

E. Honors Program

To be considered eligible for the Honors Degree Program in Economics, the student must:

1. Maintain a minimum grade of B in honors sections of both ECON 2010 (Introduction to Macroeconomics) and ECON 2020 (Introduction to Microeconomics).
2. Obtain the recommendation of a faculty member in the Department of Economics to the Department Honors Committee.

Once accepted to the Honors Degree Program in Economics, the student must

1. Maintain an average GPA of 3.25 in all economics courses to continue in the program.
2. Have a minimum GPA of 3.5 in all economics courses at graduation.
3. Enroll in ECON 3310 (Microeconomic Theory) and ECON 3320 (Macroeconomic Theory) with an honors contract. Those contracts will be discussed with and approved by the faculty member teaching each course.
4. Write an honors thesis. This begins with finding a faculty advisor for the thesis project, discussing a thesis topic, then writing the thesis. The honors thesis typically takes one semester to complete, although work on it can begin early. When working on the honors thesis, the student will enroll in a section of ECON 4996 (Honors Thesis in Economics) for up to one semester. The completed thesis will be graded by the faculty advisor.

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
 African and African American Studies (AAAS)
 Anthropology (ANTH)
 Biology (BIOL)
 Chemistry (CHEM)
 Computer Science (COMP)
 Criminology and Criminal Justice (CJUS)
 Earth Sciences (ESCI)
 English (ENGL)
 Emergency Management (EMGT)
 Environmental Studies (ENVR)
 Health Administration (HADM)
 History (HIST)
 International Studies (INTL)
 Judaic Studies (JDST)
 Mathematics (MATH)
 Military Science (ARMY)
 Naval Science (NAVY)
 Philosophy (PHIL)
 Physics (PHYS)
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 Social Work (SWRK)
 Sociology (SOCI)
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Foreign Languages and Literatures

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 Greek (GREK)
 Hebrew (HEBR)
 Italian (ITAL)
 Japanese (JAPN)
 Languages and Literature (LALI)
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 Portuguese (PORT)
 Russian (RUSS)
 Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
 Business Administration (BA)
 Supply Chain Management Science (SCMS)
 Economics (ECON)

Upon successfully completing all these requirements, the student will be recognized at the commencement ceremony by having their degree conferred "With Honors in Economics." Moreover the student's diploma and the record at the University of Memphis will reflect this accomplishment.

Accelerated B.A./M.A. Program in Economics

This program allows outstanding undergraduates to begin the coursework for the Master of Arts in Economics during their senior year. Students are encouraged to begin planning to enter the Accelerated B.A./M.A. program early in their undergraduate career, in consultation with their advisor in the Department of Economics.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.A. degree while they also begin the coursework toward their M.A.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Economics department. Each applicant will complete an interview with the graduate academic coordinator in economics.

Students must also apply to the Graduate School for the accelerated B.A./M.A. program, which allows them to take graduate courses in economics. To continue in the program past the B.A., students must apply for full admission into the Graduate School and into the Economics department's M.A. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Typical 4-Year Economics Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH*	3-4	Nat. Sci./Math/B.A.	3-4
Humanities/Fine Arts*	3	Fine Arts*	3
Elective	3	ECON 2010	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3

Semester Totals	15-16 hrs	15-16 hrs
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Sophomore Year

ENGL 2201 or 2202	3	History*	3
Natural Science*	4	Elective	3
Elective	3	Natural Science*	4
ECON 2020	3	Elective	3
History*	3	COMM 2381	3

Semester Totals	16 hrs	16 hrs
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Junior Year

Humanities/B.A.	3	UD elective	3
UD elective	3	UD elective	3
UD elective	3	Elective	3
UD ECON elective	3	ECON 3320	3
ECON 3310	3	UD ECON elective	3

Semester Totals	15 hrs	15 hrs
-----------------	--------	--------

Finance (FIR)
Hospitality and Resort Management (HPRM)
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Marketing (MKTG)

College of Communication and Fine Arts

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Art History (ARTH)
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Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Senior Year

Elective	3	UD ECON	3
UD ECON	3	UD ECON	3
UD ECON	3	UD Elective	3
Elective	3	Elective	4
Elective	3		

Semester Totals 15 hrs 13 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120




*Must satisfy University General Education Program Requirement

University College

[Family and Consumer Science \(CSED\)](#)
[Paralegal Studies \(LEGL\)](#)
[University College \(UNIV\)](#)

Independent Programs

[Orientation Program \(ACAD\)](#)
[University Honors Program \(UNHP\)](#)
[University of Memphis Libraries \(LBRY\)](#)
[Interdisciplinary Studies \(INTD\)](#)

Campus Directory	Emergency Management Minor
Calendar 2013 - 2014	
Degree Program and Planning	Emergency Management Minor
Description of the University	Interdisciplinary Studies Office
Services to Students	The interdisciplinary Emergency Management Minor is designed for students with a diversity of backgrounds and interest in applying that background to emergency management, community resilience to disaster, environmental hazards mitigation, emergency management response, and business continuity/disaster recovery, and will address the following critical knowledge:
Expenses	
Academic Regulations	
Admissions	<ul style="list-style-type: none"> ▪ the physical and social dimensions of disasters through combining knowledge from various physical, social, and applied disciplines; ▪ the intersection of public policy to disaster risk, response, and mitigation; ▪ the intersection of the private, nonprofit, and governmental sectors and how this effects emergency preparedness, mitigation, and recovery; ▪ sustainable development, planning for and response to extreme events and change in our physical and human landscapes; and ▪ communication dynamics and persuasive communication.
Graduation from the University	
Colleges and Degree Programs	
Course Descriptions	
Faculty and Staff	A. The Minor
Catalog Archive and University Links	18 semester hours, 9 hours from the core and 9 hours from the list of approved electives.
Class Offerings	B. Core (9 hours)
Quick Links	1. EMGT 3100 Seminar on Emergency Management (3) or PADM 3611 Disaster Planning/Control (3)
Search the catalog:	2. ESCI 4251 Environmental Hazards (3) or ESCI 4220, Geol/Hazards/Earthquakes (3)
	3. Capstone Experience: pre-approved internship experience related specifically to emergency management policy, procedures, planning, etc. Alternatively, the student could complete a research seminar/project on a relevant and pre-approved emergency management topic.
	EMGT 4000 Internship (3) or ESCI 4621 Investigations in Geography (3) or CJUS 4190 Terrorism: Social and Legal Perspectives.
	C. Electives (9 hours)
	Select at least one course (3 hours) from each of the following groups not taken to fulfill the core requirements:
	1. Physical: ESCI 4251, Environmental Hazards; ESCI 4220 Geol/Hazards/Earthquakes; ESCI 4551 Urban Planning Studio; ARCH 4551 Site and Environmental Planning
	2. Human (Social/Cultural/Legal/Political): CJUS 4190 Terrorism: Social and Legal Perspectives; ANTH 4510 Health, Culture, Environmental Justice; PADM 3601 Introduction to Public Administration; PADM 4221 Issues in Urban Administration; SOCI 3701 Individual and Society; SOCI 3401 Social Inequality; ANTH 4510 Health/Culture/Environmental Justice or ANTH 4220 Cultural Perspectives/Environment; COMM 3002 Theories/Human Communication; COMM 3322 Theories of Persuasion
	With approval from the Emergency Management advisor, special topics courses related to emergency management topics may be substituted to fulfill requirements for the minor.

Campus Directory

Calendar 2013 - 2014

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English

Department of English

English Major (B.A.)

Program objectives for a B.A. in English are: (a) to develop skills in critical thinking, reading, and writing; (b) to have opportunities to consider the relationships among language, literature, culture, and writing; (c) to concentrate study of these interrelated areas in one of six endeavors, each with its own particular focus: African American literature, applied linguistics, creative writing, English as a second language, literature, and professional writing.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. College and Degree (B.A.) Requirements (12-16 hours)

The [College and Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements.

C. The Major (42 hours)

1. Major Core: Completion of 21 semester hours in English courses (chosen with approval of departmental advisor), including ENGL 1010, 1020; 2201 or 2202 (these courses are included in the University General Education Program requirements), ENGL 3210, 3220, and 3327; one course from ENGL 3501, 3511, 3604, 3701, 4501, 4602, 4604, or 4605. Students in the Creative Writing Concentration must take either ENGL 4599, 4604 or 4605. Students in the Professional Writing Concentration must take either ENGL 3604 or 4602. (see note 2).

2. Concentration (12 hours)

a. African-American Literature: 12 semester hours including ENGL 3325, 3326, 4372, and 4373.

b. Creative Writing: 12 semester hours including: 1) 6 hours composed of ENGL 3606 and either 3607 or 3608; and 2) 6 hours of 4000-level workshop courses: 4600, 4601, or 4603. Students planning to apply for graduate school in Creative Writing should consult closely with a faculty advisor in Creative Writing and should plan on taking two or more of their 4000-level courses (workshops and forms courses) in a single genre (poetry, fiction, or creative nonfiction).

c. English as a Second Language: 12 hours from ENGL 4101-4109 (only in ESL), 4530, 4531, 4532, 4533. With approval of advisor, a maximum of 6 hours in Language and Linguistics courses may be substituted for ESL courses.

d. Language and Linguistics: 12 hours from ENGL 3501, 3511, 3521, 4501-4521, 4540-4550.

e. Literature: 12 hours from ENGL 3100-3119 (only in literature), 3211-3215, 3221-3224, 3325-3401, 3404, 3701, 4001 (only in literature), 4230-4472, 4711. At least 6 of these hours must be in 4000-level courses. No more than 3 hours of ENGL 3325, 3326, 4372, and 4373 may be applied to the Literature concentration.

f. Professional Writing: 12 hours including ENGL 3601, 3602, one course from 4618 or 4619, and one course from 4101-4109 (only in professional writing), 4602, 4606-4615, 4616, 4618, 4619, 4630.

Note the following:

(1) Students should see the English advisor who will explain the advantages of the

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[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

various concentrations and assist students in developing an appropriate program of study.

(2) Courses taken to satisfy the core requirements may not be used to satisfy concentration requirements.

(3) No more than a total of six (6) hours in ENGL 3100-3109, ENGL 4101-4109, and 3 hours in ENGL 4900 may be applied to the English major.

(4) Students who wish to satisfy the requirements for both the English major and the endorsement to teach English in high school should consult the College of Education, Health and Human Sciences for licensure requirements.

(5) ENGL 3500 and 3603 may not be used to satisfy any requirement for the English major.

(6) ENGL 4900 and 4996 may not be used to satisfy required hours in any concentration.

D. Electives

Nine hours of upper-division ENGL courses.

E. Honors Program

Honors sections of the required English courses on the freshman and sophomore levels (ENGL 1010, 1020, 2201, 2202) are offered through the University Honors program and are open to qualified students regardless of their major. On the junior and senior level, the Department of English offers an honors track open only to English majors, who are eligible to apply for admission to the program if they have a grade point average of 3.25 in their overall studies and in English. Honors students take special courses during their junior and senior years and write a senior honors thesis. Those students who complete the program and the regular college requirements will be recognized at the commencement ceremony by having their degree conferred "With Honors in English." Moreover, the student's diploma and the record at the University of Memphis will reflect this distinction. Details of the program are available at the Department of English office.

English Minor

Completion of 12 upper division hours in English (excluding ENGL 3500 and 3603).

Accelerated B.A./M.A. Program in English

This program allows outstanding undergraduates to begin the coursework for the Master of Arts in English during their senior year. Students are encouraged to begin planning to enter the Accelerated B.A./M.A. program early in their undergraduate career, in consultation with their advisor in the Department of English.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.A. degree while they also begin the coursework toward their M.A.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the English department. Each applicant will complete an interview with the graduate academic coordinator in English.

Students must also apply to the Graduate School for the accelerated B.A./M.A. program, which allows them to take graduate courses in English. To continue in the program past the B.A., students must apply for full admission into the Graduate School and into the English department's M.A. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Typical 4-Year English Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
Humanities*	3	Nat. Sci./Math/B.A.	3-4
MATH*	3-4	Fine Arts*	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
Elective	3	Elective	3

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
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Instruction and Curriculum Leadership

Early Childhood Education (ECED)
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Herff College of Engineering

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Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Semester Totals		15-16 hrs	15-16 hrs
Sophomore Year			
ENGL 2201 or 2202	3	ENGL 3210	3
History*	3	History*	3
Elective	3	Elective	3
Natural Science*	4	Natural Science*	4
COMM 2381	3	Elective	3
Semester Totals		16 hrs	16 hrs
Junior Year			
ENGL 3220	3	ENGL 3327	3
ENGL conc. elective	3	ENGL conc. elective	3
Social/Behavioral Science*	3	Social/Behavioral Science*	3
UD elective	3	Elective	3
Elective	3	UD ENGL elective	3
Semester Totals		15 hrs	15 hrs
Senior Year			
ENGL core elective	3	UD ENGL elective	3
ENGL conc. elective	3	ENGL conc. elective	3
UD Social Science/B.A.	3	UD ENGL elective	3
UD elective	3	Elective	4
Elective	3		
Semester Totals		15 hrs	13 hrs
Total Hours: 120-122			
Total Hours Required for Graduation: 120			
*Must satisfy University General Education Program Requirement			

University College

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Environmental Studies

[Interdisciplinary Studies Office](#)

[Environmental Studies Minor](#)

The Interdisciplinary Environmental Studies Minor Program is intended to provide all students with the opportunity to obtain a broad-based knowledge of the environmental issues facing our planet, knowledge that spans both the biological-physical threats and solutions as well as behavioral-social-economic implications. One core course (ENVR 4000--Environmental Studies Directed Research) is required of all students.

The Minor:

Students pursuing behavioral-humanistic emphasis must select two natural science courses with the corresponding laboratory from the following: BIOL 1020/1021, CHEM 1010/1011, ESCI 1020, and select three courses with a behavior-humanistic emphasis from the following: ANTH 4220, ANTH 4510, ECON 3024, ESCI 4201, PHIL 3515, POLS 4512.

Students pursuing an environmental science emphasis must select two natural science courses from different disciplines from the following: BIOL 3050, BIOL 4055, CHEM 4001, ESCI 4251, ESCI 4252, PHYS 4222, and select three courses with a behavioral-humanistic emphasis from the following: ANTH 4220, ANTH 4510, ECON 3024, ESCI 4201, PHIL 3515, POLS 4512.

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
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[Physics \(PHYS\)](#)
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[Public and Nonprofit Administration \(PADM\)](#)
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[Portuguese \(PORT\)](#)
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[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

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[Economics \(ECON\)](#)

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
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College of Communication and Fine Arts

Architecture (ARCH)
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Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
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Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
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Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

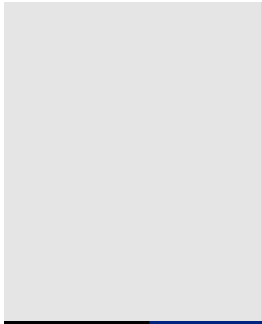
Early Childhood Education (ECED)
Educational Services (EDSV)
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Foreign Languages

Department of Foreign Languages and Literatures

Foreign Languages Major (B.A.)

Program objectives for a B.A. in Foreign Languages are: (a) have functional control of the appropriate fundamental language skills for the principal language of the major. For modern languages, these include speaking, listening, reading, and writing. For ancient languages, these include reading, reciting in a standard scholarly reconstructed pronunciation, and the ability to analyze grammatical structures in detail; (b) be able to describe and critically evaluate the cultural assumptions and points of view of the targeted culture(s) of their principal language of concentration; (c) Be able to describe and appreciate the interplay of literature, language, history, and culture in the principal language of concentration.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. College and Degree (B.A.) Requirements (12-16 hours)

The [College and Bachelor of Arts](#) requirements are in addition to the University General Education Program requirements and are listed above.

C. The Major (24-33 hours)

Successful completion of one of the following concentrations:

1. A single-language concentration in French, German, Japanese, Latin, or *Spanish: 24 upper division semester hours.
2. A two-language concentration chosen from Chinese, French, German, Greek, Italian, Japanese, Latin, Portuguese, Russian, and Spanish: 27 upper division semester hours with a minimum of 9 semester hours in each language.
3. A three-language concentration chosen from Chinese, French, German, Greek, Italian, Japanese, Latin, Portuguese, Russian, and Spanish: All three language concentrations require prior consultation with the approval of the department chair. Plans will normally include at least 33 upper division semester hours to include at least 12 semester hours in each of two languages plus approved course work in a third language.

NOTE: With the approval of the Head of the Classics Section, up to 6 credit hours in upper division Classics courses may be applied toward a concentration in Greek or Latin.

Foreign Language majors who minor in International Business are encouraged to include Advanced Composition and Conversation (6 hours) and two courses for commerce (6 hours) as part of their major.

* Students with a single-language concentration in Spanish must take SPAN 4410, 4510 and 4563.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

E. Foreign Languages Minor

Completion of 18 semester hours consisting of (1) courses numbered 1020, 2010, and either 2020 or 2021 (or their equivalents) in the foreign language in which upper division hours are to be taken, and (2) 9 upper division semester hours in one of the following languages: Chinese, French, German, Greek, Italian, Japanese, Latin, Russian, or Spanish. Students placing directly into 2010 or higher on the Foreign Language

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Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
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Women's Studies (WMST)

Foreign Languages and Literatures

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Fogelman College of Business and Economics

Accountancy (ACCT)
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placement exam may complete the requirements for the minor by either: (1) applying for retroactive credit for 1020 and any subsequent courses out of which they have placed; or (2) completing additional upper-division hours to bring the total number of hours for the minor to 18.

Typical 4-Year French Concentration Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH*	3-4	Nat. Sci./Math/B.A.	3-4
Social/Behavioral Science*	3	Social/Behavioral Science*	3
Elective	3	Humanities*	3
FREN 2010	3	FREN 2020	3
Semester Totals	15-16 hrs		15-16 hrs

Sophomore Year

COMM 2381	3	Elective	3
Elective	3	Elective	3
Natural Science*	4	Natural Science*	4
ENGL 2201 or 2202	3	FREN 3302	3
FREN 3301	3	UD FREN	3
Semester Totals	16 hrs		16 hrs

Junior Year

History*	3	History*	3
Fine Arts*	3	Elective	3
Elective	3	UD FREN	3
UD FREN	3	UD Social Science/B.A.	3
UD elective	3	Elective	3
Semester Totals	15 hrs		15 hrs

Senior Year

UD FREN	3	UD FREN	3
UD FREN	3	UD elective	3
Elective	3	UD elective	3
UD elective	3	Elective	4
UD elective	3		
Semester Totals	15 hrs		13 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Spanish Concentration Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH*	3-4	Nat. Sci./Math/B.A.	3-4
Social/Behavioral Science*	3	Social/Behavioral Science*	3
SPAN 2010	3	SPAN 2020	3

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
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Interior Design (IDES)
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Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
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College of Education, Health and Human Sciences

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Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
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Reading (RDNG)
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Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Elective	3	Humanities	3
Semester Totals	15-16 hrs		15-16 hrs
Sophomore Year			
COMM 2381	3	UD elective	3
Fine Arts*	3	Elective	3
Natural Science*	4	Natural Science*	4
UD SPAN	3	UD SPAN	3
ENGL 2201 or 2202	3	UD SPAN	3

Semester Totals	16 hrs		16 hrs
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Junior Year

History*	3	History*	3
UD SPAN	3	Elective	3
Elective.	3	Elective	3
Elective	3	UD Social Science/B.A.	3
UD elective	3	SPAN 4563	3

Semester Totals	15 hrs		15 hrs
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Senior Year

Elective	3	SPAN 4510	3
SPAN 4410	3	UD elective	3
UD SPAN	3	UD elective	3
UD elective	3	Elective	4
Elective	3		

Semester Totals	15 hrs		13 hrs
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Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

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History

Department of History

The Department of History introduces students to the richness and complexity of the human experience through a curriculum that covers all major geographic areas and time periods, and emphasizes both the unity of that experience and the diversity resulting from such factors as cultural, social, and gender differences. We seek to develop not only a knowledge of the past, but also an appreciation of history as an intellectual discipline that employs a wide variety of scholarly methodologies in its effort to understand that past. Students are taught to think and work as historians: to read critically and analytically both primary and secondary sources, to appreciate the complexity of historical issues and multiplicity of historical views, and to investigate a historical question or problem and communicate the results of that investigation. Through this broad preparation, history majors acquire essential knowledge and critical skills, which provide valuable assets for a wide spectrum of professions and occupations as well as the fundamental basis for advanced study. Program objectives for a B.A. in History are: (a) a fundamental knowledge of the past, including key historical events, ideas, figures, movements, and periods; (b) an awareness of the diversity of historical experiences over time and space; (c) the ability to recognize, locate, analyze critically, and utilize primary and secondary sources; (d) the ability to recognize and evaluate differing historical interpretations and methodologies; (e) the ability to research a topic thoroughly using both primary and secondary sources, and to present a clear and well-written historical argument based on that research; (f) express a high degree of satisfaction with the quality of the education received in that program.

History Major (B.A.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. College and Degree (B.A.) Requirements (12-16 hours)

The [College and Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements.

C. The Major (33 hours)

Completion of 33 semester hours in history courses, including HIST 1110, 1120, 2010, 2020, and 21 additional upper division semester hours. Of the 21 upper division hours required for the major, a maximum of 12 may be taken in any one field (African, Ancient Asian, European, Latin American, Middle Eastern, United States). At least 3 of the 21 upper-division hours must be taken outside of the European and United States fields.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

E. Honors Program

History majors who have attained junior standing, successfully completed six semester hours of lower division history, and maintained a grade point average of at least 3.25 in overall studies and in history courses taken, are eligible for admission to the honors program in history. Students admitted to the program must take 18 hours of honors work, at least 12 of which must be taken in upper division history courses after admission to the departmental program. These 12 hours must include HIST 4003 or 4999 and 4996. Those who successfully complete the program and the regular B.A. requirements will have their degree conferred "With Honors in History." The student's diploma and the record at the University of Memphis will be similarly endorsed. A detailed description of the program, together with application forms for admission, may

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African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
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Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
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Hebrew (HEBR)
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Japanese (JAPN)
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Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

be obtained in the History Department office.

History Minor

Completion of 21 semester hours in history courses, including HIST 1110, 1120, 2010, 2020, and 9 additional upper division semester hours.

Typical 4-Year History Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH*	3-4	Nat. Sci./Math/B.A.	3-4
HIST 1110	3	HIST 1120	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
Elective	3	Social/Behavioral Sciences*	3
Semester Totals	15-16 hrs		15-16 hrs

Sophomore Year

ENGL 2201 or 2202	3	COMM 2381	3
HIST 2010	3	HIST 2020	3
Natural Science*	4	Natural Science*	4
Fine Arts/B.A.	3	Social/Behavioral Sciences*	3
Humanities/Fine Arts	3	UD elective	3
Semester Totals	16 hrs		16 hrs

Junior Year

Social Science/B.A.	3	Humanities/Fine Arts	3
Elective	3	Elective	3
Elective	3	UD HIST	3
UD HIST	3	UD HIST	3
UD HIST	3	UD elective	3
Semester Totals	15 hrs		15 hrs

Senior Year

UD HIST	3	UD HIST	3
UD HIST	3	UD elective	3
UD elective	3	UD elective	3
UD elective	3	Elective	4
Elective	3		
Semester Totals	15 hrs		13 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

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Hospitality and Resort Management (HPRM)
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Management (MGMT)
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College of Communication and Fine Arts

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Instruction and Curriculum Leadership

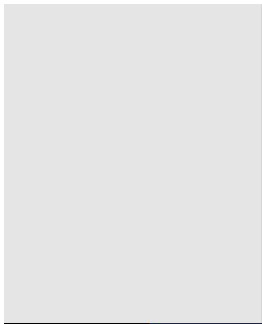
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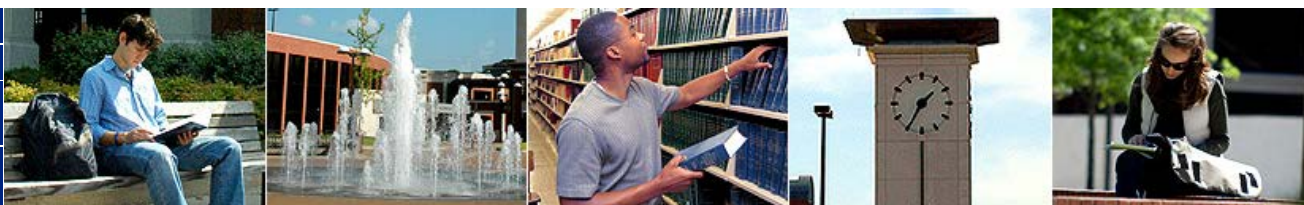
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International Studies

Interdisciplinary Studies Office

The International Studies program provides the opportunity to bring the knowledge of several traditional disciplines to bear upon a focal point of human relationships and problems that cross national and cultural boundaries. The program objectives are designed to serve the student who seeks knowledge of the range of contemporary and possible future problems that confront international society and an understanding of alternative national and cultural perspectives on solutions to those problems. The program also serves the needs of students planning a career in the Foreign Service or related agencies of the federal government and students preparing for employment abroad in the private sector, or in international organizations, private or public. The program objectives are to: (a) learn key issues of contention related to the international system; (b) learn central economic, historical, and political concepts related to the study of the international system; (c) demonstrate competency in at least one modern foreign language; (e) be able to conduct and present scholarly research on international issues; (f) complete at least one internationally-related experiential learning activity.

The program emphasis is on the course work in history, political science, economics, and geography, with contributions from other social science disciplines and art. Within the program, the student is required to concentrate a part of the work in the field of American foreign policy or in one of five areas of the world. Students are encouraged to pursue the study of a foreign language and to seek opportunities for travel and study abroad. The student's program should be planned in consultation with the Director of International Studies.

International Studies Major (B.A.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Noter that the following are required as prerequisites for upper-division courses in the International Studies major: Social Science - ECON 2020 and POLS 1501.

B. College and Degree (B.A.) Requirements (9-12 hours)

The [College and Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements and are listed above.

C. The Major (39 hours)

1. Core requirements (24 hours)

a. Select 15 hours from: ECON 4350, POLS 1501, POLS 4508, HIST 4260, INTL 4601.

b. Select 3 hours from each group: *International Political Processes* - ANTH 4220, 4415, POLS 3505, 3509, 4504; UNIV 3550; *International Economic Processes* - ECON 4230, 4351, ESCI 3430, POLS 3330, 4510; *International Development Processes* - ANTH 4413, 4415, ECON 3580, ESCI 4252, POLS 3325, 4512, SOCI 2100.

2. Concentration (9 hours)

a. *Global Processes*: Choose 3 courses in at least 2 disciplines

ANTH 4416, 4510, CJUS 4190, COMM 4375, FIR 4550, HIST 3803, 3811, 3817, 4053, HPRM 4400, JDST/UNIV 4511, MGMT 4510, 4810, MKTG 4530, PADM 4226, 4227, POLS 3320, 3340, 3506, 4315, 4506, 4511, PHIL 4805, SLS 4165, 4175.

b. *Area Studies*: Choose 3 courses in at least 2 disciplines

ANTH 3200, 3232, 3242, 4120, CJUS 2110, ENGL 3220, 4442, 4511, 4521, 4531, 4532, ESCI 1301, 1401, 4307, HIST 3122, 3211, 3212, 3273, 3275, 3282, 3291, 3302, 3506, 3815, 4066, 4145, 4162, 4213, 4221, 4222, 4272, 4283, 4286, 4288, 4292, 4294, 4461,

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Russian (RUSS)
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Economics (ECON)

JDST/UNIV 4820, PADM 4401, PHIL 3721, POLS 1301, 3302, 3306, 3309, 3310, 3340, 4307, UNHP 4250.

3. Foreign Language (6 hours)

In addition to the Bachelor of Arts language requirement, completion of an additional six hours in that same language at the 3000 level or higher.

4. Experiential Activity

Students are required to complete an international or experiential learning experience. This may be fulfilled through participation in a formal education abroad program or through foreign based work, service, or internship activities. A U.S.-based experience of an international nature or prior international experience may be considered. This experience must be approved by the Director.

D. Electives (21-22 hours)

Electives may be chosen to bring the total number of hours to 120.

International Studies Minor

Completion of 18 semester hours, consisting of (a) either POLS 1501, POLS 1301 or SOCI 2100, (b) INTL 4601, (c) one upper division course in a modern foreign language and (d) three upper division courses that count towards the IS major. A maximum of six hours from either study abroad or internship credits may be used towards fulfilling the requirements of the IS minor (subject to approval by the IS director).

Asian Studies Minor

A minimum of 18 semester hours, including CHIN 2010 and 2020, or JAPN 2010 and 2020, 6 semester hours from CHIN 4301, HIST 3291, 3817, 4292, 4294, or PHIL 3721, and 6 semester hours from ECON 4340, ESCI 4307, POLS 4307, or UNIV 4506.

Typical 4-Year International Studies Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
Elective	3	Nat. Sci./Math/B.A	3-4
Foreign Language/B.A.	3	Foreign Language/B.A.	3
MATH*	3-4	Humanities/Fine Arts*	3
POLS 1501	3	ECON 2020	3
Semester Totals	15-16 hrs		15-16 hrs

Sophomore Year

History*	3	History*	3
Elective	3	Elective	3
Natural Science*	4	Natural Science*	4
UD Foreign Language	3	UD Foreign Language	3
Fine Arts*	3	COMM 2381	3
Semester Totals	16 hrs		16 hrs

Junior Year

ENGL 2201 or 2202	3	Elective	3
ECON 4350	3	POLS 4508	3
UD Elective	3	UD Elective	3
HIST 4260	3	Inter. Econ. Processes	3
Inter. Pol. Processes	3	Inter. Dev. Processes	3
Semester Totals	15 hrs		15 hrs

Senior Year

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

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Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
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Interior Design (IDES)
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Theatre (THEA)

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Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

INTL 4601	3	INTL conc. elective	3
INTL conc. elective	3	INTL conc. elective	3
UD elective	3	UD elective	3
UD elective	3	Elective	4
Elective	3		
Semester Totals	15 hrs		13 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

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Bornblum Judaic Studies

The Bachelor of Liberal Studies in Bornblum Judaic Studies is granted through University College and the program is administered through the College of Arts and Sciences.

Bornblum Judaic Studies explores the experience of the Jewish people within the contexts of world cultures. Non-theological in its orientation, it provides students the opportunity to study related areas, including the history of the Jewish people, the structures and politics of Jewish communities, the Hebrew and Arabic languages, and the religious, intellectual, and aesthetic traditions of the Jewish people.

A. LOWER DIVISION CORE

Hebrew Language Core (12 hours): HEBR 1010, 1020, 2010, 2020

Religious Studies Core (3 hours): JDST 2850

B. UPPER DIVISION CORE (select 6 hours from the following courses)

HIST 3275, JDST 3601, JDST 3801

C. UPPER DIVISION ELECTIVES (15 hours)

Jewish Heritage (Choose two or three): ENGL 4661; HIST 3275; JDST 3661, 4841, 4671

Israel (Choose one or two): JDST 4820, 4830, 4840

With the permission of the Director of Bornblum Judaic Studies, students may substitute the following courses for two courses listed under C, or they may be used as part of the electives listed below: JDST 4750-4799, 4990

D. INTERDISCIPLINARY ELECTIVES (9 Hours)

ANTH 4253; ARTH 4121; HIST 4272, 4320; PHIL 3701, 4711; POLS 3102; SOCI 3860

E. THEMATIC STUDIES (6 Hours)

UNIV 35xx, 45xx; it is recommended that two of the following courses be taken to complete the Thematic Studies requirement: UNIV 3850, 3581; JDST 4511

F. Special Project (6 or 9 Hours)

UNIV 4990, 4995

Judaic Studies Minor

The minor in Judaic Studies is designed to provide students in any department in the University with a sense of the origins and foundations of Western values and traditions. There is no Hebrew language requirement for the minor.

REQUIREMENTS FOR JUDAIC STUDIES MINOR

A. Lower Division Core (3 hours): JDST 2850

B. Upper Division Core (3 hours): JDST 3201, 3202, 3801, 3802

C. Upper Division Electives (6 hours): Jewish Heritage (3 hours): UNIV 3580; JDST 4551, 4661, 4671, 4511; Israel (3 hours): JDST 4820, 4830, 4840

D. General Electives (6 hours)

ARTH 4121; POLS 3102; UNIV 3580; SOCI 3860; ENGL 4461; PHIL 4711

With the permission of the Director of Bornblum Judaic Studies, students may substitute up to two courses in any category listed above. Such courses will have substantial Judaic

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African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
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Studies content.

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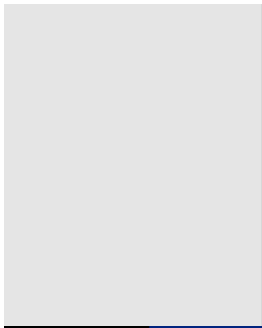
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Legal Thought and Liberal Arts

[Interdisciplinary Studies Office](#)

[Legal Thought and Liberal Arts Minor](#)

The minor in Legal Thought and Liberal Arts is designed to provide an interdisciplinary liberal arts program for students in any major who intend to enter the legal profession. The minor will be of particular benefit to pre-law students whose majors are more professional in nature and who are not exposed to the broader liberal arts curriculum. Students will be introduced to major intellectual traditions of the West and to ethical, social, and economic issues of significance to our time. The courses in the minor require that students read critically, think logically, and write clearly - attributes required of persons in the legal profession. Students wishing to minor in Legal Thought and Liberal Arts should contact the pre-professional advisor in room 107 Scates Hall.

The Minor: 18 semester hours of required courses and electives:

- A. Required Core Course: PHIL 1611 and either ENGL 3604 or 4602.
- B. Electives: Select one course from four of the following five groups (each course chosen must be from a different group):
 1. Economic Context of the Law: ECON 2010, 2020, 3411, 4130.
 2. Historical Context of the Law: HIST 3121, 3506, 3840.
 3. Practical Foundations of Jurisprudence: CJUS 3510, 4521; POLS 3219, 4212, 4405, 4504.
 4. Theoretical Foundations of Jurisprudence: PHIL 3411, 3511, 3514, 3516, 4551; POLS 3401, 3402, 3405; UNIV 3580.
 5. Critical Reading and Thinking: any 4000-level English literature (ENGL 4231-4471) course, or ENGL 4602 (if not taken as the core), or any upper-division philosophy course not listed above.

NOTE: Some of these courses may have prerequisites. Students are responsible for obtaining permission from the instructor to enroll in the course if they have not fulfilled those prerequisites.

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

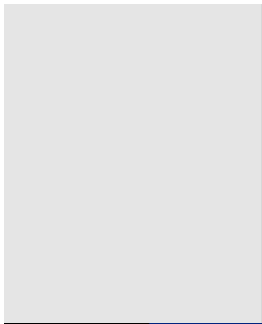
Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

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Mechanical Engineering (MECH)
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Loewenberg School of Nursing

Nursing (NURS)



University College

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[Paralegal Studies \(LEGL\)](#)
[University College \(UNIV\)](#)

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Mathematical Sciences

Department of Mathematical Sciences

Mathematical Sciences Major (B.S.)

Program objectives for a B.S. in Mathematical Sciences are to: (a) understand the notion of a real valued function; (b) understand the concept of differentiation and be able to apply the rules of differentiation to functions of one real variable. Be able to use these techniques to solve problems in optimization; (c) understand the use of vector analysis to describe the geometry of higher dimensional spaces; (d) understand how to extend the concepts of the calculus of functions of one variable to higher dimensions; (e) use matrices to solve systems of linear equations and to describe linear transformations; (f) understand abstract structures in mathematics; (g) be able to read and present mathematical proofs including an understanding of the basic types of proofs; (h) be able to formulate their own proofs of simple mathematical statements; (i) be able to use a computer to assist with the solution of mathematical problems; (j) Have advanced knowledge of at least one specialist area of mathematics: Statistics, Mathematics, or Teaching Mathematics.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note the following requirements specified for the Mathematical Sciences major: Mathematics: MATH 1910; Natural Science: CHEM 1110/1111, 1120/1121, or PHYS 2110/2111, 2120/2121.

B. College and Degree Requirements (12 hours)

The [College and Bachelor of Science requirements](#) are in addition to the University General Education Program requirements.

C. The Major (35-36 hours in addition to University General Education Program and B.S. degree requirements)

1. Major Core (14 hours):

Completion of MATH 1910 (this course is included in the University General Education Program requirements), MATH 1920, 2110, 2702, and 3242 (majors are encouraged to consider the departmental honors program described below); plus the following courses: CHEM 1110/1111, and 1120/1121 or PHYS 2110/2111, 2120/2121 (these courses are included in the University General Education Program requirements).

2. Concentration (21 -22 hours):

a. Mathematics (21-22 hours): COMP 1900 or COMP 4001 and 18 semester hours of upper division courses with departmental approval. The following are examples of approved course selections.

(1) Applied Mathematics: MATH 3120, 4391, 4635, 4721, and six upper division hours from the following: MATH 3221, 4242, 4261, 4350, 4351, 4361, 4392, 4640.

(2) General Mathematics: MATH 3120, 4350, 4261, 4635, and 6 upper division hours chosen from: MATH 3221, 4242, 4351, 4361, 4391, 4411, 4636, 4721.

(3) Graduate Study in Mathematics: MATH 4261, 4350, three courses chosen from: MATH 4242, 4351, 4361, 4411, and one additional course from: MATH 3120, 3221, 4242, 4351, 4361, 4391, 4411, 4635.

(4) Teacher Licensure in Secondary Education: MATH 3221, 3581, 4151, 4261, 4635, and either MATH 4636, or 4637.

(5) Actuarial Science: MATH 4020, 4022, 4025, 4635, 4636 and FIR 3410.

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
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International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
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Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

NOTE: All approved programs will include no more than 9 semester hours chosen from MATH 4607, 4635, 4636, 4637, 4640. Students are encouraged to work with their advisors to plan their programs.

b. Statistics (21 hours): COMP 4001, MATH 4635, 4636, 4640, and one of MATH 4607 or 4637, and 6 additional upper division hours chosen from: MATH 3120, 4242, 4261, 4350, 4351, 4361, 4391, 4551, 4607, 4637, 4643, 4721.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

E. Honors Program

The Department of Mathematical Sciences offers an honors program in Mathematics and Statistics for the talented student. The student must satisfy the following course requirements with a minimum GPA of 3.50 in all MATH courses: The major with honors in Mathematical Sciences: 37 semester hours in MATH courses, including MATH 1421, 2421, 2422, 3402, 4402; plus the following courses applicable to the degree: CHEM 1110/1111, 1120/1121, or PHYS 2110/2111, 2120/2121; and completion of one of the two areas of concentration described above.

Those students who complete the program and the regular college requirements will be recognized at the commencement ceremony by having their degrees conferred "With Honors in Mathematical Sciences." Moreover, the student's diploma and record at the University of Memphis will reflect this distinction.

F. Second Major in Mathematical Sciences for majors in Chemistry, Computer Science, Economics, Engineering, and Physics (29-30 hours): MATH 1910, 1920, 3242 and (a) 9 hours from upper division MATH courses approved by the Chair or Chair's designee of the Department of Mathematical Sciences, plus one of COMP 2700, MATH 2702, MATH 2110, or an additional upper division MATH course approved by the Chair or Chair's designee of the Department of Mathematical Sciences; (b) 6 hours of mathematically oriented courses approved by the Chair or Chair's designee of the Department of Mathematical Sciences.

Mathematical Sciences Minor

A minimum of 20 semester hours, including MATH 1910 (4), 1920 (4), and 9 additional upper division semester hours in MATH courses approved by the Chair or Chair's designee of the Department of Mathematical Sciences, plus one of COMP 2700, MATH 2702, MATH 2110, or an additional upper division MATH course approved by the Chair or Chair's designee of the Department of Mathematics.

Typical 4-Year Mathematics Concentration Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH 1910	4	MATH 1920	4
Social/Behavioral Sciences*	3	Natural Science**	4
Elective	3	Foreign Language/B.S.	3
Foreign Language/B.S.	3		

Semester Totals	16 hrs		14 hrs
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Sophomore Year

History*	3	History*	3
ENGL 2201 or 2202	3	MATH 2702	3
MATH 2110	4	COMM 2381	3
Natural Science**	4	Humanities/Fine Arts*	3
Social/Behavioral Sciences*	3	Elective	3

Semester Totals	17 hrs		15 hrs
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Junior Year

MATH 3242	3	UD MATH	3
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Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
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Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

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Music Education (MUSE)
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Sacred Music (MUSA)

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Educational Psychology and Research (EDPR)

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Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

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Educational Services (EDSV)
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Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

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Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

UD Social Science/B.S.	3	Humanities/Fine Arts*	3
COMP 4001	3	UD elective	3
Humanities/B.S.	3	Elective	3
UD elective	3	UD MATH	3
Semester Totals	15 hrs		15 hrs

Senior Year

UD MATH	3	UD MATH	3
UD MATH	3	UD MATH	3
Elective	3	Elective	3
Elective	3	UD elective	3
UD elective	3	Elective	1
Semester Totals	15 hrs	13 hrs	

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**Choose one Natural Science sequence: CHEM 1110/1111 and 1120/1121, OR PHYS 2110/2111 and 2120/2121.

Typical 4-Year Statistics Concentration Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
MATH 1910	4	MATH 1920	4
Social/Behavioral Sciences*	3	Natural Science**	4
Foreign Language	3	Foreign Language	3
Elective	3		
Semester Totals	16 hrs	14 hrs	

Sophomore Year

History*	3	History*	3
ENGL 2201 or 2202	3	MATH 2702	3
MATH 2110	4	COMM 2381	3
Natural Science**	4	Humanities/Fine Arts*	3
Social/Behavioral Sciences*	3	Elective	3
Semester Totals	17 hrs	15 hrs	

Junior Year

MATH 3242	3	MATH 4635	3
UD Social Science	3	MATH 4636	3
COMP 4001	3	Humanities/Fine Arts*	3
UD Humanities	3	UD elective	3
Elective	3	UD elective	3
Semester Totals	15 hrs	15 hrs	

Senior Year**University College**

Family and Consumer Science (CSED)
 Paralegal Studies (LEGL)
 University College (UNIV)

Independent Programs

Orientation Program (ACAD)
 University Honors Program (UNHP)
 University of Memphis Libraries (LBRY)
 Interdisciplinary Studies (INTD)

MATH 4640	3	MATH 4607 or 4637	3
UD MATH***	3	UD MATH***	3
Elective	3	Elective	3
Elective	3	UD elective	3
UD elective	3	Elective	1

Semester Totals 15 hrs 13 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**Choose one Natural Science sequence: CHEM 1110/1111 and 1120/1121, OR PHYS 2110/2111 and 2120/2121.

***Choose from MATH 3120, 4242, 4261, 4350, 4351, 4361, 4391, 4551, 4607, 4637, 4643, 4721

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Philosophy

Department of Philosophy

Philosophy Major (B.A.)

Program objectives for a B.A. in Philosophy are to: (a) recognize patterns of valid and fallacious reasoning, and basics of logical theory; (b) read a major philosophical text analytically and be able to write out critical evaluations of philosophical arguments; (c) be familiar with major ethical theories and their practical applications; (d) possess a basic knowledge of the history of philosophy, in particular Ancient Philosophy and Modern Philosophy; (e) be able to engage critically both the primary and secondary literature on philosophical subject matter, to present one's critical assessment orally to a group, and to produce a written document reflecting one's independent research on a philosophical subject.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. College and Degree (B.A.) Requirements (12-16 hours)

The [College and Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements.

C. The Major (30 hours)

Completion of 30 semester hours in philosophy courses including PHIL 1101 or 1102, 1611, 3001, 3002, 3411 or 3511 and 15 additional upper division semester hours.

To prepare philosophy students for success in a number of fields, the department offers courses in the following sub-divisions of philosophy.

Philosophy of Law/Political Philosophy PHIL 3411, 3511, 3512, 3515, 3516, 4551.

Ethics/Social Philosophy PHIL 3411, 3452, 3511, 3512, 3514, 3515, 3741, 4551.

Philosophy of Religion/Religious Studies PHIL 3411, 3451, 3511, 3701, 3702, 3721.

Philosophy/Contemporary Culture PHIL 3411, 3451, 3452, 3511, 3512, 3741, 3771, 3781, 4441, 4671.

Philosophy of Science/Epistemology PHIL 3460, 3512, 3515, 3621, 4421, 4422, 4632, 4661.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

E. Honors Program

This program is open to philosophy majors with a 3.0 overall average and a 3.5 average in philosophy. The student will complete, with a minimum grade of "B", a thesis submitted for credit in PHIL 4891. The thesis topic must be approved by the thesis director before the student registers for PHIL 4891.

Those students who complete the program and the regular college requirements will be recognized at the commencement ceremony by having their degree conferred "With Honors in Philosophy." Moreover, the student's diploma and record at the University of Memphis will reflect this distinction.

Philosophy Minor

Completion of 18 semester hours in philosophy courses, including PHIL 1101 or 1102,

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCL)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
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Hebrew (HEBR)
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Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

1611, and 12 upper division semester hours. In consultation with the coordinator of undergraduate studies in philosophy, a student may design a minor (18 hours) that applies to the student's major area of study.

Typical 4-Year Philosophy Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
MATH*	3-4	Elective	3
PHIL 1101 or 1102	3	Social/Behavioral Sciences*	3
Elective	3	Nat. Sci./Math/B.A.	3-4
Semester Totals	15-16 hrs		15-16 hrs

Sophomore Year

ENGL 2201 or 2202	3	Social/Behavioral Sciences*	3
History*	3	History*	3
PHIL 1611	3	Elective	3
PHIL 3001	3	PHIL 3002	3
Natural Science*	4	Natural Science*	4
Semester Totals	16 hrs		16 hrs

Junior Year

UD Social Science/B.A.	3	Fine Arts*	3
COMM 2381	3	Elective	3
PHIL 3411 or 3511	3	UD PHIL	3
UD PHIL	3	UD elective	3
UD PHIL	3	Elective	3
Semester Totals	15 hrs		15 hrs

Senior Year

Elective	3	UD Elective	3
UD PHIL	3	UD PHIL	3
UD elective	3	UD elective	3
UD elective	3	Elective	4
Elective	3		
Semester Totals	15 hrs		13 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

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Sacred Music (MUSA)

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Educational Psychology and Research (EDPR)

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Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

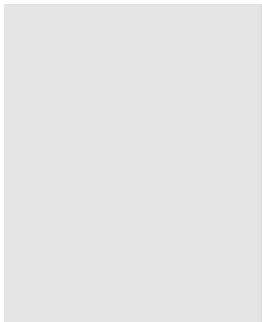
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Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
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Nursing (NURS)



University College

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Physics

Department of Physics

Physics Major (B.S.)

Program objectives for a B.S. in Physics are: (a) knowledge of core principles in classical mechanics, electromagnetism, thermal physics, quantum mechanics, mathematical methods, optics, and modern physics; (b) ability to discriminate between relevant and irrelevant principles and facts in problem solving; (c) an understanding of research methodology in physics; (d) ability to effectively communicate scientific results in both oral and written reports; (e) ability to use computers for data analysis, literature search, scientific writing, and the ability to use other specialized research equipment; (f) ability to collaborate with other students in and out of the laboratory and during problem-solving.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note the following requirements specified for the Physics major: Mathematics - MATH 1910; Natural Science - CHEM 1110/1111, 1120/1121.

B. College and Degree (B.S.) Requirements (12 hours)

The [College and Bachelor of Science requirements](#) are in addition to the University General Education Program requirements and are listed above.

C. The Major: (47-51 hours in addition to University General Education Program and B.S. degree requirements)

1. Completion of PHYS 2110/2111, 2120/2121 (PHYS 2010/2011, 2020/2021 are acceptable, but not recommended), 3010, 3011, 3111, 3211, 4211, 4410, 4510; CHEM 1110/1111, 1120/1121 (the CHEM courses are included in the University General Education Program requirements); MATH 1910 (this course is included in the University General Education Program requirements), MATH 1920 (this course is included in the B.S. degree requirements), MATH 2110, 3120, or equivalent courses.

2. Concentrations:

a) General Physics (11 hours): PHYS 3610, 3611, plus nine hours of elective PHYS courses, six of which must be upper division.

b) Materials Science (15 hours): PHYS 4610, 4720, 4820, 4994, plus one of PHYS 4020, 4060, 4230, MECH 3320, MECH/CIVL 3322.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

E. Dual-Degree Programs

Highly motivated and talented students may pursue an undergraduate degree (B.S.) in Physics followed by a graduate (M.S.) in either Physics or Biomedical Engineering in a special five-year program. This option requires serious commitment, careful planning with the student's advisor, and summer research work leading toward a Master's thesis. Students interested in pursuing this option should contact an undergraduate advisor in the Physics department.

F. Second Major for Engineering Students

A total of twenty-nine (29) semester hours beyond PHYS 2110/2111 and PHYS 2120/2121, many of which will count toward the engineering degree or are already required by the engineering major. Since Biomedical, Civil, Computer, Electrical, and

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

Mechanical engineering students take different courses to satisfy their degree requirements, the program for the second major in physics is different for each engineering discipline. For details, please contact the Department of Physics or the Physics web site at:

http://www.memphis.edu/physics/academics_undergrad_2ndmajor.htm

G. Second Major for the Bachelor of Science Degree

A total of twenty-nine (29) semester hours beyond PHYS 2110/2111 and PHYS 2120/2121, many of which are already required by the primary major. Since the students in each B.S. degree-granting department take different courses to satisfy their degree requirements, the program for the second major in Physics is different for each discipline. For details, please contact the Department of Physics or check the Physics website at:

http://www.memphis.edu/physics/academics_undergrad_2ndmajor.htm

Physics Minor

Completion of 20 semester hours in physics courses, including PHYS 2110/2111, 2120/2121 (PHYS 2010/2011, 2020/2021 are acceptable but not recommended), and 12 additional upper division hours.

Honors Program

This program is open to physics majors who maintain a grade point average of at least 3.25, both overall and in physics, have achieved junior standing, and have completed PHYS 3611. Students admitted to the honors program must complete 8 hours of upper-division physics honors courses: (1) PHYS 4991/4992 Honors Research in Physics, where the student will conduct original scholarly work under the direction of an honors research advisor; (2) PHYS 4999 Senior Honors Thesis, where the student will write a thesis based upon background reading and the experimental research completed in PHYS 4991/4992; (3) PHYS 4911 Senior Honors Seminar, where the student will give a presentation based on the work completed in PHYS 4991/4992.

Those students who complete the physics honors program and the regular college requirements will be recognized at the commencement ceremony by having their degree conferred "With Honors in Physics." Moreover, the student's diploma and record at the University of Memphis will reflect this distinction.

Accelerated B.S./M.S. Program in Physics

This program allows outstanding undergraduates to begin the coursework for the Master of Science in Physics during their senior year. Students are encouraged to begin planning to enter the Accelerated B.S./M.S. program early in their undergraduate career, in consultation with their advisor in the Department of Physics.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.S. degree while they also begin the coursework toward their M.S.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Physics department. Each applicant will complete an interview with the graduate academic coordinator in physics.

Students must also apply to the Graduate School for the accelerated B.S./M.S. program, which allows them to take graduate courses in physics. To continue in the program past the B.S., students must apply for full admission into the Graduate School and into the Physics department's M.S. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Typical 4-Year Physics Sequence General Physics Concentration

Freshman Year

PHYS 2110/2111	4	PHYS 2120/2121	4
MATH 1910	4	MATH 1920	4
Foreign Language/B.S.	3	Foreign Language/B.S.	3
ENGL 1010	3	ENGL 1020	3

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Semester Totals	14 hrs	14 hrs
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Sophomore Year

PHYS 3010	3	PHYS 3011	3
MATH 2110	4	MATH 3120	3
CHEM 1110/1111	4	Humanities*	3
COMM 2381	3	CHEM 1120/1121	4
		Social/Behavioral Sciences*	3

Semester Totals	14 hrs	16 hrs
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Junior Year

PHYS 3111	3	PHYS 3211	3
PHYS 4211	3	PHYS 4510	3
PHYS 3610	1	PHYS 3611	1
History*	3	History*	3
Social/Behavioral Sciences *	3	Humanities*	3
ENGL 2201 or 2202	3	Social Science/B.S.	3

Semester Totals	16 hrs	16 hrs
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Senior Year

PHYS 4410	3	UD PHYS	3
UD PHYS	3	UD PHYS	3
UD elective	3	Elective	3
Humanities/B.A.	3	Elective	3
Elective	3	Elective	3

Semester Totals	15 hrs	15 hrs
-----------------	--------	--------

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Physics Sequence
Material Science Concentration

Freshman Year

PHYS 2110/2111	4	PHYS 2120/2121	4
MATH 1910	4	MATH 1920	4
Foreign Language/B.S.	3	Foreign Language/B.S.	3
ENGL 1010	3	ENGL 1020	3

Semester Totals	14 hrs	14 hrs
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Sophomore Year

PHYS 3010	3	PHYS 3011	3
MATH 2110	4	MATH 3120	3
CHEM 1110/1111	4	CHEM 1120/1121	4
COMM 2381	3	Fine Arts*	3

University College

Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
University College (UNIV)

Independent Programs

Orientation Program (ACAD)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)
Interdisciplinary Studies (INTD)

Social/Behavioral
Sciences* 3Semester
Totals 14
hrs16
hrs

Junior Year

PHYS 3111	3	PHYS 3211	3
PHYS 4211	3	PHYS 4510	3
History*	3	PHYS 4720	3
ENGL 2201 or 2202	3	History*	3
Social/Behavioral Sciences*	3	Humanities/Fine Arts*	3

Semester Totals 15 hrs 15 hrs

Senior Year

PHYS 4410	3	PHYS 4610	3
PHYS 4820	3	PHYS 4994	3
UD PHYS/MECH/CIVL**	3	UD Social Science/B.S.	3
Humanities/B.S.	3	Elective	3
Elective	4	Elective	4

Semester Totals 16 hrs 16 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**One of PHYS 4020, 4060, 4230, MECH 3320, MECH/CIVL 3322

Campus Directory

Calendar 2013 - 2014

Degree Program and Planning

Description of the University

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Expenses

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Graduation from the University

Colleges and Degree Programs

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Faculty and Staff

Catalog Archive and University Links

Class Offerings

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Political Science

Department of Political Science

Political Science Major (B.A.)

Program objectives for a B.A. in Political Science are: (a) basic understanding of political institutions and processes in the United States and other countries; (b) basic understanding of the ways in which countries interact with one another, directly or through intermediary institutions; (c) basic understanding of the development of political thought; (d) able to apply basic political science methodologies to political science questions; (e) able to analyze and explain political processes and outcome; (f) able to interpret political attitudes, values, and beliefs; (g) have the critical thinking skills necessary for careers in government, business, law, or academia.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. College and Degree (B.A.) Requirements (12-16 hours)

The [College and Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements.

C. The Major (36 hours)

For the purposes of defining undergraduate requirements for the political science major and minor, the department employs four subfields, with the following courses in each:

American Government and Politics: POLS 1030, 3211, 3213, 3215, 3216, 3217, 3218, 3219, 3220, 3221, 3405, 4200, 4211, 4212, 4222, 4223, 4701.

Comparative Politics: POLS 1301, 3302, 3306, 3309, 3310, 3320, 3325, 3330, 3340, 4307, 4315, 4317, 4820.

International Relations: POLS 1501, 3505, 3506, 3509, 4504, 4506, 4508, 4510, 4511, 4512.

Political Theory: POLS 1101, 1102, 3102, 3401, 3402, 3410, 3415, 4405, 4415, 4416.

Students must complete POLS 1030 and 4101.

Students must complete at least 6 hours in each of the four subfields listed above.

No more than 9 total hours of internship (POLS 4230, 4231), mock trial (POLS 4709), research and study abroad (POLS 4399), and independent study (POLS 4702) combined may be counted toward the 36 hours required for a major in Political Science. Of these 9 hours, no more than three hours of Administrative Internship (POLS 4231), and no more than six total hours in any combination of POLS 4709, 4399, and 4702 may be counted toward the major.

At least 15 hours in political science must be earned in residence at the University of Memphis.

NOTE: Students who have successfully completed an equivalent social statistics course prior to declaring a Political Science major are exempted from the requirement to take POLS 4101, and must substitute another upper-division course in Political Science.

NOTE: The College offers Pre-Law advising for those interested in careers in law. Also, any major in Political Science may earn a second major in International Studies. Political Science courses in International Relations and Comparative Politics fulfill requirements for both the Political Science major and the interdisciplinary major in International Studies.

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management (EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

Accelerated B.A./M.A Program in Political Science

This program allows outstanding undergraduates to begin the coursework for the Master of Arts in Political Science during their senior year. Students are encouraged to begin planning to enter the Accelerated B.A./M.A. program early in their undergraduate career, in consultation with their advisor in the Department of Political Science.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.A. degree while they also begin the coursework toward their M.A.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Political Science department. Each applicant will complete an interview with the graduate academic coordinator in political science.

Students must also apply to the Graduate School for the accelerated B.A./M.A. program, which allows them to take graduate courses in political science. To continue in the program past the B.A., students must apply for full admission into the Graduate School and into the Political Science department's M.A. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

E. Honors Program

The department offers an honors program to qualified majors who choose to pursue a more sophisticated knowledge of the discipline, a more rigorous level of analysis, and a deeper understanding of politics. Students who have completed 55 hours of course work (with at least 9 hours in Political Science) and have a minimum over-all grade point average of 3.0 (with a minimum in Political Science of 3.25), or who can present equivalent qualifications, are invited to apply for admission to the program. The program requires 18 hours of honors course work, 12 or more of which must be upper-division Political Science courses, and minimum final grade point averages of 3.00 overall, 3.25 in Political Science, and 3.25 in honors coursework. Honors students also have the option of completing a Senior Thesis in Political Science (POLS 4999). Those students who complete the program and the regular college requirements will be recognized at the commencement ceremony by having their degrees conferred "With Honors in Political Science." Moreover, the student's diploma and the record at the University of Memphis will reflect this distinction. Details of the program are available in the Political Science Office.

Political Science Minor

To complete the minor in Political Science, a student must earn 18 hours in political science discipline to the following conditions: a) students must complete at least 3 hours each in three of the four area listed above; b) students must complete at least 9 hours in courses at the 3000-level or higher; c) no more than 6 hours of internship (POLS 4230, 4231), mock trial (POLS 4709), research and studies abroad (POLS 4399), and independent study (POLS 4702) combined may be counted toward the 18 hours required for a minor in Political Science. .

Typical 4-Year Political Science Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
MATH*	3-4	Nat. Sci./Math/B.A.	3-4
POLS 1030	3	POLS 1501	3
Elective	3	POLS 1101 or 1102	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
Semester Totals	15-16 hrs		15-16 hrs

Sophomore Year

ENGL 2201 or 2202	3	POLS Political Theory	3
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Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

History*	3	Natural Science*	4
Natural Science*	4	Elective	3
POLS 1301	3	Elective	3
Fine Arts*	3	COMM 2381	3

Semester Totals	16 hrs		16 hrs
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Junior Year

UD Humanities/B.A. (not POLS)	3	UD POLS Amer. Gov. & Policy	3
Elective	3	UD POLS International Relations	3
UD POLS	3	UD POLS	3
UD POLS Comparative Politics	3	UD elective	3
POLS 4101	3	Elective	3

Semester Totals	15 hrs		15 hrs
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Senior Year

POLS 4212 or 4405	3	UD elective	3
Elective	3	UD elective	3
Elective	3	UD elective	3
UD elective	3	Elective	4
UD elective	3		

Semester Totals	15 hrs	13 hrs
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Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

University College

Family and Consumer Science (CSED)
 Paralegal Studies (LEGL)
 University College (UNIV)

Independent Programs

Orientation Program (ACAD)
 University Honors Program (UNHP)
 University of Memphis Libraries (LBRY)
 Interdisciplinary Studies (INTD)



Campus Directory	Pre-Health Studies Minor
Calendar 2013 - 2014	Pre-Health Studies Minor
Degree Program and Planning	Interdisciplinary Studies Office
Description of the University	The goal of this minor is to provide students with the opportunity to develop the skills that professional schools in health and medical fields are seeking outside of the required science coursework. This minor is a way for students to complete additional coursework that is typically encouraged, and in some cases expected, by professional schools.
Services to Students	
Expenses	
Academic Regulations	
Admissions	The Minor: 18 semester hours of required courses and electives:
Graduation from the University	A. Required Core Courses: One of PSYC 1030 or SOCI 1010; COMM 4012; PHIL 3514.*
Colleges and Degree Programs	B. One course from each of the three following categories:
Course Descriptions	Health and Wellness: EDPR 2111, HPRO 2100, HPRO 2200, NUTR 2202.
Faculty and Staff	Cultural Competency: ANTH 4510, ANTH 4521, ANTH 4571, HPRO 4510, SOCI 3401, SOCI 3422, SOCI 3432, SOCI 4420, SOCI 4442.
Catalog Archive and University Links	Social and Psychological Foundations: ANTH 4512, ANTH 4531, ANTH 4541, PSYC 3306, PSYC 3506, PSYC 3507, PSYC 3512, SOCI 4541, SOCI 4851, SOCI 4852.
Class Offerings	* Students planning to take the MCAT should take both PSYC 1030 and SOCI 1010 but only one course will count toward the minor requirements.
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Catalog Archive and University Links
Class Offerings



Quick Links

Search the catalog:



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Psychology

Department of Psychology

Psychology Major (B.A.)

Program objectives for a B.A. in Psychology are: (a) describe the nature of psychology as a discipline; (b) use the concepts, language, and major theories of the discipline to account for psychological phenomena; (c) demonstrate knowledge and understanding representing appropriate breadth and depth in selected content areas of psychology; (e) describe the basic characteristics of the science of psychology; (f) explain different research methods used by psychologists; (g) design and conduct basic studies to address psychological questions using appropriate research methods; (h) evaluate the appropriateness of conclusions derived from psychological research; (i) generalize research conclusions appropriately based on the parameters of particular research methods; (j) follow the APA Code of Ethics in the treatment of human and nonhuman participants in the design, data collection, interpretation, and reporting of psychological research; (k) use critical thinking effectively; (l) use reasoning to recognize, develop, defend, and criticize arguments and other persuasive appeals; (m) approach problems effectively; (n) describe major applied areas of psychology (e.g., clinical, counseling, industrial/organizational, school, health); (o) identify appropriate applications of psychology in solving problems; (p) articulate how psychological principles can be used to explain social issues and inform public policy; (q) recognize the necessity for ethical behavior in all aspects of the science and practice of psychology; (s) recognize and understand the importance of academic integrity; (t) recognize and respect human diversity and understand that psychological explanations may vary across populations and contexts; (u) assess and justify engagement with respect to civic, social, and global responsibilities; (v) understand the limitations of psychological knowledge and skills .

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. College and Degree (B.A.) Requirements (12-16 hours)

The [College and Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements and are listed above.

C. The Major (35 hours in Psychology)

1. Completion of PSYC 1030, 3010 (4), 3020 (4). In addition, all majors must take the Psychology Field Test during their senior year.

2. Concentrations (24 hours):

a. General Psychology: Completion of at least one course each from the PSYC 3100, 3300, and 3500 series, and 15 additional upper-division hours in PSYC courses.

b. Behavioral Neuroscience: any 3100 series course, 3306, 3507, 4505, 4506, and 4997 (Thesis), and 6 additional upper-division hours. Students must also take BIOL 1110, 1120, CHEM 1110, 1120.

c. Cognitive Science: Completion of at least one course from either PSYC 3103 or 3106; PSYC 3303; at least two courses from PSYC 3304, 3305, 3306, 3530, 4305; and either PSYC 4998 or 4999. In addition, students must complete at least three of the following courses outside of psychology: PHIL 3460, 3621, 4421, COMP 1800, 1900, 4001, ENGL 3511, MATH 2701. Students must take additional upper-division hours in PSYC courses to bring their PSYC total to at least 35 hours.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
 African and African American Studies (AAAS)
 Anthropology (ANTH)
 Biology (BIOL)
 Chemistry (CHEM)
 Computer Science (COMP)
 Criminology and Criminal Justice (CJUS)
 Earth Sciences (ESCI)
 English (ENGL)
 Emergency Management(EMGT)
 Environmental Studies (ENVR)
 Health Administration (HADM)
 History (HIST)
 International Studies (INTL)
 Judaic Studies (JDST)
 Mathematics (MATH)
 Military Science (ARMY)
 Naval Science (NAVY)
 Philosophy (PHIL)
 Physics (PHYS)
 Political Science (POLS)
 Open Learning Fire Services Program (PADM)
 Public and Nonprofit Administration (PADM)
 Psychology (PSYC)
 Religious Studies (RLGN)
 Social Work (SWRK)
 Sociology (SOCI)
 Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
 Chinese (CHIN)
 Classics (CLAS)
 French (FREN)
 German (GERM)
 Greek (GREK)
 Hebrew (HEBR)
 Italian (ITAL)
 Japanese (JAPN)
 Languages and Literature (LALI)
 Latin (LATN)
 Portuguese (PORT)
 Russian (RUSS)
 Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
 Business Administration (BA)
 Supply Chain Management Science (SCMS)
 Economics (ECON)

E. Honors Program

The Psychology Honors Program provides an opportunity for selected Psychology majors to enrich their learning experience through honors courses, independent study, a senior thesis, and extracurricular learning experiences. The program requires a minimum of 15 credit hours of honors work in psychology. Students who complete the program with a 3.25 cumulative grade point average will earn degrees that included the distinction "With Honors in Psychology." Please contact the department honors coordinator for more detailed information about the Psychology Honors Program and assistance in applying. Psychology majors may also be eligible to participate in the University Honors Program described elsewhere in this bulletin. Some psychology honors courses may be counted toward the requirement of the University Honors Program.

Psychology Honors Classes. The honors courses described below are open only to students in good standing in the Psychology Honors Program or the University Honors Program. Honors courses in Psychology include: (1) PSYC 1030 (General Psychology - Honors). Students who wish to enroll in this course during their first year may do so either by meeting the requirements for the University Honors Program or by instructor permission; (2) periodically offered honors sections of other courses in the psychology curriculum; (3) specialized honors courses; (4) Honors Special Topics; (5) Directed Research and Senior Thesis.

Psychology Honors Contracts. Students may ask the instructor of any psychology course to negotiate an honors contract, in which the instructor and student agree on additional honor-level requirements for the course.

Psychology Honors Senior Thesis. Students ask a psychology faculty member to serve as adviser for PSYC 4996 (Honors Senior Thesis), typically completed during the student's last semester. Before enrolling in PSYC 4996, the student should complete at least one semester of PSYC 4504 (Directed Research) under the same faculty adviser who will oversee work in the honors thesis. Students specializing in Behavioral Neuroscience may choose to enroll in PSYC 4506 (Directed Research in Behavioral Neuroscience) and PSYC 4997 (Senior Thesis in Behavioral Neuroscience). The completed thesis is presented in writing and defended orally before a faculty committee.

Psychology Minor

Completion of 20 semester hours in psychology, including PSYC 1030, 3010 (4) 3020 (4) (or equivalent), and 9 additional upper-division hours.

Typical 4-Year Psychology Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH*	3-4	Nat. Sci./Math/B.A.	3-4
PSYC 1030	3	PSYC 3010	4
Elective	3	Humanities*	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3

Semester Totals	15-16 hrs		16-17 hrs
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Sophomore Year

PSYC 3020	4	PSYC 33xx	3
ENGL 2201 or 2202	3	COMM 2381	3
PSYC 31xx	3	UD elective	3
Natural Science*	4	Natural Science*	4
Elective	3	History*	3

Semester Totals	17 hrs		16 hrs
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Junior Year

Fine Arts*	3	History*	3
PSYC 35xx	3	UD PSYC elective	3

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Elective	3	UD elective	3
Elective	3	Social/Behavioral Sciences*	3
UD PSYC elective	3	Elective	3
Semester Totals	15 hrs		15 hrs

Senior Year

UD PSYC elective	3	Elective	3
Elective	3	UD PSYC elective	3
UD PSYC elective	3	Elective	3
Elective	1	Elective	3
UD Humanities/B.A.	3	UD Elective	1
Semester Totals	13 hrs		13 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

University College

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Public Administration

School of Urban Affairs and Public Policy

Division of Public and Nonprofit Administration

Public Administration Minor

The Division of Public and Nonprofit Administration offers a minor in Public Administration which includes courses that address competencies necessary for work in local government and public agencies. The minor is open to students majoring in any department in the University.

Students must complete 18 hours in Political Science and Public Administration, including 9 hours of required core course and 9 hours from a set of guided electives.

Required Courses: POLS 1030, and PADM 3601 and 4221.

Guided Electives: Choose 9 hours from among the following: CJUS 4126, POLS 3211, POLS 3213, PADM 4101, POLS 4222, PADM 4226, PADM 4231, PADM 4401, PADM/ANTH 4412, or PADM 4710-19.

Nonprofit Management Minor

The Division of Public and Nonprofit Administration offers an interdisciplinary minor in Nonprofit Management which includes courses that address competencies necessary for work in nonprofit organizations. The minor is open to students majoring in any department in the University or to special students who wish to enroll in order to take such a program.

Students who complete this minor and specified co-curricular activities will be eligible for certification in Nonprofit Management and Leadership by American Humanics. The certification program is designed to build competencies in nonprofit administration through coursework, internships, volunteer opportunities, student association leadership activities and professional development workshops.

The Minor: 18 semester hours, three hours of a required course, and 15 hours from the guided electives.

Required course (3 hours): PADM 4226 Introduction to Nonprofit Organizations

Guided electives (15 hours): Choose one from each category: (3 hours):

1. Accounting and Financial Management: ACCT 2010 or PADM 4227
2. Organization and Administration: PADM 3601; MGMT 3110
3. Communication Skills: COMM 4342, COMM 4375; COMM 4380; COUN 4621, MGMT 4420 or SWRK 3902
4. Nonprofit Context: ANTH/PADM 4412, ART 3411, CSED 3302, POLS 3505, PSYC 3103, SOCI 4923, or SWRK 2911
5. Nonprofit Organizations: PADM 4231; INTL 4911; or SWRK 4830/4831, or another approved internship course.

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
 African and African American Studies (AAAS)
 Anthropology (ANTH)
 Biology (BIOL)
 Chemistry (CHEM)
 Computer Science (COMP)
 Criminology and Criminal Justice (CJUS)
 Earth Sciences (ESCI)
 English (ENGL)
 Emergency Management (EMGT)
 Environmental Studies (ENVR)
 Health Administration (HADM)
 History (HIST)
 International Studies (INTL)
 Judaic Studies (JDST)
 Mathematics (MATH)
 Military Science (ARMY)
 Naval Science (NAVY)
 Philosophy (PHIL)
 Physics (PHYS)
 Political Science (POLS)
 Open Learning Fire Services Program (PADM)
 Public and Nonprofit Administration (PADM)
 Psychology (PSYC)
 Religious Studies (RLGN)
 Social Work (SWRK)
 Sociology (SOCI)
 Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
 Chinese (CHIN)
 Classics (CLAS)
 French (FREN)
 German (GERM)
 Greek (GREK)
 Hebrew (HEBR)
 Italian (ITAL)
 Japanese (JAPN)
 Languages and Literature (LALI)
 Latin (LATN)
 Portuguese (PORT)
 Russian (RUSS)
 Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
 Business Administration (BA)
 Supply Chain Management Science (SCMS)
 Economics (ECON)

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
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Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
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College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

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Health and Sport Sciences

Dietetics (NUTR)
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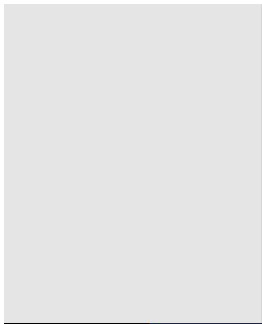
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Religious Studies Minor

Interdisciplinary Studies Office

Religious Studies Minor

The minor in Religious Studies is designed for students with a diversity of backgrounds and interests in religion. Just as religion is interrelated with many other aspects of society and culture, the minor in Religious Studies will complement coursework and research on religion undertaken in a broad range of disciplines and major departments. The required courses, Introduction to Religion, and Perspectives on Religion, provide students with an appreciation of the variety of phenomena that has characterized the religious experiences and actions of humanity, and with knowledge of the basic approaches that have been used to understand such experiences and actions. Elective courses offered in several departments permit the student to develop his or her interest further, by exploring particular religious traditions and ways of studying religion. The Senior Capstone Project integrates previous learning and can be coordinated with work done in the student's major, if desired, through arrangement of an appropriate faculty sponsor.

The Minor: 18 semester hours of required courses and electives:

Lower Division Core (3 hours)

RLGN 1100 Introduction to Religion

Upper Division Core (3 hours)

RLGN 3100 Perspectives on Religion

Senior Capstone Project (3 hours)

RLGN 4990 Senior Capstone Project in Religious Studies

Electives (9 hours)

All courses listed below are 3 hours unless otherwise noted. Other courses, including special topics, individual study, and directed readings courses, may be counted with prior permission of the Program Coordinator.

Elective Course Listing:

AAAS 4251, African Religions/Diaspora; ANTH 4253, Anthropology of Religion; ARTH 4031, Art/Iconoclasm/Images; CLAS 2481, Mythology; ENGL 4461, Bible as Literature; HIST 3273, Islamic Civilization; HIST 3274, Modern Islamic World; HIST 3275, History of Jewish People; HIST 4064, Ancient India; JDST 2850, Religions of Abraham; JDST 3601, Judaism; JDST 3661, Old Testament; JDST 3801, Jewish Thought I; JDST 3802, Jewish Thought II; JDST 4511, Holocaust Studies; JDST 4801, Jewish Mysticism; JDST 4841, Biblical Archaeology; PHIL 3701, Human and the Divine; PHIL 3702, Philosophy of Religion; PHIL 3721, Chinese Philosophy; POLS 3102, Religion and Politics; RLGN 4010, Directed Readings; RLGN 4050-75, Special Topics in Religious Studies; SOCI 3860, Sociology of Religion; UNIV 3581, Faith, Reason and Imagination.

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[Health Administration \(HADM\)](#)
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[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
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College of Education, Health and Human Sciences

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Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
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Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

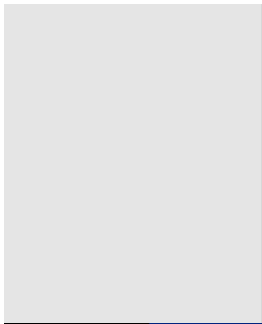
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Nursing (NURS)



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Social Work

School of Urban Affairs and Public Policy

Department of Social Work

The main goal of the baccalaureate social work program is to prepare students for entry level generalist practice. A secondary goal is to provide a strong foundation for students who wish to pursue social work education at the graduate level. Social service and life experiences may not be substituted for any social work course. The social work program is accredited by the Council on Social Work Education.

Social Work Major (B.A.)

The B.A. program in Social Work is designed to equip students with the knowledge and skills necessary for entrance into the profession of social work as beginning level generalist practitioners. Program objectives for a B.A. in Social Work are: a) apply critical thinking skills within the context of professional social work practice; (b) understand the value base of the profession and its ethical standards and principles, and practice accordingly; (c) practice without discrimination to needs of diverse clientele; (d) apply strategies of advocacy and social change that advance social and economic justice.

ADMISSION: Admission to the university will allow students to choose "Pre-Social Work" as their major. Progression to the major of "Social Work" will occur only after the student successfully completes the the following course with a minimum grade of "C":

SWRK 2010; SWRK 2911

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

Students majoring in Social Work must take SOCI 3422 to fulfill part of the University General Education History requirement.

B. College and Degree (B.A.) Requirements (12-16 hours)

The [College and Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements.

Students majoring in Social Work must take PHIL 1611 to fulfill the B.A. Mathematics/Natural Sciences requirement prior to taking SOCI 3311 and SWRK 3930.

C. The Major (39 hours in addition to University General Education Program requirements)

Completion of SWRK 2010, 2911, 3902, 3903 (4), 3904, 3906, 3920, 3930, 4830, 4831(4), 4840(2), 4841(2). BIOL 1010/1011, BIOL 1020/1021, ANTH 1200 (included in the University General Education Program requirements), and SOCI 3311 are required.

NOTE: Successful student progression requires each student to earn a minimum grade of "C" in all required courses for the pre-social work and the social work majors. Students repeating two required classroom courses for the major or field instruction will have an academic review by department faculty in the term following the second course repetition. Students should have a minimum of 30 hours completed including ENGL 1020, ANTH 1200, and two courses from the following list: SOCI 1010; PSYC 1030; POLS 1030; or ECON 2020 before entering the introductory social work courses, SWRK 2010 and SWRK 2911.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
 African and African American Studies (AAAS)
 Anthropology (ANTH)
 Biology (BIOL)
 Chemistry (CHEM)
 Computer Science (COMP)
 Criminology and Criminal Justice (CJUS)
 Earth Sciences (ESCI)
 English (ENGL)
 Emergency Management(EMGT)
 Environmental Studies (ENVR)
 Health Administration (HADM)
 History (HIST)
 International Studies (INTL)
 Judaic Studies (JDST)
 Mathematics (MATH)
 Military Science (ARMY)
 Naval Science (NAVY)
 Philosophy (PHIL)
 Physics (PHYS)
 Political Science (POLS)
 Open Learning Fire Services Program (PADM)
 Public and Nonprofit Administration (PADM)
 Psychology (PSYC)
 Religious Studies (RLGN)
 Social Work (SWRK)
 Sociology (SOCI)
 Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
 Chinese (CHIN)
 Classics (CLAS)
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 Languages and Literature (LALI)
 Latin (LATN)
 Portuguese (PORT)
 Russian (RUSS)
 Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
 Business Administration (BA)
 Supply Chain Management Science (SCMS)
 Economics (ECON)

Social Work Minor

Completion of 18 semester hours in sociology and social work courses including SOCI 1010, SWRK 2010, and 2911, and 9 additional upper division hours in social work courses.

Typical 4-Year Social Work Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
MATH*	3-4	PHIL 1611	3
ANTH 1200	3	Humanities*	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
Elective	3	Social/Behavioral Sciences*	3

Semester Totals	15-16 hrs		15 hrs
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Sophomore Year

ENGL 2201 or 2202	3	History*	3
Additional Social Science*	3	Fine Arts*	3
SWRK 2010	3	Elective	3
BIOL 1010/1011	4	BIOL 1020/1021	4
SWRK 2911	3	SWRK 3902	3

Semester Totals	16 hrs		16 hrs
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Junior Year

SWRK 3903	4	SWRK 3904	3
SWRK 3920	3	COMM 2381	3
SOCI 3311	3	SWRK 3930	3
Elective	3	SWRK 3906	3
SOCI 3422	3	UD Humanities/B.A.	3

Semester Totals	16 hrs		15 hrs
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Senior Year

SWRK 4830	3	SWRK 4841	2
SWRK 4840	2	UD elective	3
Elective	3	SWRK 4831	4
Elective	4	Elective	3
		Elective	3

Semester Totals	12 hrs		15 hrs
-----------------	--------	--	--------

Total Hours: 120-120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

For the General Education Social/Behavioral Science and Social Science/B.A. - Complete 2 of the following: SOCI 1010, PSYC 1030, POLS 1030, and ECON 2020.

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
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Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

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Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences**Counseling, Educational Psychology and Research**

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
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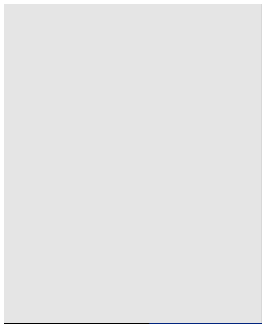
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Sociology

Department of Sociology

Sociology Major (B.A.)

Program objectives for a B.A. in Sociology are: (a) an understanding of and competence in the major theories, statistical techniques, and methodological approaches of sociology; (b) development of theoretical, substantive, and methodological knowledge to conduct research projects or participate in applied research projects; (c) participation in an internship or discipline related experiences; (d) preparation for employment in a sociology-related field or advanced study in sociology or other graduate field.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. College and Degree (B.A.) Requirements (12-16 hours)

The College and Bachelor of Arts requirements are in addition to the University General Education Program requirements.

C. The Major (30 hours)

Completion of 30 semester hours in sociology, SOCI 1010, 3311, 3322, 4210 or 4211, 4999 (or SOCI 4998 for Honors students), and 15 additional upper-division hours in SOCI.

D. Electives

Electives may be chosen to bring the total number of hours to 120.

E. Honors Program

The Honors Program in Sociology requires 18 hours of honors work, at least 12 hours of which must be upper-division sociology courses. To complete the Honors Program, a student must have a minimum overall final grade point average of 3.00 in Sociology, and a 3.25 grade point average in honors course work.

Those students who complete the program and the regular college requirements will be recognized at the commencement ceremony by having their degree conferred "With Honors in Sociology." Moreover, the student's diploma and the record at the University of Memphis will reflect this distinction. Please see the department's Faculty Honors Advisor for more details on the program.

Sociology Minor

SOCI 1010 and 15 upper-division hours in SOCI.

Accelerated B.A./M.A. Program in Sociology

This program allows outstanding undergraduates to begin the coursework for the Master of Arts in Sociology during their senior year. Students are encouraged to begin planning to enter the Accelerated B.A./M.A. program early in their undergraduate career, in consultation with their advisor in the Department of Sociology.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.A. degree while they also begin the coursework toward their M.A.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Sociology department. Each applicant will complete an interview with the graduate academic coordinator in

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
 African and African American Studies (AAAS)
 Anthropology (ANTH)
 Biology (BIOL)
 Chemistry (CHEM)
 Computer Science (COMP)
 Criminology and Criminal Justice (CJUS)
 Earth Sciences (ESCI)
 English (ENGL)
 Emergency Management (EMGT)
 Environmental Studies (ENVR)
 Health Administration (HADM)
 History (HIST)
 International Studies (INTL)
 Judaic Studies (JDST)
 Mathematics (MATH)
 Military Science (ARMY)
 Naval Science (NAVY)
 Philosophy (PHIL)
 Physics (PHYS)
 Political Science (POLS)
 Open Learning Fire Services Program (PADM)
 Public and Nonprofit Administration (PADM)
 Psychology (PSYC)
 Religious Studies (RLGN)
 Social Work (SWRK)
 Sociology (SOCI)
 Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
 Chinese (CHIN)
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 French (FREN)
 German (GERM)
 Greek (GREK)
 Hebrew (HEBR)
 Italian (ITAL)
 Japanese (JAPN)
 Languages and Literature (LALI)
 Latin (LATN)
 Portuguese (PORT)
 Russian (RUSS)
 Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
 Business Administration (BA)
 Supply Chain Management Science (SCMS)
 Economics (ECON)

sociology.

Students must also apply to the Graduate School for the accelerated B.A./M.A. program, which allows them to take graduate courses in sociology. To continue in the program past the B.A., students must apply for full admission into the Graduate School and into the Sociology department's M.A. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Typical 4-Year Sociology Sequence

Freshman Year

SOCI 1010	3	Humanities*	3
ENGL 1010	3	ENGL 1020	3
MATH*	3-4	Nat. Sci./Math/B.A.	3-4
Foreign Language/B.A.	3	Foreign Language/B.A.	3
Elective	3	Social/Behavioral Sciences*	3
Semester Totals	15-16 hrs		15-16 hrs

Sophomore Year

ENGL 2201 or 2202	3	SOCI 3311	3
History*	3	Fine Arts*	3
Elective	3	History*	3
Natural Science*	4	Natural Science*	4
Elective	3	Elective	3
Semester Totals	16 hrs		16 hrs

Junior Year

SOCI 3322	3	SOCI 4210 or 4211	3
UD SOCI	3	UD SOCI	3
Elective	3	UD SOCI	3
UD elective	3	UD elective	3
COMM 2381	3	Elective	3
Semester Totals	15 hrs		15 hrs

Senior Year

UD SOCI	3	SOCI 4999	3
Humanities/B.A.	3	UD elective	3
Elective	3	UD SOCI	3
UD elective	3	Elective	4
Elective	3		
Semester Totals	15 hrs		13 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

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Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
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Music Theory and Composition (MUTC)
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College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

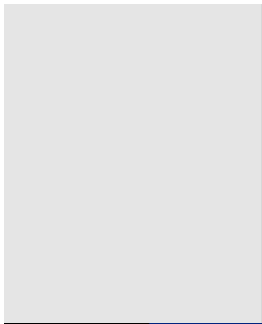
Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

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Loewenberg School of Nursing

Nursing (NURS)



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Women's and Gender Studies

WOMEN'S and GENDER STUDIES

Interdisciplinary Studies Office

This minor exposes students to multidisciplinary approaches to the study of the lives of women, with a special focus upon their racial diversity. Students therefore take courses from both the humanities and social sciences, and study issues of racial diversity as well as gender.

A. The Minor

18 semester hours, 9 hours from the core and 9 hours from the list of approved electives.

B. Core (9 hours)

HIST 4853 or SOCI 4460 or PSYC 3236; PHIL 3452; WMST 2100.

C. Electives (9 hours)

Select one course from each of the following groups:

1. Women's Issues Across Time and Place: ANTH 3511, 4551; CJUS 4460; HIST 4213, 4289, 4831, 4851; SOCI 3432.
2. Cultural Studies: COMM 4364, 4373, 4856; ENGL 3325, 3326, 4372, 4373, 4451; SLS 4125.
3. Diversity Among Women: HIST 3881, 4289, 4853, 4882; PHIL 3741; POLS 3320, 3415, 4415, 4416; SOCI 3401, 3420, 3422, 4420; PSYC 3236.

With approval from the Director of Women's and Gender Studies, a special topics course may be substituted for an elective in each group.

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College of Education, Health and Human Sciences

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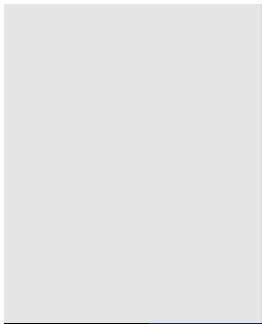
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Aerospace Studies

The Department of Aerospace Studies provides a four-year program of instruction for all qualified U.S. citizens, male and female, divided into two phases, each of two years duration. The first, termed the General Military Course, offers instruction in the foundation of leadership and Aerospace-age citizenship. The second, termed the Professional Officer Course, builds upon these foundations in developing upperclassmen who are to become Air Force officers and serve on active duty upon graduation and commissioning.

Instruction in Aerospace Studies has been an important phase of the curriculum at the University of Memphis since 1951. Active duty Air Force personnel, approved by the University president, are detailed by the Department of the Air Force to administer the instructional program. Air Force officers serve under appointment by the University as Professor or Assistant Professor of Aerospace Studies.

THE GENERAL MILITARY COURSE (GMC)

The two-year (4 semesters) General Military Course consists of one hour a week of classroom instruction and two hours a week in Leadership Laboratory. Textbooks are furnished by the Air Force without charge. Air Force uniforms are furnished and must be properly worn and kept in good condition. Cadets who successfully complete the GMC may apply for admission to the Professional Officer Course.

THE PROFESSIONAL OFFICER COURSE (POC)

The Professional Officer Course provides instruction and systematic training to selected eligible students who desire to qualify as officers in the United States Air Force while pursuing their academic studies at the University. Successful completion of the requirements for the POC and for a baccalaureate degree leads to a commission in the United States Air Force as a Second Lieutenant. To be eligible for selection to the POC, a student must have at least two undergraduate years remaining at the University. Final selection is based on academic standing, leadership potential, percentile score on the Air Force Officer Qualifying Test, and physical qualifications.

LEADERSHIP LABORATORY

This lab is designed around a microcosm of the U.S. Air Force. It gives the cadets the opportunity to develop their leadership potential while allowing the staff to make evaluations based on actual managerial and leadership situations.

AIR FORCE ROTC COLLEGE SCHOLARSHIP PROGRAM

Scholarships paying full tuition and fees, book allowance, and a tax free subsistence allowance of \$350.00 per month are available to entering freshmen and University students who are competitive academically and will enroll in the Air Force ROTC program. Details concerning qualifications and applications can be obtained from the Department of Aerospace Studies. NOTE: Several loan funds are also available to students enrolled in AFROTC. For more information, contact the department staff.

FIELD TRAINING

Field Training is offered during the summer months at selected Maxwell Air Force Base in Montgomery, Alabama. Students in the four-year program participate in four weeks of Field Training (AERO 3211), usually between their sophomore and junior years. Students applying for entry into the program with less than four years must successfully complete five weeks of Field Training (AERO 3212) prior to enrollment in the Professional Officer Course.

AEROSPACE STUDIES MINOR

Upon successful completion of 16 semester hours in Aerospace Studies with a minimum grade of C, a cadet may apply for a minor in Aerospace Studies.

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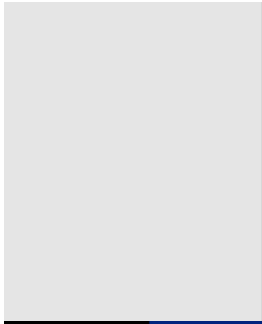
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Military Science

The Department of Military Science provides a four-year program of instruction designed to provide qualified college men and women with practical experience in the art of organizing, motivating and leading others. The program is divided into two courses each of two years duration. The first, called the Basic Course, offers instruction in leadership skills, soldiering skills, and the role and use of armed forces. The second, called the Advanced Course, builds on the Basic Course, offers practical leadership experience, and prepares the student for commissioning as an Army officer. Students may apply for the four year program, which can be completed in three years with department permission, or for the two-year program.

Department faculty and staff are active duty Army personnel detailed by Department of the Army and approved by the University president. The Army officers are appointed by the University as Professor or Assistant Professor of Military Science. Students interested in enrolling in any Military Science course should contact the Department of Military Science.

THE BASIC COURSE

The Basic Course, two years in duration, consists of two semesters of one hour per week of classroom instruction and two semesters of two hours per week of classroom instruction. Courses are designed to be taken in the following order: ARMY 1100, 1110, 1115, 1120, 2100, 2115, 2120, 3105. All textbooks are furnished, without charge, by the department.

All offered courses count as elective credit toward the total university required hours for a degree. ARMY 2115/2120 meets the physical activity portion of the University General Education Program Fitness and Wellness requirement.

The Basic Course is designed for incoming freshmen. All other students are eligible to enter and may compress the Basic Course requirements into one year, with department permission. There is NO MILITARY OBLIGATION for enrolling in the Basic Course. Unless specified in the course description, students in the Basic Course are not required to wear uniforms or attend leadership laboratory.

Students who successfully complete the Basic Course may apply for entry into the Advanced Course.

THE ADVANCED COURSE

The Advanced Course prepares qualified, selected male and female students for commissioning as Army officers while they continue to pursue academic degrees. Upon graduation, students may then serve in the Regular Army, Army Reserve, or Army National Guard in a variety of career fields.

To be eligible for the Advanced Course, the student must have completed the Basic Course or equivalent, (see 2-year program), be enrolled in the university full time, have at least two years remaining at the university (undergraduate or graduate), and be a U.S. citizen. Final selection is based on demonstrated academic performance, leadership potential, a qualifying score on the Officer Selection Battery of Tests, and physical qualifications.

The Advanced Course is two years in duration. During each of four semesters, the student attends three hours per week of classroom instruction and two hours per week of leadership laboratory. It is composed of ARMY 3100, 3111, 3115, 3121, 4100, 4110, 4111, 4115, and 4121, in sequence. All students receive a monthly subsistence allowance of \$200.00, tax free, while enrolled in classes. All textbooks, uniforms, and equipment are furnished, without charge, by the department.

Students are given the opportunity to develop their leadership skills through the leadership laboratory, field training, and the Advanced Camp. The leadership laboratory is designed around a cadet structure that parallels a U.S. Army unit. Field training

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exercises are conducted over a weekend and are an extension of the laboratory. Students are also required to attend a six-week Advanced Camp during the summer between their two years in the Advanced Course. Advanced Camp is held at a U.S. Army post. Students are paid for the six weeks at the rate of one-half the pay of a Second Lieutenant and are furnished quarters and rations as well as transportation to and from the post.

All required courses count as elective credit toward the total university required hours for a degree. Completion of the Advanced Course meets the Fitness and Wellness University General Education Program requirement.

THE SENIOR ARMY ADVANCED COURSE

The Senior Army Advanced Course prepares qualified, male and female students for commissioning as Army officers while they continue to pursue academic degrees. Upon graduation, students may then serve in the Regular Army, Army Reserve, or Army National Guard in a variety of career fields. To be eligible for the Senior Army Advanced Course, the student must have completed the four year ROTC academic program, be enrolled in the university, and be a U.S. citizen. Enrollment in the Senior Army Advanced Course is on a case by case requirement. All textbooks, uniforms, and equipment are furnished, without charge, by the department or university. Students are given the opportunity to further develop their leadership skills through the leadership laboratory, and mandatory physical training. The leadership laboratory is designed around a cadet's structure and all Field Training Exercises are conducted over a weekend and are an extension of the laboratory. The Senior Army Advanced Course does not count as credit toward the total university required hours for a degree.

THE TWO-YEAR PROGRAM

The Two-Year Program provides the opportunity to those students who did not enroll in the Four-Year Program to enroll in the Advanced Course. There are three methods for students to receive placement credit for the Basic Course and enter directly into the Advanced Course.

Students who meet qualifying criteria may receive credit for the Basic Course by attending the six-week Basic Camp at Fort Knox, Kentucky, during the summer. NO MILITARY OBLIGATION is incurred by the student by attending the Basic Camp. Students are paid for the six weeks at the rate of one-half the pay of a Second Lieutenant and are furnished quarters and rations as well as transportation to and from, or a mileage allowance for use of their own automobile. Successful completion of the Basic Camp will make the student eligible to enter the Advanced Course. Interested students should contact the Department of Military Science anytime during the academic year preceding the summer they desire to attend the camp.

Students who have completed Army Basic Combat Training and Advanced Individual Training or who have completed a minimum of three years of Army Junior ROTC in high school may be granted credit for the Basic Course by the Professor of Military Science and would then be eligible for entry into the Advanced Course, provided all other requirements are met. These students, as well as Basic Camp graduates, selected for enrollment in the Advanced Course are enrolled with the same status as cadets in the Four-Year Program.

THE MINOR

A minor in Military Science can be obtained through meeting the following requirements: 19 semester hours consisting of ARMY 3100, 3105, 3111, 3115, 3121, 4100, 4111, 4115 and 4121.

SCHOLARSHIP PROGRAM

Scholarships paying tuition, maintenance fee and other fees, a book allowance, and a tax-free subsistence allowance of \$200.00 per month are available to university freshmen and sophomores who are competitive academically and who will enroll in the Army ROTC program. Applications are taken from December to February each academic year. Details concerning qualifications can be obtained from the Department of Military Science.

SIMULTANEOUS MEMBERSHIP PROGRAM

The Simultaneous Membership Program is a voluntary program under which qualified cadets in the Advanced Course may concurrently join an Army National Guard unit. The program is designed to provide cadets with additional opportunities for leadership development and, at the same time, provide them with practical unit experience as Second Lieutenant. Cadets serve in an officer-trainee capacity and participate in regular unit drills held one weekend per month and two weeks per summer. Cadets are paid for all drills at the rate of a sergeant. This pay is in addition to the regular monthly subsistence for Army ROTC cadets. Details concerning qualifications and information on availability of allocations can be obtained from the Department of Military Science.

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

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Educational Services (EDSV)
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Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
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Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

PROFESSIONAL MILITARY EDUCATION

Professional Military Education is a component of the academic preparation for students desiring to pursue a commission as an Army officer. It consists of two essential parts, a baccalaureate degree and completion of university-taught, undergraduate courses from each of five designated fields of study. The fields of study are written communications, human behavior, military history, computer literacy, and math reasoning. Military Science students enrolled in the Advanced Course are also encouraged to take management and national security studies. Students may substitute approved alternative courses for any of these requirements. This is a requirement for students enrolled in the Advanced Course only, though applicable courses taken during enrollment in the Basic Course or before enrollment may still meet the requirement. Related required and elective courses taken for university degree requirements may also satisfy the requirement. Some of the Professional Military Education required courses may be waived by the Professor of Military Science if they would interfere with a student's required curriculum for award of a particular university degree.

SPONSORED ACTIVITIES

The Department of Military Science sponsors the following voluntary extracurricular activities to provide students in both the Basic Course and Advanced Course with additional opportunities to develop leadership in conjunction with extending the student's knowledge of military skills:

1. The Army ROTC Tiger Color Guard-Members develop skill in standard drill and military ceremonies. The team provides color guards at the University of Memphis athletic events and drills competitively against ROTC teams of other colleges and universities. The team is open to individuals enrolled in any Military Science course.
2. U of M Ranger Company-Members develop skills associated with patrolling, mountaineering, survival training, and other similar activities. The Ranger Company is an adventure-type unit under the direction of Army ROTC Advanced Course cadets. Membership is open to all interested full-time students.

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Naval Science

The Department of Naval Science develops future officers mentally, morally, and physically, and instills in them the highest ideals of duty, loyalty, and core values of Honor, Courage, and Commitment in order to commission college graduates as Naval officers. These students will possess a basic professional background, will be motivated toward careers in the Naval Service, and have a potential for future development in mind and character so as to assume the highest responsibilities of command, citizenship, and government.

REQUIREMENTS

The general requirements for enrollment in the NROTC are:

1. Be a United States citizen or national;
2. Have no moral obligations or personal convictions that will prevent bearing of arms and supporting and defending the Constitution of the United States against all enemies, foreign and domestic or to taking an oath to perform such acts;
3. Be at least 17 years of age on or before 1 September of the year of enrollment and less than 27 years of age on 31 December of the year an applicant expects to graduate, complete all NROTC training requirements, and be commissioned. Those with prior or current active duty in the Armed Forces may be granted age waiver equal to the number of months served. Those granted the maximum age waiver must not have reached their 30th birthday by 31 December of the year graduation and commissioning are anticipated;
4. Meet physical requirements;
5. Possess a high school diploma or equivalent certificate;
6. Be accepted for admission as a full-time student at the University of Memphis.

NATIONAL FOUR-YEAR SCHOLARSHIP

Recipients of National Four-Year scholarships are selected from applicants through a national competition. Applicants apply for either Navy Option or Marine option and selectees are appointed midshipmen in either the United States Naval Reserve (USNR) or United States Marine Corps Reserve (USMCR), as appropriate. Selectees also are granted the compensation and benefits authorized by law and current policy not to exceed four years (40 months or 50 months with approved fifth year benefits). During this period, the government pays for college tuition, authorized fees, a textbook stipend, a subsistence allowance as prescribed by law and Navy policy, and provides uniforms or compensation in lieu.

COLLEGE PROGRAM

The College Program is an alternative route into the NROTC program, and is for individuals who were not selected for a national scholarship or who did not apply for a national scholarship. Individuals can apply for the College Program at anytime. College Program students receive no monetary benefit from being in the program, but are given all uniforms.

NAVAL SCIENCES MINOR

Completion of 18 semester hours in the following: NAVY 1500, 1600, 2500, 4600 (9 hours total); and select three courses from the following electives: NAVY 2600, 3500, 3520, 3600, 3620, 4500 or 4520.

The Naval Science Minor and all Naval Science courses do not require enrollment in the Naval ROTC program and are open to all University of Memphis students.

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
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[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
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[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

Finance (FIR)
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Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

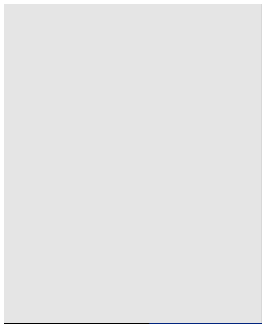
Early Childhood Education (ECED)
Educational Services (EDSV)
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The Fogelman College of Business and Economics

Rajiv Grover, Ph.D., Dean
Room 432, Fogelman Business and Economics Building
(901) 678-2432
<http://www.memphis.edu/fcbe/>

Jasbir S. Dhaliwal, Ph.D.
Associate Dean for Academic Programs
FAB Room 426
(901) 678-5402

PURPOSE

The function of The Fogelman College of Business and Economics is to provide the basic education at the undergraduate level necessary to prepare a person to enter the profession of business. A significant characteristic of the college is that it provides for concentration in the departments of economics and business, not as a substitute for, but as a part of, a broad liberal education. The undergraduate and graduate programs of the college are fully accredited by the AACSB International (Association to Advance Collegiate Schools of Business International).

Mission and Objectives of the Undergraduate Program

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Academic Department Requirements for Majors and Minors

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[Management](#)
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Accounting

School of Accountancy

The mission of the bachelor's degree program in Accountancy is to serve the needs of students, the accounting profession, and the general business community through teaching, research and service. Within this mission, the department offers students a balanced integrative approach to business education. In this interdisciplinary view, students must have a broad University General Education Program grounded in nonbusiness courses, a strong supporting business acumen, and an interrelated view of accounting to the other departments of business. Specifically, accounting classes synthesize accounting with the financing, investing, and operating functions so that students can develop their critical thinking skills and apply them to making decisions on accounting and other business problems.

Overall, the B.B.A. with a major in Accounting is built on the foundation of technical, interpersonal, and communication skills. This focus allows enhancement of careers and leadership to businesses and government units that would strengthen the economic development of communities, state, and nation. Program objectives for the B.B.A. in Accounting are found [here](#).

Accounting (B.B.A.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note that MATH 1830 or 1910 (Mathematics requirement) with a minimum grade of "C", ECON 2010 and 2020 (Social/Behavioral Sciences requirement) are specified for the B.B.A. degree.

B. College and Degree (B.B.A.) Requirements (42 hours)

Lower Division Business Core Curriculum (12 hours)

No grade below "C" and 2.25 GPA (2.5 for accounting majors) in ECON 2010, ECON 2020 and the following lower division courses

ACCT 2010 Fundamentals of Accounting I (3)

ACCT 2020 Fundamentals of Accounting II (3)

SCMS 2710 Business Statistics (3) or MATH 1530 Prob/Statistics/Non Calculus (3)

MIS 2749 Introduction to Business Microcomputer Applications (3)

Upper Division Business Core Curriculum (30 hours)

No grade below "C" and 2.25 GPA in the following courses:

ACCT 3130 Legal, Social, and Political Environment of Business (3)

FIR 3410 Business Finance (3)

MGMT 3110 Organization and Management (3)

MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors)

MKTG 3010 Principles of Marketing (3)

MGMT 3510 Business Communication (3)

SCMS 3510 Production and Operations Management (3)

SCMS 3711 Analytical Tools for Business Decisions (3)

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
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English (ENGL)
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Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
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Philosophy (PHIL)
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Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
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Social Work (SWRK)
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Classics (CLAS)
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Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

MIS 3210 Critical Thinking in Project Management for Business (3)

Choose One:

ACCT 4625 International Accounting: IFRS vs US GAAP (3); MGMT 4810 International Management (3); MKTG 4530 International Marketing (3); ECON 4350 International Economics (3); FIR 4550 International Finance (3); MGMT 4510 International Business Communication and Negotiation (3); HPRM 4400 International Hospitality (3); MIS 4310 Global Information Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course from FIR 4110-4119 (3) when the topic pertains to international business and has been approved in advance by the department chair.

Transfer students are referred to the section Transfer Credit in the College of Business and Economics description.

C. The Major (27 hours)

No grade below "C" and a minimum 2.25 GPA in the major.

27 upper division semester hours in Accounting courses as follows: ACCT 3011, 3110, 3120, 3310, 3510, 4020, 4240, and 6 hours of accounting elective.

D. Electives (10 hours)

Lower division or upper division courses to bring the total of hours earned to 120.

Accounting Minor

For students whose major is in another college of the University (18 hours): ACCT 2010, 2020, 3110, 3120, 3310, 3510.

For students whose major is in a department in The Fogelman College of Business and Economics (12 hours): ACCT 3110, 3120, 3310, 3510.

Typical 4-Year Accounting Sequence:**Freshman Year**

ENGL 1010	3	ENGL 1020	3
Humanities/Fine Arts*	3	Elective	3
Humanities/Fine Arts*	3	ECON 2020	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3

Semester Totals	13-15 hrs	15 hrs
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Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202	3	Natural Science*	4
COMM 2381	3	History*	3
Natural Science*	4	ECON 2010	3
SCMS 2710 or MATH 1530	3	Elective	3

Semester Totals	16 hrs	16 hrs
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Junior Year

ACCT 3130	3	ACCT 3120	3
ACCT 3110	3	ACCT 3310	3
ACCT 3510	3	FIR 3410	3
MGMT 3510	3	MGMT 3110	3
MIS 3210	3	MKTG 3010	3

Semester Totals	15 hrs	15 hrs
-----------------	--------	--------

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
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Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
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Music Theory and Composition (MUTC)
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College of Education, Health and Human Sciences**Counseling, Educational Psychology and Research**

Counseling and Personnel Services (COUN)
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Health and Sport Sciences

Dietetics (NUTR)
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Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Senior Year

ACCT 3011	3	ACCT 4240	3
ACCT 4020	3	ACCT elective	3
ACCT elective	3	Intl Business elective	3
SCMS 3510	3	MGMT 4710	3
History*	3	SCMS 3711	3
Semester Totals	15 hrs		15 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

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Business Economics

Department of Economics

The Business Economics program has two major objectives. The first is to provide majors and minors with a solid foundation in economics and the critical thinking skills needed to make effective decisions.

The second objective is to promote and develop economic literacy throughout the Fogelman College of Business and Economics, the University of Memphis and the local and regional community.

Through the pursuit of these two major objectives, the Department of Economics and its faculty and staff dedicate themselves to the economic education of our students and our community. The learning objectives for the B.B.A. degree in Business Economics are found [here](#).

Business Economics Major (B.B.A.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note that MATH 1830 or 1910 (Mathematics requirement) with a minimum grade of "C", ECON 2010 and 2020 (Social/Behavioral Sciences requirement) are specified for the B.B.A. degree.

B. College and Degree (B.B.A.) Requirements (42 hours)

Lower Division Business Core Curriculum (12 hours)

No grade below "C" and 2.25 GPA (2.5 for accounting majors) in ECON 2010, ECON 2020 and the following lower division courses

ACCT 2010 Fundamentals of Accounting I (3)

ACCT 2020 Fundamentals of Accounting II (3)

SCMS 2710 Business Statistics (3) or MATH 1530 Prob/Statistics/Non Calculus (3)

MIS 2749 Introduction to Business Microcomputer Applications (3)

Upper Division Business Core Curriculum (30 hours)

No grade below "C" and 2.25 GPA in the following courses:

ACCT 3130 Legal, Social, and Political Environment of Business (3)

FIR 3410 Business Finance (3)

MGMT 3110 Organization and Management (3)

MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors)

MKTG 3010 Principles of Marketing (3)

MGMT 3510 Business Communication (3)

SCMS 3510 Production and Operations Management (3)

SCMS 3711 Analytical Tools for Business Decisions (3)

MIS 3210 Critical Thinking in Project Management for Business (3)

Choose One:

ACCT 4625 International Accounting: IFRS vs US GAAP (3); MGMT 4810 International

Course Descriptions

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Fogelman College of Business and Economics

Accountancy (ACCT)
 Business Administration (BA)
 Supply Chain Management Science (SCMS)
 Economics (ECON)

Management (3); MKTG 4530 International Marketing (3); ECON 4350 International Economics (3); FIR 4550 International Finance (3); MGMT 4510 International Business Communication and Negotiation (3); HPRM 4400 International Hospitality (3); MIS 4310 Global Information Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course from FIR 4110-4119 (3) when the topic pertains to international business and has been approved in advance by the department chair.

Transfer students are referred to the section Transfer Credit in the College of Business and Economics description.

C. The Major (24 hours)

No grade below "C" and a minimum 2.25 GPA in the major.

A minimum of 24 upper-division semester hours as follows:

1. For students choosing the Business Economics major with no concentration: ECON 3310, 3320, and six upper-division economics courses (18 hours) selected with the approval of the department advisor.
2. For students choosing the Business Economics major with a concentration in Financial Economics: ECON 3310, 3320, and three upper-division economics courses (9 hours) and three upper-division FIR courses (9 hours) selected with the approval of the department advisor.

D. Electives (13 hours)

Lower division or upper division courses to bring the total of hours earned to 120.

E. Honors Program

To be considered for the Honors Degree Program in Economics, the student must:

Maintain a minimum grade of "B" in honors sections of both ECON 2010 (Introduction to Macroeconomics) and ECON 2020 (Introduction to Microeconomics); and obtain the recommendation of a faculty member in the Department of Economics to the Department Honors Committee.

Once accepted to the Honors Degree Program in Economics, the student must:

Maintain an average GPA of 3.25 in all economics courses to continue in the program; Have a minimum GPA of 3.5 in all economics courses at graduation; Enroll in ECON 3310 (Microeconomic Theory) and ECON 3320 (Macroeconomic Theory) with an honors contract. Those contracts will be discussed with and approved by the faculty member teaching each course; and write an honors thesis. This begins with finding a faculty advisor for the thesis project, discussing a thesis topic, then writing the thesis. The honors thesis typically takes one semester to complete, although work on it can begin early. When working on the honors thesis, the student will enroll in a section of ECON 4996 (Honors Thesis in Economics) for up to one semester. The completed thesis will be graded by the faculty advisor.

Upon successfully completing all these requirements, the student will be recognized at the commencement ceremony by having their degree conferred "With Honors in Economics." Moreover the student's diploma and the record at the University of Memphis will reflect this accomplishment.

Business Economics Minor

For students whose major is in another college of the University: 18 semester hours in economics courses, including ECON 2010, 2020, and 12 additional upper division hours in courses as approved by the department chair.

For students whose major is in another department in The Fogelman College of Business and Economics: Either ECON 3310 or ECON 3320 plus nine additional upper division hours in economics approved by the department chair.

Accelerated B.B.A./M.A. Program in Economics

This program allows outstanding undergraduates to begin the coursework for the Master of Arts in Economics during their senior year. Students are encouraged to begin planning to enter the Accelerated B.B.A./M.A. program early in their undergraduate career, in consultation with their advisor in the Department of Economics.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.B.A. degree while they also begin the coursework toward their M.A.

To apply, students must have a minimum 3.25 grade point average, and must submit

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT) Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

two reference letters and a copy of their transcript to the Economics department. Each applicant will complete an interview with the graduate academic coordinator in economics.

Students must also apply to the Graduate School for the accelerated B.B.A./M.A. program, which allows them to take graduate courses in economics. To continue in the program past the B.B.A., students must apply for full admission into the Graduate School and into the Economics department's M.A. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Typical 4-Year Business Economics Sequence:

Freshman Year

ENGL 1010	3	ENGL 1020	3
ECON 2010	3	Elective	3
Humanities/Fine Arts*	3	ECON 2020	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	13-15 hrs		15 hrs

Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202	3	Natural Science*	4
COMM 2381	3	History*	3
Natural Science*	4	Humanities/Fine Arts*	3
SCMS 2710 or MATH 1530	3	Elective	3
Semester Totals	16 hrs		16 hrs

Junior Year

ECON 3310	3	ECON 3320	3
ACCT 3130	3	ECON elective	3
SCMS 3711	3	FIR 3410	3
ECON elective	3	MGMT 3510	3
MIS 3210	3	MGMT 3110	3
Semester Totals	15 hrs		15 hrs

Senior Year

ECON elective	3	ECON elective	3
ECON elective	3	ECON elective	3
Elective	3	Intl Business elective	3
SCMS 3510	3	MGMT 4710	3
MKTG 3010	3	History*	3
Semester Totals	15 hrs		15 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

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Finance

Department of Finance, Insurance and Real Estate

The primary objective of the Finance program is to provide the basic concepts, principles and analytical tools essential for business decisions in the fields of finance. The curriculum is designed to provide a broad background for effective functioning within the discipline:

Finance majors study the environment, theory and techniques of decisions on the acquisition of funds by business firms, including the applied areas of investment, financial institutions, real estate, and risk management and insurance. Program objectives for the B.B.A. in Finance are found [here](#).

Professional Real Estate Certificate

A Professional Real Estate Certificate is designed for students who desire careers in real estate or for the real estate professional seeking continuing education. It consists of the six required courses (18 hours): FIR 3310, 3410, 4310, 4320, 4340 and 4350. This program is independent of any University of Memphis degree program. No transfer credit will be accepted for these six courses. For non-business degree students, there are no prerequisites required. These classes are available on campus and online. Also, out-of-state online student are eligible for a scholarship to offset the difference between out-of-state fees and in-state fees.

Finance Major (B.B.A.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note that MATH 1830 or 1910 (Mathematics requirement) with a minimum grade of "C", ECON 2010 and 2020 (Social/Behavioral Sciences requirement) are specified for the B.B.A. degree.

B. College and Degree (B.B.A.) Requirements (42 hours)

Lower Division Business Core Curriculum (12 hours)

No grade below "C" and 2.25 GPA (2.5 for accounting majors) in ECON 2010, ECON 2020 and the following lower division courses

ACCT 2010 Fundamentals of Accounting I (3)

ACCT 2020 Fundamentals of Accounting II (3)

SCMS 2710 Business Statistics (3) or MATH 1530 Prob/Statistics/Non Calculus (3)

MIS 2749 Introduction to Business Microcomputer Applications (3)

Upper Division Business Core Curriculum (30 hours)

No grade below "C" and 2.25 GPA in the following courses:

ACCT 3130 Legal, Social, and Political Environment of Business (3)

FIR 3410 Business Finance (3)

MGMT 3110 Organization and Management (3)

MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors)

MKTG 3010 Principles of Marketing (3)

MGMT 3510 Business Communication (3)

Course Descriptions

College of Arts and Sciences

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[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

SCMS 3510 Production and Operations Management (3)

SCMS 3711 Analytical Tools for Business Decisions (3)

MIS 3210 Critical Thinking in Project Management for Business (3)

Choose One:

ACCT 4625 International Accounting: IFRS vs US GAAP (3); MGMT 4810 International Management (3); MKTG 4530 International Marketing (3); ECON 4350 International Economics (3); FIR 4550 International Finance (3); MGMT 4510 International Business Communication and Negotiation (3); HPRM 4400 International Hospitality (3); MIS 4310 Global Information Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course from FIR 4110-4119 (3) when the topic pertains to international business and has been approved in advance by the department chair.

Transfer students are referred to the section Transfer Credit in the College of Business and Economics description.

C. The Major (24 hours)

No grade below "C" and a minimum 2.25 GPA in the major.

1. Core requirements: A minimum of 24 upper division semester hours in courses as follows: FIR 3710 or 4730, 3720, 4440, and one of the following concentrations.

2. Concentrations (15 hours)

a. *Banking and Financial Services*: FIR 4710, 4720, 4911, and 6 hours from ECON 3610, FIR 3310, 3810, 4011, 4310, 4320, 4331, 4350, 4610, 4810, 4870

b. *Business Finance*: FIR 4610 and 12 hours from the following: at least three courses from FIR 4331, 4550, 4710, 4720, 4721, 4770, 4911; no more than one course from FIR 3310, 4870, ECON 4112, 4120, MIS 3775

c. *Real Estate*: FIR 3310, 4320, 4350, two courses from FIR 4310, 4340, 4911, ECON 4112, ESCI 4515

d. *Risk Management and Insurance*: FIR 3810, 4870, and three courses from FIR 4720, 4810, 4820, 4911, ECON 4112, 4740

D. Electives (13 hours)

Lower division or upper division courses to bring the total of hours earned to 120.

Banking and Financial Services Minor

For students whose major is in another department in The Fogelman College of Business and Economics: (9 hours) FIR 3720, 4710 and 4720.

For students whose major is within another college at the University (21 hours) ACCT 2010, ECON 2010, 2020, FIR 3410, 3720, 4710 and 4720.

Business Finance Minor

For students whose major is in another department in The Fogelman College of Business and Economics: 9 upper division hours in finance approved by the finance undergraduate career advisor or department chair.

For students whose major is within another college at the University: (21 hours) ACCT 2010; ECON 2020; FIR 3410, 3710, 3720. Six additional upper division hours approved by the finance undergraduate career advisor or department chair.

Real Estate Minor

For students whose major is in another department in The Fogelman College of Business and Economics: (12 hours) FIR 3310, 4310, and six additional upper division hours in real estate approved by the real estate undergraduate career advisor or department chair.

For students whose major is within another college at the University: (21 hours) ACCT 2010; ECON 2020; FIR 3310, 3410, 4310, and six additional upper division hours in real estate approved by the real estate undergraduate career advisor or department chair.

Risk Management and Insurance Minor

For students whose major is in another department in The Fogelman College of Business and Economics: (9 hours) FIR 3810, 4870, and three additional upper division hours in insurance approved by the risk management and insurance career advisor or department chair.

For students whose major is within another college at the University: (21 hours) ACCT

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

2010; ECON 2020; SCMS 2710; FIR 3810, 4870, and six additional upper division hours in insurance or finance approved by the risk management and insurance career advisor or department chair.

Accelerated B.B.A. in Finance with a concentration in 1) Business Finance and 2) Real Estate/M.S. in Business Administration with a concentration in 1) Business Finance and 2) Real Estate

This program allows outstanding undergraduates to begin the coursework for the Master of Science in Business Administration during their senior year. Students are encouraged to begin planning to enter the Accelerated B.B.A./M.S. program early in their undergraduate career, in consultation with their advisor in the Department of Finance, Insurance and Real Estate.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.B.A. degree while they also begin the coursework toward their M.S.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Department of Finance, Insurance and Real Estate. Each applicant will complete an interview with the graduate academic coordinator in finance, insurance and real estate.

Students must also apply to the Graduate School for the accelerated B.B.A./M.S. program, which allows them to take graduate courses in finance, insurance and real estate. To continue in the program past the B.B.A., students must apply for full admission into the Graduate School and into the Finance, Insurance and Real Estate department's M.S. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Typical 4-Year Banking and Financial Services Concentration Sequence:

Freshman Year

ENGL 1010	3	ENGL 1020	3
Elective	3	Humanities/Fine Arts*	3
Humanities/Fine Arts*	3	ECON 2020	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	13-15 hrs		15 hrs

Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	Natural Science*	4
COMM 2381	3	History*	3
Natural Science*	4	Elective	3
SCMS 2710 or MATH 1530	3	ECON 2010	3
Semester Totals	16 hrs		16 hrs

Junior Year

FIR 3410	3	FIR 3710 or 4730	3
MIS 3210	3	FIR 3720	3
SCMS 3711	3	SCMS 3510	3
MGMT 3510	3	FIR elective	3
ACCT 3130	3	MGMT 3110	3
Semester Totals	15 hrs		15 hrs

University College

Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
University College (UNIV)

Independent Programs

Orientation Program (ACAD)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)
Interdisciplinary Studies (INTD)

Senior Year

FIR 4440	3	FIR 4720	3
FIR 4710	3	FIR 4911	3
History*	3	Elective	3
MKTG 3010	3	FIR elective	3
International Business elective	3	MGMT 4710	3

Semester Totals 15 hrs 15 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Business Finance Concentration Sequence:

Freshman Year

ENGL 1010	3	ENGL 1020	3
ECON 2010	3	History*	3
Humanities/Fine Arts*	3	ECON 2020	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3

Semester Totals 13-15 hrs 15 hrs

Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	Natural Science*	4
COMM 2381	3	History*	3
Natural Science*	4	Elective	3
SCMS 2710 or MATH 1530	3	Humanities/Fine Arts*	3

Semester Totals 16 hrs 16 hrs

Junior Year

FIR 3410	3	FIR 3710 or 4730	3
MIS 3210	3	FIR 3720	3
SCMS 3711	3	SCMS 3510	3
MGMT 3510	3	FIR elective	3
ACCT 3130	3	MGMT 3110	3

Semester Totals 15 hrs 15 hrs

Senior Year

FIR 4440	3	FIR 4610	3
FIR elective	3	FIR elective	3
FIR elective	3	Intl Business elective	3
MKTG 3010	3	MGMT 4710	3
Elective	3	Elective	3

Semester Totals 15 hrs 15 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Real Estate Concentration Sequence:

Freshman Year

ENGL 1010	3	ENGL 1020	3
History*	3	History*	3
Humanities/Fine Arts*	3	Humanities*	3
MIS 2749	3	ECON 2010	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3

Semester Totals	15 hrs		15 hrs
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Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	Elective	3
Natural Science*	4	Natural Science*	4
COMM 2381	3	ECON 2020	3
SCMS 2710, or MATH 1530	3	Elective	1-3

Semester Totals	16 hrs		14-16 hrs
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Junior Year

FIR 3410	3	FIR 3710 or 4730	3
ACCT 3130	3	FIR 3720	3
SCMS 3711	3	SCMS 3510	3
MIS 3210	3	MGMT 3510	3
MGMT 3110	3	FIR 3310	3

Semester Totals	15 hrs		15 hrs
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Senior Year

FIR 4440	3	MKTG 3010	3
FIR 4320	3	FIR 4350	3
FIR elective	3	Intl Business elective	3
FIR elective	3	MGMT 4710	3
Elective	3	Elective	3

Semester Totals	15 hrs		15 hrs
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Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Risk Management and Insurance Concentration Sequence:

Freshman Year

ENGL 1010	3	ENGL 1020	3
History*	3	History*	3
Humanities/Fine Arts*	3	ECON 2010	3

MIS 2749	3	Elective	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3

Semester Totals 15 hrs 15 hrs

Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	Elective	3
Natural Science*	4	Natural Science*	4
COMM 2381	3	ECON 2020	3
SCMS 2710 or MATH 1530	3	Elective	3

Semester Totals 16 hrs 16 hrs

Junior Year

FIR 3410	3	FIR 3710 or 4730	3
ACCT 3130	3	FIR 3720	3
SCMS 3711	3	Humanities*	3
MIS 3210	3	MGMT 3510	3
MGMT 3110	3	FIR 3810	3

Semester Totals 15 hrs 15 hrs

Senior Year

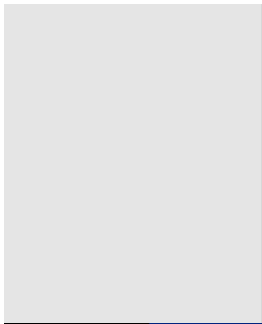
FIR 4440	3	Major elective	3
Major elective	3	FIR 4870	3
SCMS 3510	3	Intl Business elective	3
Major elective	3	MGMT 4710	3
MKTG 3010	3	Elective	1-3

Semester Totals 15 hrs 13-15 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement



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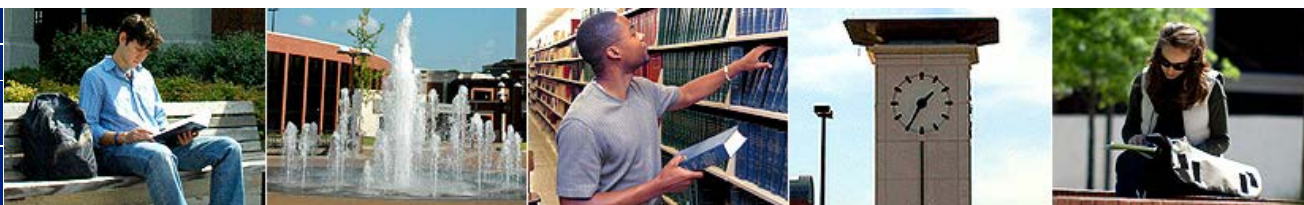
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International Business

Interdisciplinary Program

The International Business major prepares undergraduate business students for entry-level careers in international business fields through a broad, interdisciplinary curriculum that combines theoretical and practical international business study with course work in the liberal arts, including foreign language and area studies. Program objectives for the B.B.A. in International Business are found [here](#).

For further information concerning this program, contact the International Business advisor (Wang Center), or The Fogelman College of Business and Economics Advising Office.

International Business Major (B.B.A.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note that MATH 1830 or 1910 (Mathematics requirement) with a minimum grade of "C", ECON 2010 and 2020 (Social/Behavioral Sciences requirement) are specified for the B.B.A. degree.

B. College and Degree (B.B.A.) Requirements (42 hours)

Lower Division Business Core Curriculum (12 hours)

No grade below "C" and 2.25 GPA (2.5 for accounting majors) in ECON 2010, ECON 2020 and the following lower division courses

ACCT 2010 Fundamentals of Accounting I (3)

ACCT 2020 Fundamentals of Accounting II (3)

SCMS 2710 Business Statistics (3) or MATH 1530 Prob/Statistics/Non Calculus (3)

MIS 2749 Introduction to Business Microcomputer Applications (3)

Upper Division Business Core Curriculum (30 hours)

No grade below "C" and 2.25 GPA in the following courses:

ACCT 3130 Legal, Social, and Political Environment of Business (3)

FIR 3410 Business Finance (3)

MGMT 3110 Organization and Management (3)

MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors)

MKTG 3010 Principles of Marketing (3)

MGMT 3510 Business Communication (3)

SCMS 3510 Production and Operations Management (3)

SCMS 3711 Analytical Tools for Business Decisions (3)

MIS 3210 Critical Thinking in Project Management for Business (3)

Choose One:

ACCT 4625 International Accounting: IFRS vs US GAAP (3); MGMT 4810 International Management (3); MKTG 4530 International Marketing (3); ECON 4350 International Economics (3); FIR 4550 International Finance (3); MGMT 4510 International Business

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African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

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Chinese (CHIN)
Classics (CLAS)
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German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

Communication and Negotiation (3); HPRM 4400 International Hospitality (3); MIS 4310 Global Information Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course from FIR 4110-4119 (3) when the topic pertains to international business and has been approved in advance by the department chair.

Transfer students are referred to the section Transfer Credit in the College of Business and Economics description.

C. The Major (21-27 hours)

No grade below "C" and a minimum 2.25 GPA in the major.

Foreign Language: 6 semester hours in one modern foreign language at or above the 2000 level or equivalent.

A minimum of 15 semester hours from the following: BA 4911, ECON 4350, 4351; FIR 3720, 4440, 4550; HPRM 4400; MGMT 4510, 4810; MKTG 4080, 4470, 4530, SCMS 2610, 4510, 4511.

D. Electives (10-16 hours)

Lower division or upper division courses to bring the total of hours earned to 120. See International Business advisor for recommended electives in global and area studies.

International Business Minor

For students whose major is in another department in The Fogelman College of Business and Economics: 12 hours from the following courses with the approval of the International Business advisor: ECON 4350, 4351; FIR 3720, 4400, 4550; HPRM 4400; SCMS 2610, 4510, 4511; MGMT 4510, 4810; MKTG 4080, 4470, 4530.

For students whose major is in another college of the University: The student will take a minimum of 18 hours in The Fogelman College of Business and Economics, at least 9 hours of which must be chosen from the following: ECON 4350, 4351; FIR 3720, 4440, 4550; HPRM 4400; SCMS 2610, 4510, 4511; MGMT 4510, 4810; MKTG 4080, 4470, 4530; ECON 4350 (ECON 2020); ECON 4351 (ECON 2010); FIR 3720 (FIR 3410), FIR 4440 (FIR 3410), FIR 4550 (FIR 3410); SCMS 4510 (SCMS 3510), SCMS 4511 (SCMS 2610, 3510), MGMT 4510 (MGMT 3510); MGMT 4810 (MGMT 3110, 3510); MKTG 4080 (SCMS 3711, MKTG 3010), MKTG 4530 (MKTG 3010). The necessary prerequisites for the above courses are in parentheses.

Pre-Professional Business Administration Minor

The Fogelman College of Business and Economics offers a pre-professional minor (30 hours) for students whose major is in another college of the University. Requirements are as follows: ACCT 2010, 2020, 3130; ECON 2010, 2020; SCMS 2710, MIS 2749; FIR 3410; MGMT 3110; MKTG 3010. Accounting, economics, and a minimum of 45 credit hours are prerequisites for 3000 level courses.

Typical 4-Year International Business Sequence:

Freshman Year

ENGL 1010	3	ENGL 1020	3
Humanities/Fine Arts*	3	Elective*	3
Foreign Language	3	Foreign Language	3
MIS 2749	3	ECON 2010	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	15 hrs		15 hrs

Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	COMM 2381	3
Foreign Language	3	Foreign Language	3
Natural Science*	4	ECON 2020	3
SCMS 2710 or MATH 1530	3	Natural Science*	4
Semester Totals	16 hrs		16 hrs

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Junior Year

MGMT 3510	3	SCMS 3510	3
ACCT 3130	3	Elective	1-3
SCMS 3711	3	MKTG 3010	3
MIS 3210	3	Humanities/Fine Arts*	3
MGMT 3110	3	FIR 3410	3
Semester Totals		15 hrs	13-15 hrs

Senior Year

Major elective	3	Major elective	3
Major elective	3	History*	3
History*	3	Intl Business elective	3
Major elective	3	MGMT 4710	3
Elective	3	Major elective	3
Semester Totals		15 hrs	15 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

University College

Family and Consumer Science (CSED)
 Paralegal Studies (LEGL)
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Supply Chain Management

Department of Marketing and Supply Chain Management

Supply Chain Management majors study the functions that comprise supply chain management including logistics, purchasing/sourcing, operations, and transportation. Logistics procedures and strategies, warehousing, inventory management, and order processing are covered. Emphasis on analysis of the competitive environment, distribution network alternatives, and customer service aspects provide a background in each functional area to enable students to pursue their areas of interest.

Program objectives for a B.B.A. in Supply Chain Management are found [here](#).

Supply Chain Management Major (B.B.A.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note that MATH 1830 or 1910 (Mathematics requirement) with a minimum grade of "C", ECON 2010 and 2020 (Social/Behavioral Sciences requirement) are specified for the B.B.A. degree.

B. College and Degree (B.B.A.) Requirements (42 hours)

Lower Division Business Core Curriculum (12 hours)

No grade below "C" and 2.25 GPA (2.5 for accounting majors) in ECON 2010, ECON 2020 and the following lower division courses

ACCT 2010 Fundamentals of Accounting I (3)

ACCT 2020 Fundamentals of Accounting II (3)

SCMS 2710 Business Statistics (3) or MATH 1530 Prob/Statistics/Non Calculus (3)

MIS 2749 Introduction to Business Microcomputer Applications (3)

Upper Division Business Core Curriculum (30 hours)

No grade below "C" and 2.25 GPA in the following courses:

ACCT 3130 Legal, Social, and Political Environment of Business (3)

FIR 3410 Business Finance (3)

MGMT 3110 Organization and Management (3)

MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors)

MKTG 3010 Principles of Marketing (3)

MGMT 3510 Business Communication (3)

SCMS 3510 Production and Operations Management (3)

SCMS 3711 Analytical Tools for Business Decisions (3)

MIS 3210 Critical Thinking in Project Management for Business (3)

Choose One:

ACCT 4625 International Accounting: IFRS vs US GAAP (3); MGMT 4810 International Management (3); MKTG 4530 International Marketing (3); ECON 4350 International Economics (3); FIR 4550 International Finance (3); MGMT 4510 International Business Communication and Negotiation (3); HPRM 4400 International Hospitality (3); MIS 4310

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

Global Information Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course from FIR 4110-4119 (3) when the topic pertains to international business and has been approved in advance by the department chair.

Transfer students are referred to the section Transfer Credit in the College of Business and Economics description.

C. The Major (24 hours)

No grade below "C" and a minimum 2.25 GPA in the major.

A minimum of 24 upper division semester hours in marketing courses as follows: SCMS 2610, 3620, 3650, 4510, and either SCMS 4810 (3) or 4811 (3-6). The remaining six to nine semester hours chosen by the student from the following courses: MKTG 3410, 4470, SCMS 4511, 4512, 4810, ACCT 3310, MGMT 3215, 4420, 4510, MIS 3885, 4310.

D. Electives (13 hours)

Lower division or upper division courses to bring the total of hours earned to 120.

Supply Chain Management Minor

For students whose major is in another college of the University (18 hours): SCMS 2610, 2710, or equivalent, 3510, 3620, 3650, MGMT 3110.

For students whose major is Marketing Management (9 hours): Choose any three of the following courses: SCMS 3620, 3650, 4510, 4511, 4512, 4810.

For students whose major is in another department in the Fogelman College of Business and Economics (9 hours): SCMS 2610, and two of the following courses: SCMS 3620, 3650, 4510.

Typical 4-Year Supply Chain Management Sequence:

Freshman Year

ENGL 1010	3	ENGL 1020	3
History*	3	History*	3
Humanities/Fine Arts*	3	Humanities/Fine Arts*	3
MIS 2749	3	ECON 2010	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3

Semester Totals	15 hrs		15 hrs
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Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	Natural Science*	4
Natural Science*	4	SCMS 2610	3
COMM 2381	3	ECON 2020	3
SCMS 2710 or MATH 1530	3	Elective	3

Semester Totals	16 hrs		16 hrs
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Junior Year

MIS 3210	3	SCMS 3620	3
SCMS 3510	3	SCMS 3650	3
Major elective	3	MGMT 3510	3
MKTG 3010	3	MGMT 3110	3
ACCT 3130	3	Elective	3

Semester Totals	15 hrs		15 hrs
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Senior Year

Elective	1-3	FIR 3410	3
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Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

SCMS 4510	3	Major elective (if needed)	3
SCMS 3711	3	Intl Business elective	3
Major elective	3	MGMT 4710	3
SCMS 4810 or 4811	3-6	Elective	3
Semester Totals	13-18 hrs		12-15 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

University College

[Family and Consumer Science \(CSED\)](#)
[Paralegal Studies \(LEGL\)](#)
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[University Honors Program \(UNHP\)](#)
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Management

Department of Management

An effective manager must have competence in many disciplines, an understanding of a wide variety of relationships, and the ability to analyze evolving management requirements. Regardless of the functional specialty, the professional manager must also be a leader of people who knows how to organize and motivate groups of people serving the goals of the organization.

Program objectives for a B.B.A. in Management are found [here](#).

Effective adaptation of management to such emergent conditions as the continued growth of science and technology, populations, and large-scale organization demands a thorough grasp of management process theory including planning, organizing, directing, and controlling of operations.

The Management major is designed to provide students with a basic understanding of management concepts, theories and principles, which will be useful in all kinds of organizations. All management majors take courses in management principles, business communication, human resources, management, organizational behavior, international management, and strategic management. These courses and others are designed to develop knowledge of organizations and administrative processes and enhance skills in interpersonal relations, written and oral communication, and work project development and completion. The Management is intended to promote the development of general knowledge and skills that can be applied in virtually any organizational setting and which will continue to be important in the future. In addition to required core courses in management, students select among several more specialized courses to complete their majors.

Management Major (B.B.A.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note that MATH 1830 or 1910 (Mathematics requirement) with a minimum grade of "C", ECON 2010 and 2020 (Social/Behavioral Sciences requirement) are specified for the B.B.A. degree.

B. College and Degree (B.B.A.) Requirements (42 hours)

Lower Division Business Core Curriculum (12 hours)

No grade below "C" and 2.25 GPA (2.5 for accounting majors) in ECON 2010, ECON 2020 and the following lower division courses

ACCT 2010 Fundamentals of Accounting I (3)

ACCT 2020 Fundamentals of Accounting II (3)

SCMS 2710 Business Statistics (3) or MATH 1530 Prob/Statistics/Non Calculus (3)

MIS 2749 Introduction to Business Microcomputer Applications (3)

Upper Division Business Core Curriculum (30 hours)

No grade below "C" and 2.25 GPA in the following courses:

ACCT 3130 Legal, Social, and Political Environment of Business (3)

FIR 3410 Business Finance (3)

MGMT 3110 Organization and Management (3)

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors)

MKTG 3010 Principles of Marketing (3)

MGMT 3510 Business Communication (3)

SCMS 3510 Production and Operations Management (3)

SCMS 3711 Analytical Tools for Business Decisions (3)

MIS 3210 Critical Thinking in Project Management for Business (3)

Choose One:

ACCT 4625 International Accounting: IFRS vs US GAAP (3); MGMT 4810 International Management (3); MKTG 4530 International Marketing (3); ECON 4350 International Economics (3); FIR 4550 International Finance (3); MGMT 4510 International Business Communication and Negotiation (3); HPRM 4400 International Hospitality (3); MIS 4310 Global Information Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course from FIR 4110-4119 (3) when the topic pertains to international business and has been approved in advance by the department chair.

Transfer students are referred to the section Transfer Credit in the College of Business and Economics description.

C. The Major (24 hours)

No grade below "C" and a minimum 2.25 GPA in the major.

A minimum of 24 upper division semester hours including MGMT 3215, 4420, 4461, and either MGMT 4510 or MGMT 4810.

The additional 12 hours of the 24 hour minimum for the major can be selected from the following: MGMT 3810, 4240, 4251, 4260, 4481, 4510, 4810, 4820, 4910, 4110-19, 4911, a maximum of 6 hours from the following courses: HPRM 2330, 3315, 4350, MKTG 3410, 4470, PADM 4226, COMM 4342.

D. Electives (13 hours)

Lower division or upper division courses to bring the total of hours earned to 120.

Management Minor

For students whose major is in another department in The Fogelman College of Business and Economics (12 hours): MGMT 3215, 4420, and 6 upper division semester hours in management.

For students whose major is within another college of the University (18 hours): MGMT 3110, 3215, 3510, 4420; and 6 upper division semester hours in management.

Typical 4-Year Management Sequence:

Freshman Year

ENGL 1010	3	ENGL 1020	3
History*	3	Econ 2010	3
Humanities/Fine Arts*	3	Humanities/Fine Arts*	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	13-15 hrs		15 hrs

Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	Natural Science*	4
COMM 2381	3	History*	3
Natural Science*	4	ECON 2020	3
SCMS 2710 or MATH 1530	3	Elective	3
Semester Totals	16 hrs		16 hrs

Finance (FIR)

Hospitality and Resort Management (HPRM)

Management Information Systems (MIS)

Management (MGMT)

Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)

Art (ART)

Art History (ARTH)

Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)

Music

Applied Music (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and

Appreciation (MUHL)

Music Industry (MUID)

Music Theory and Composition (MUTC)

Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services

(COUN)

Educational Psychology and Research

(EDPR)

Health and Sport Sciences

Dietetics (NUTR)

Health and Human Performance (EXSS)

Health and Sport Sciences (HMSE)

Health Promotion (HPRO)

Physical Education Activities (PHED)

Physical Education Teacher Education (PETE)

Sport and Leisure Commerce (SLC)

Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)

Educational Services (EDSV)

Elementary Education (ELED)

Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)

Civil Engineering (CIVL)

Electrical and Computer Engineering (EECE)

Engineering (ENGR)

Mechanical Engineering (MECH)

Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Junior Year

MGMT 3510	3	MGMT 4420	3
MGMT 3110	3	MGMT elective	3
SCMS 3711	3	FIR 3410	3
MGMT 3215	3	ACCT 3130	3
MIS 3210	3	MKTG 3010	3

Semester Totals 15 hrs 15 hrs

Senior Year

MGMT 4510 or 4810	3	MGMT elective	3
MGMT elective	3	MGMT elective	3
MGMT 4461	3	Intl Business elective	3
SCMS 3510	3	MGMT 4710	3
Elective	3	Elective	3

Semester Totals 15 hrs 15 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

University College

[Family and Consumer Science \(CSED\)](#)
[Paralegal Studies \(LEGL\)](#)
[University College \(UNIV\)](#)

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[University Honors Program \(UNHP\)](#)
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Management Information Systems

Department of Management Information Systems

Managers and non-managers alike depend upon information for decision making. To be useful that information must be understandable, timely, thorough, focused on the decision at hand, and in the hands of the appropriate individual. Accomplishing all this is the challenge of Management Information Systems. It requires a knowledge of individual and/or group behavior, the process of perception (how people select and interpret information), the decision tools they need, computers and communication technology, systems design, managing data, and the impact individual decisions have on the organization.

Program objectives for a B.B.A. in Management Information Systems are found [here](#).

Management Information Systems includes several specialized areas including Expert Systems, Telecommunications, Information Systems, Management and Planning, Statistics, System Development, Data Base Management, and general applications of computers to business.

Many Management Information Systems courses require substantial hands-on experience in computer labs. Therefore, the department does not allow credit by examination for upper division courses.

Management Information Systems Major (B.B.A.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note that MATH 1830 or 1910 (Mathematics requirement) with a minimum grade of "C", ECON 2010 and 2020 (Social/Behavioral Sciences requirement) are specified for the B.B.A. degree.

B. College and Degree (B.A.) Requirements (42 hours)

Lower Division Business Core Curriculum (12 hours)

No grade below "C" and 2.25 GPA (2.5 for accounting majors) in ECON 2010, ECON 2020 and the following lower division courses

ACCT 2010 Fundamentals of Accounting I (3)

ACCT 2020 Fundamentals of Accounting II (3)

SCMS 2710 Business Statistics (3) or MATH 1530 Prob/Statistics/Non Calculus (3)

MIS 2749 Introduction to Business Microcomputer Applications (3)

Upper Division Business Core Curriculum (30 hours)

No grade below "C" and 2.25 GPA in the following courses:

ACCT 3130 Legal, Social, and Political Environment of Business (3)

FIR 3410 Business Finance (3)

MGMT 3110 Organization and Management (3)

MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors)

MKTG 3010 Principles of Marketing (3)

MGMT 3510 Business Communication (3)

SCMS 3510 Production and Operations Management (3)

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

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[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
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Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

SCMS 3711 Analytical Tools for Business Decisions (3)

MIS 3210 Critical Thinking in Project Management for Business (3)

Choose One:

ACCT 4625 International Accounting: IFRS vs US GAAP (3); MGMT 4810 International Management (3); MKTG 4530 International Marketing (3); ECON 4350 International Economics (3); FIR 4550 International Finance (3); MGMT 4510 International Business Communication and Negotiation (3); HPRM 4400 International Hospitality (3); MIS 4310 Global Information Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course from FIR 4110-4119 (3) when the topic pertains to international business and has been approved in advance by the department chair.

Transfer students are referred to the section Transfer Credit in the College of Business and Economics description.

C. The Major (27 hours)

No grade below "C" and a minimum 2.25 GPA in the major.

Completion of MIS 2770 and a minimum of 24 hours, including MIS 2845, 3770, 3775, 3790, 3885 and 4800. The additional six hours will be satisfied by two of the following: MIS 3820, 3821, 3845, 3886, 4310, 4760, 4845, 4911, or COMP 4262.

MIS 2770 must be completed prior to taking any upper division courses in the major.

D. Electives (10 hours)

Lower division or upper division courses to bring the total of hours earned to 120.

Management Information Systems Minor

For students whose major is in another department in the Fogelman College of Business and Economics (15 hours): MIS 2770, 3770, 3775, 3790, 4800.

For students whose major is within another college of the University (21 hours): MIS 2749, 2770, 3210, 3770, 3775, 3790 and 4800.

Project Management Minor

For students whose major is in another department in the Fogelman College of Business and Economics (12 hours): MIS 3885, 3886, and 2 courses chosen by the student from MIS 3770, 3755, 3780, 4310, 4760, MGMT 4420, 4481, MKTG 4080, SCMS 3650, 4511.

For students whose major is Management Information Systems (12 hours): MIS 3886, and 3 courses chosen by the student from MIS 3755, 3780, 4310, 4760, MGMT 4420, 4481, MKTG 4080, SCMS 3650, 4511.

For students whose major is within another college of the University (18 hours): MIS 2749, 3210, 3770, 3775, 3885, 3886.

Systems Testing Minor

For students whose major is in another department in the Fogelman College of Business and Economics (12 hours): MIS 2845, 3770, 3820, 3821.

For students whose major is within another college of the University (18 hours): MIS 2749, 2845, 3210, 3770, 3820, 3821.

Typical 4-Year Management Information Systems Sequence:

Freshman Year

ENGL 1010	3	ENGL 1020	3
ECON 2010	3	History*	3
Humanities/Fine Arts*	3	Humanities/Fine Arts*	3
MIS 2749	3	ECON 2020	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	15 hrs		15 hrs

Sophomore Year

ACCT 2010	3	ACCT 2020	3
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Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

ENGL 2201 or 2202*	3	MIS 2845	3
COMM 2381	3	History*	3
Natural Science*	4	Natural Science*	4
MIS 2770	3	SCMS 2710 or MATH 1530	3
Semester Totals	16 hrs		16 hrs

Junior Year

MIS 3210	3	Elective	1-3
MIS 3885	3	MIS 3790	3
SCMS 3711	3	FIR 3410	3
MKTG 3010	3	ACCT 3130	3
MGMT 3110	3	MIS 3770	3
Semester Totals	15 hrs		13-15 hrs

Senior Year

MIS major elective	3	MIS major elective	3
Elective	3	MIS 4800	3
MIS 3775	3	Intl Business elective	3
MGMT 3510	3	MGMT 4710	3
Elective	3	SCMS 3510	3
Semester Totals	15 hrs		15 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

University College

Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
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Independent Programs

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Marketing Management

Department of Marketing and Supply Chain Management

The objective of the Marketing and Supply Chain Management Department is to provide a broad view of the marketing process and to develop an understanding of all the factors involved in the marketing of goods and services.

Marketing Management majors study the practical application of marketing concepts, including procedures for developing promotion, pricing, distribution, and sales management strategies. Additionally, instruction is provided in market research, buyer behavior issues, and a variety of market programming topics.

Program objectives for a B.B.A. in Marketing Management are found [here](#).

Marketing Management Major (B.B.A.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note that MATH 1830 or 1910 (Mathematics requirement) with a minimum grade of "C", ECON 2010 and 2020 (Social/Behavioral Sciences requirement) are specified for the B.B.A. degree.

B. College and Degree (B.B.A.) Requirements (42 hours)

Lower Division Business Core Curriculum (12 hours)

No grade below "C" and 2.25 GPA (2.5 for accounting majors) in ECON 2010, ECON 2020 and the following lower division courses

ACCT 2010 Fundamentals of Accounting I (3)

ACCT 2020 Fundamentals of Accounting II (3)

SCMS 2710 Business Statistics (3) or MATH 1530 Prob/Statistics/Non Calculus (3)

MIS 2749 Introduction to Business Microcomputer Applications (3)

Upper Division Business Core Curriculum (30 hours)

No grade below "C" and 2.25 GPA in the following courses:

ACCT 3130 Legal, Social, and Political Environment of Business (3)

FIR 3410 Business Finance (3)

MGMT 3110 Organization and Management (3)

MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors)

MKTG 3010 Principles of Marketing (3)

MGMT 3510 Business Communication (3)

SCMS 3510 Production and Operations Management (3)

SCMS 3711 Analytical Tools for Business Decisions (3)

MIS 3210 Critical Thinking in Project Management for Business (3)

Choose One:

ACCT 4625 International Accounting: IFRS vs US GAAP (3); MGMT 4810 International Management (3); MKTG 4530 International Marketing (3); ECON 4350 International Economics (3); FIR 4550 International Finance (3); MGMT 4510 International Business

Course Descriptions

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[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

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[Chinese \(CHIN\)](#)
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[Languages and Literature \(LALI\)](#)
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Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

Communication and Negotiation (3); HPRM 4400 International Hospitality (3); MIS 4310 Global Information Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course from FIR 4110-4119 (3) when the topic pertains to international business and has been approved in advance by the department chair.

Transfer students are referred to the section Transfer Credit in the College of Business and Economics description.

C. The Major (24 hours)

No grade below "C" and a minimum 2.25 GPA in the major.

A minimum of 24 upper division semester hours in marketing courses as follows: SCMS 2610, MKTG 3012, 3140, 4080, 4901, and either MKTG 3410 or 4470, and six semester hours chosen by the student from the following: MKTG 3320, 3410, 4230, 4470, 4530, 4911, 4920-29, SCMS 3620, 3650.

D. Electives (13 hours)

Lower division or upper division courses to bring the total of hours earned to 120.

Marketing Management Minor

For students whose major is in another college of the University: (18 hours) MKTG 3010, 3012, 3140, SCMS 2610 and six semester hours chosen by the student from the following: MKTG 3320, 3410, 4230, 4470, 4530, 4920-29, SCMS 3620, 3650.

For students whose major is in another department in The Fogelman College of Business and Economics (12 hours): MKTG 3012, 3140, SCMS 2610, and three semester hours chosen by the student from the following: MKTG 3320, 3410, 4230, 4470, 4530, 4920-29, SCMS 3620, 3650.

Social Commerce Minor

For students whose major is in another college of the University: (18 hours) MKTG 3010, MKTG/HPRM 3340, MKTG/HPRM 4630, MKTG 4611; and either COMM 4811 or JOUR 4801; plus any one of the following: MKTG 3012, 3140, 4470, MGMT 3510, MIS 4760.

For students whose major is in another department in The Fogelman College of Business and Economics (12 hours): MKTG/HPRM 3340, MKTG/HPRM 4630, MKTG 4611; and either COMM 4811 or JOUR 4801.

Typical 4-Year Marketing Management Sequence:

Freshman Year

ENGL 1010	3	ENGL 1020	3
Humanities/Fine Arts*	3	Elective	3
MIS 2749	3	Humanities/Fine Arts*	3
Elective	1-3	ECON 2020	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	13-15 hrs		15 hrs

Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202	3	History*	3
COMM 2381	3	SCMS 2610	3
Natural Science*	4	ECON 2010	3
SCMS 2710 or MATH 1530	3	Natural Science*	4
Semester Totals	16 hrs		16 hrs

Junior Year

MGMT 3510	3	MKTG 3012	3
ACCT 3130	3	MKTG 3140	3
SCMS 3711	3	MKTG major elective	3

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Management Information Systems (MIS)
Management (MGMT)
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College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
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Theatre (THEA)

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Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

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Educational Psychology and Research (EDPR)

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Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
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Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
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Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

MIS 3210	3	FIR 3410	3
Marketing 3010	3	MGMT 3110	3

Semester Totals 15 hrs 15 hrs

Senior Year

History*	3	MKTG major elective	3
MKTG 4080	3	MKTG 4901	3
MKTG 3410 or 4470	3	Intl Business elective	3
SCMS 3510	3	MGMT 4710	3
Elective	3	Elective	3

Semester Totals 15 hrs 15 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

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College of Communication and Fine Arts

RICHARD R. RANTA, Ph.D., Dean
Room 232, Communication Fine Arts Building
(901) 678-2350
<http://ccfa.memphis.edu/>

The College of Communication and Fine Arts has four primary functions. First, it offers courses of study aimed at preparing its students to work toward careers in the fine or applied arts, communications, or the performing arts, whether as practitioners, teachers, artists, or consultants. Second, the college affords broad exposure and instruction in fine arts and communication to students of other colleges in the university whose degree programs may be enhanced by such exposure. Third, with a view toward individual professional growth as well as general cultural enhancement, the college vigorously promotes both scholarly research and artistic production on the part of its faculty. Finally, the college seeks to enrich the cultural atmosphere of both the university and the community at large through a continuing variety of public programs, to include art exhibitions, media presentations, dramatic productions, concerts, recitals, lectures, seminars, debates, workshops, festivals, and the like.

Through the diversity of these constituent elements, the college reflects the unity and challenge facing the communicative artist and scholar. Ultimately it is our goal to foster a more intense and profound awareness of the broad range of human experience from which the college derives its pertinence and vitality.

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Architecture

Department of Architecture

Architecture (B.F.A.)

The Department of Architecture consists of the Architecture Program and the Interior Design Program. The mission of the Department of Architecture is to prepare graduates to enter the professional practice of architecture and interior design and to serve the Memphis and Mid-South region through research, engaged scholarship, interdisciplinary collaboration, and creative expression that contributes to sustainable, stable communities and enhances the quality of life for all citizens.

The goals and objectives of the Department are as follows: to provide the highest quality professional education through a well-rounded discovery-based curriculum in both the art and science of design with emphasis on processes, professional standards, and the practical application of design and technology; to provide research opportunities for faculty and students with emphasis on "hands on" multi-disciplinary projects through which students gain valuable professional experience while providing services to the citizens of the region; and to expand opportunities for Architecture and Interior Design students by bringing them together with faculty and students in the City Planning, Real Estate Development, and other programs to address public issues, support stable and sustainable neighborhoods, and develop community visions throughout the region.

The Bachelor of Fine Arts with a major in Architecture is a pre-professional degree. At the University of Memphis, the professional degree in Architecture is the Master of Architecture degree. See the Graduate Catalog for details.

NOTE: Before enrolling in any Architecture course, all applicants seeking admission to the B.F.A. with a major in Architecture must complete and submit to the Department of Architecture an application form, a writing assignment, and a portfolio of five representative works. These three components comprise the Incoming Evaluation for Architecture and will be reviewed by a faculty committee. Applicants are accepted on the basis of potential in the field of architecture. After review, the department notifies the student of one of the following: (1) acceptance, (2) one semester acceptance on a probationary basis, (3) recommendation to correct the deficiencies and reapply, or (4) denial of admission. Permission to enroll in any Architecture courses for which a permit is required beyond first semester, first year is based upon this review. Contact the Department of Architecture for details and deadline.

Students transferring from another major or another institution who intend to pursue a B.F.A. degree with a major in Architecture must complete the Department of Architecture Incoming Evaluation prior to enrolling in Architecture courses. Transfer students seeking advanced standing in the Architecture major should submit a portfolio of work representing previously completed Architecture studio work. The review committee will determine if the portfolio work is equivalent to comparable courses at the University of Memphis. Placement in the major is dependent upon the review. Even if admitted to advanced standing, the student may be required to remedy previous course deficiencies.

A. University General Education Program (41 hours). See [Graduation from the University](#) for the University General Education Program requirements. Note the following are specified by the department for this program: Mathematics: MATH 1830; Social/Behavioral Sciences: ANTH 1200 and SOCI 1010; Natural Science: PHYS 2010/2011 and ESCI 1020; Humanities: ARTH 2010 and 2020; History: HIST 1110 and 1120.

B. The Major (87 hours)

1. Major Foundation Core (32 hours)

ARCH 1111, 1112, 1113, 1120, 1211, 1212, 1411, 2412, 2611, 2711.

2. The Major

Course Descriptions

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Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

Entrance - Completion of Major Core (32 hours)

Candidacy Review and Portfolio Requirements - A Candidacy Review is required of all students intending to major in Architecture. Admission to the University of Memphis and completion of the major core do not guarantee placement in the program. Admission is selective and is based on a portfolio evaluation reflecting professional standards and expectations of the major. A portfolio that includes but is not limited to works from the major core courses is required as part of the application. Guidelines and application forms for admission to the Architecture major are available in the department office and from faculty advisors. Consultation with a faculty advisor is recommended before or during portfolio preparation. Students may submit portfolios for review no earlier than the semester that Candidacy requirements are being completed.

Transfer students must meet entrance requirements of the major. After review, the department notifies the student of one of the following: (1) acceptance, (2) one semester acceptance on a probationary basis, (3) recommendation to correct the deficiencies and reapply, or (4) denial of admission. Permission to enroll in any 3000-4000 level Architecture course is based upon this review.

3. Completion of Major (49 hours) - ARCH 2311, 2612, 2712, 3312, 3313, 3421, 3431, 3713, 3714, 4231, 4441, 4715, 4716.

C. Electives (3 hours)

Architecture, Interior Design, or open electives complete the 87 semester hours of course work. See advisor for details.

D. Architecture Honors

The Department of Architecture Honors Program provides an opportunity for selected Architecture and Interior Design students to enrich their learning experience through honors courses, independent study, a senior thesis, and extracurricular learning experiences. The Honors Program requires a minimum of 15 semester hours of honors work in courses within the Department of Architecture. Students who complete the appropriate degree program with a 3.25 cumulative grade point average will earn a degree that includes the distinction "Honors in Architecture." Moreover, the diploma and record at the University of Memphis will reflect this accomplishment. Please contact the Department of Architecture honors coordinator for more detailed information.

Typical 4-Year Architecture Sequence**Freshman Year**

ARCH 1120	3	ARCH 1112	3
ARCH 1211	3	ARCH 1212	3
ARCH 1111	3	ARCH 1411	3
ANTH 1200	3	ARCH 1113	3
ENGL 1010	3	ENGL 1020	3
		MATH 1830	3
Semester Totals	15 hrs		18 hrs

Sophomore Year

ARCH 2412	3	ARCH 2311	3
ARCH 2611	3	ARCH 2612	3
ARCH 2711	5	ARCH 2712	5
PHYS 2010/2011	4	ESCI 1020	4
ARTH 2010	3	ARTH 2020	3
Semester Totals	18 hrs		18 hrs

Junior Year

ARCH 3312	3	ARCH 3313	3
ARCH 3421	3	ARCH 3431	3

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences**Counseling, Educational Psychology and Research**

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

ARCH 3713	5	ARCH 3714	5
ARCH 4221	3	HIST 1120	3
HIST 1110	3		

Semester Totals 17 hrs 14 hrs

Senior Year

SOCI 1010	3	ARCH/IDES elective	3
ARCH 4715	5	ARCH 4716	5
ARCH 4441	3	ARCH 4931	3
COMM 2381	3	ENGL 2201 or 2202	3

Semester Totals 14 hrs 14 hrs

Total Hours: 128

Total Hours Required for Graduation: 128

*Must satisfy University General Education Program Requirement

University College

[Family and Consumer Science \(CSED\)](#)
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Art

Department of Art

The Bachelor of Fine Arts with a major in Art is a professional degree offering students the specialized training available in art schools, combined with the benefits of a broad liberal arts education.

Program objectives for the B.F.A. in Art are: (a) to develop a B.F.A. student who is capable of critical and analytical reasoning as a practicing art professional; (b) to provide students with a foundation for graduate or professional education; (c) to prepare students to join the community of artists at the local, national and international levels; (d) to acquire the knowledge to work comprehensively in the discipline or related discipline. The Department of Art welcomes qualified individuals who aspire to become practicing artists and designers. Professional art and design education is available in four concentration options: (1) Art Education; (2) Studio Arts; (3) Graphic Design; (4) Photography.

The Department also welcomes students considering a minor in Art or in Photography. Please see the Minors section following the listing of concentration requirements for the B.F.A. in Art.

Special requirements for the Art major are divided into five groups:

general education

foundation in art

art history

concentration area

electives to bring the total credit hours to 120 hours.

Advanced Placement Credit: Prior to registration, Advanced Placement portfolios should be reviewed in the Department of Art for consistency with the performance standards required of enrolled students. An A.P. portfolio with a score of three (3), four (4), or five (5) points on the General Portfolio or on the Drawing Portfolio will be reviewed for the possible award of three credit hours. If a student submits separate portfolios from the junior and senior years, a maximum of six credit hours may be awarded. For a grade of three (3) points on the Drawing Portfolio or three (3), four (4), or five (5) points on the General Portfolio, three hours of unassigned studio elective credit may be awarded. For a grade of four (4) or five (5) points in the Drawing Portfolio, three hours of credit in Art 1311 (Beginning Drawing) will be considered. Unassigned A.P. credit may be used to satisfy a University credit.

Advising: Student advising in the Department of Art is an essential support service that aids students in clarifying academic goals consistent with their interests, abilities, and resources. Academic advisors assist Art majors in the selection of appropriate courses and provide meaningful discussion regarding career goals, past academic experience, and future academic progress. Freshmen, transfer and returning students are encouraged to contact the Art Office (room 201, Jones Hall) to request an academic advisor. Assistance from an advisor does not relieve a student of the responsibility of studying the appropriate catalog (Catalog) and fulfilling all degree requirements.

Transfer students with more than 40 semester hours should see the CCFA Graduation Analyst (room 232, CFA Building) before seeing an Art advisor.

Before taking courses from another institution intended to apply towards the University of Memphis graduation, the student must obtain permission from the CCFA Dean.

NOTES for Graphic Design Students: Before enrolling in any Graphic Design course, all applicants seeking admission to the B.F.A. with a concentration in Graphic Design must

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management (EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

complete and submit to the Department of Art an application form, a writing assignment, and a portfolio of five representative works. These three components comprise the Incoming Evaluation for Graphic Design and will be reviewed by a faculty committee. Applicants are accepted on the basis of potential in the field of graphic design. Contact the Department of Art for details and deadline.

Students transferring from another concentration or another institution who intend to pursue a B.F.A. degree with a concentration in Graphic Design must complete the area's Incoming Evaluation prior to enrolling in Graphic Design courses. Transfer students seeking advanced standing in the Graphic Design concentration should submit a portfolio of work representing previously completed Graphic Design studio work. The review committee will determine if the portfolio work is equivalent to comparable courses at the University of Memphis. Placement in the concentration is dependent upon the review. Even if admitted to advanced standing, the student may be required to remedy previous course deficiencies.

Art (B.F.A.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note that the Humanities category is satisfied for art students who meet all B.F.A. in Art requirements by taking two of the following three courses: ARTH 2010, 2020, or 2030, and an approved literature course.

B. The Major (79 hours)

1. Major Core (Foundation in Art) (12 hours)

ART 1210, 1215, 1311, 1314.

2. Concentrations

[Art majors must be formally accepted into a concentration. Admission to the University and completion of foundation art courses do not guarantee placement in a concentration. Admission is selective and is based on a portfolio evaluation that reflects professional standards and meets concentration expectations. Space availability may also affect admission decisions. A concentration entrance application and a portfolio should be submitted upon completion of foundation courses (ART 1210, 1215, 1311, 1314) plus additional concentration-specific courses (see concentration areas for these courses). The portfolio includes, but is not limited to, artwork from these courses. Guidelines and application forms for concentration admission are available in the department office and from faculty advisors. Consultation with a faculty adviser is recommended before or during portfolio preparation. Transfer students must meet concentration entrance requirements. After review, the department notifies the student of one of the following: (1) acceptance, (2) one semester acceptance on a probationary basis, (3) recommendation to correct deficiencies and reapply, (4) recommendation to pursue studies in another area of art, or (5) denial of admission.]

a. Art Education (72 hours):

(1) Entrance (15 hours) - ART 3313, 3411, 2351, 2511, and 2523. Students may submit portfolios for review no earlier than the semester that the entrance requirements are being completed.

(2) Art History (6 hours) - 2 upper division art history courses.

(3) Completion of Concentration (39 hours) - ART 2331, 3313, 3423, 4321, 4427, 4441; EDP 2111; ICL 3333; SPED 2000; ART 4912 (9), ART 4430, 4440, 4441, 4914.

(4) Art Electives (7-10 hours) - A studio specialty of three or four courses in the same field is also required; see adviser for details. All required 2000 level art courses must be completed before enrollment in 4000 level studio classes. Art electives complete the 79 semester hours of professional course work.

Note: See the introduction to the College of Communication and Fine Arts requirements at the Teacher Preparation section.

b. Studio Arts (72 hours):

The four fields are interdependent and share the following requirements:

(1) Entrance (9 hours) - Three courses selected from ART 2301, 2331, 2351, 2511, 2523, 2701. Students may submit portfolios for review no earlier than the semester that the entrance requirements are being completed.

(2) Art History (6 hours) - ARTH 4155 or 4157 plus 3 hours in upper division art history courses.

(3) Completion of Concentration (46 hours) - Remaining lower division courses (see

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Entrance), plus upper division studio courses: ART 3313, 3314, 4650, 4990, 4995, 4622, (1), and 8 other courses from:

Ceramics: ART 3522, 3524, 4521, 4522.

Painting: ART 3332, 4321, 4322, 4331, 4332.

Printmaking: ART 2352, 3351, 3352, 4351, 4352, 4353, 4354.

Sculpture: ART 3511, 3512, 4511, 4512.

Independent Studies: ART 4621.

All 2000 level art courses must be completed before enrollment in 4000 level studio courses.

(4) Art Electives (3 hours) - Art electives complete the 79 semester hours of professional course work.

c. Graphic Design (67 hours):

(1) Entrance (12 hours) - ART 2213, 2219, 2223, 3313. Students may submit portfolios for review no earlier than the semester that the entrance requirements are being completed. Enrollment in 3000 or 4000 level graphic design courses is based upon this review.

(2) Art History (9 hours) - ART 4224 plus 2 upper division art history courses. COMM 4850 may be substituted for one art history course.

(3) Completion of Concentration (37 hours) - ART 2701, 3213, 3219, 3222, 3227, 4211, 4221, 4222, 4223, 4232 or 4233, 4235, 4622 (1), and one of the following: ART 4223, 4230, 4232, 4233.

(4) Art Electives (9 hours) - Art electives complete the 79 hours of professional course work.

e. Photography (67 hours):

(1) Entrance (18 hours) - ART 2301, 2331 or 2351, 2511 or 2523, 2701, 2702, and 3701. Students may submit portfolios for review no earlier than the semester that the entrance requirements are being completed. Enrollment in 3000 or 4000 level studio courses is based upon this review.

(2) Art History (9 hours) - ARTH 4155 or 4157, plus 4721 and 4722.

(3) Completion of Concentration (30 hours) - ART 4353, 4650, 4701, 4702, 4703, 4704, 4711, (6), and 4712 (6), 4990, 4995.

(4) Art Electives (10 hours) - Art electives complete the 79 semester hours of course work.

3. Graduation

For the B.F.A. in Art, a total of 120 semester hours is required, 85 of which must be in professional course work that includes ARTH 2101 and 2102. A minimum of 42 upper division semester hours is required for the degree and a minimum grade of "C" is required for all courses in the Art major.

Art Minor

Completion of 24 semester hours in art courses, 9 of which must be from the upper division. Courses selected for the minor are to be approved by the advisor who will be assigned by the department chair.

Photography Minor

Completion of 18 semester hours as follows: ART 2701, 2702, 3701, 4701, 4702, and ARTH 4721.

Typical 4-Year Art Education Concentration Sequence

Freshman Year

ART 1210	3	ART 1215	3
ART 1311	3	ART 1314	3
ENGL 1010	3	ENGL 1020	3
Math*	3	Social/Behavioral Sciences*	3
Natural Science*	4	Natural Science*	4

University College

Family and Consumer Science (CSED)
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University College (UNIV)

Independent Programs

Orientation Program (ACAD)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)
Interdisciplinary Studies (INTD)

Semester Totals	16 hrs		16 hrs
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Sophomore Year

ART 2511	3	ART 2523	3
COMM 2381	3	ART 2351	3
ART 2511	3	ARTH 2020	3
SPED 2000	3	ENGL 2201 or 2202	3
EDPR 2111	3	ART 2331	3

Semester Totals	15 hrs		15 hrs
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Junior Year

ARTH elective	3	ART 3411	3
History*	3	ARTH elective	3
ART 3423	3	ART elective	3
Social/Behavioral Science*	3	ART 4321	3
ICL 3333	3	ART 4430	1
		History*	3

Semester Totals	15 hrs		16 hrs
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Senior Year

ART elective	3	ART 4441	3
ART 4914	5	ICL 4912	9
ART 4427	3		
ART 4440	4		

Semester Totals	15 hrs		12 hrs
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Total Hours: 120

Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Graphic Design Concentration Sequence

Freshman Year

ART 1210	3	ART 1215	3
ART 1311	3	ART 1314	3
ARTH 2010	3	ENGL 1020	3
ENGL 1010	3	ART 2701	3
MATH*	3	ARTH 2020	3

Semester Totals	15 hrs		15 hrs
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Sophomore Year

ART 2331	3	ART 3213	3
ART 2223	3	ART 3222	3
ART 2219	3	ART elective	3
ARTH elective	3	COMM 2381	3
Natural Sciences*	4	ENGL 2201 or 2202	3

Semester Totals	16 hrs		15 hrs
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Junior Year

ART elective	3	ART 3219	3
ART 3313	3	ART 4221	3
ART 3227	3	ART 4224	3
ARTH elective	3	Social/Behavioral Sciences*	3
Natural Science*	4	History	3

Semester Totals	16 hrs		15 hrs
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Senior Year

ART 4233	3	ART 4232 or 4233	3
ART 4222	3	ART 4235	3
ART 4211	3	ART 4621	1
ART 4622	3	Social/Behavioral Sciences *	3
History*	3	ART elective	3

Semester Totals	15 hrs		13 hrs
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Total Hours: 120

Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Studio Arts Concentration Sequence

Freshman Year

ART 1210	3	ART 1215	3
ART 1311	3	ART 1314	3
ARTH 2010	3	ENGL 1020	3
ENGL 1010	3	ART 2701	3
MATH*	3	ARTH 2020	3

Semester Totals	15 hrs		15 hrs
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Sophomore Year

ART 2331	3	ART 3313	3
ART 2301	3	ART 2351	3
ART 2511	3	ART 2523	3
ARTH 4155 or 4157	3	ARTH elective	3
ENGL 2201 or 2202	3	Natural Science*	4
COMM 2381	3		

Semester Totals	18 hrs		16 hrs
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Submit portfolio for Concentration Entrance

Junior Year

ART 3314	3	ART (course-4)	3
ART (course-1)	3	ART (course-5)	3
ART (course-2)	3	ART (course-6)	3
ART (course-3)	3	Social/Behavioral Sciences*	3

Natural Science*	4	History*	3
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Semester Totals	16 hrs		15 hrs
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Senior Year

ART (course-7)	3	ART 4995	3
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ART 4650	3	ART (studio E1)	3
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ART 4990	3	ART (studio E2)	3
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ART 4622	1	Social/Behavioral Sciences *	3
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History*	3		
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Semester Totals	13 hrs		12 hrs
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Total Hours: 120

Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

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Art History

Department of Art

Art History Major (B.A.)

Program objectives for a B.A. in Art History are: (a) to understand the scope of art in human culture; (b) to acquire the ability to write about art clearly and meaningfully; (c) to acquire knowledge of diverse visual cultures; (d) to acquire the ability to read, write and understand the major terms and concepts of art history; (e) to conduct original research in the discipline.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. Bachelor of Arts (B.A.) (12-16 hours)

The [Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements.

C. The Major (42 hours)

Completion of 36 semester hours in art history courses, including two courses selected from: ARTH 2010, 2020, 2030, and 4195, and one upper division course each from five of the following art history categories: Ancient, Medieval, Renaissance, Baroque, Modern European, American, and non-European art, plus 12 hours upper division ARTH electives. A minimum of 6 hours in studio art is also required.

D. Electives (18-19 hours)

Completion of courses to bring the total number of hours to 120 semester hours.

Art History Minor

Completion of 18 semester hours in Art History, including two courses selected from: ARTH 2010, 2020, 2030, and 12 semester hours from the ARTH 4000-level courses.

Typical 4-Year Art History Sequence

Freshman Year

ARTH 2010 or 2030***	3	ARTH 2020 or 2030***	3
ENGL 1010	3	ENGL 1020	3
Social/Behavioral Sciences*	3	Social/Behavioral Sciences*	3
Foreign Language/B.A. (or elective)**	3	Foreign Language/ B.A. (or elective)**	3
Elective	3	Studio elective	3
Semester Totals	15 hrs		15 hrs

Sophomore Year

ARTH elective	3	ARTH elective	3
ARTH elective	3	ARTH elective	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
MATH*	3	Elective	3

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
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Public and Nonprofit Administration (PADM)
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Social Work (SWRK)
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Italian (ITAL)
Japanese (JAPN)
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Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

ENGL 2201 or 2202	3	History*	3
COMM 2381	3		
Semester Totals	18 hrs		15 hrs

Junior Year

ARTH elective	3	ARTH elective	3
Elective	3	ARTH elective	3
Elective	3	Elective	3
Natural Science*	4	Natural Science*	4
Semester Totals	13 hrs		13 hrs

Senior Year

ARTH elective	3	ARTH 4195	3
ARTH elective	3	Social Science/B.A.	3
Nat. Sci./Math/B.A.	3-4	UD elective	3
UD elective	3	UD elective	3
Studio elective	3	Elective	3
History*	3	Elective (if needed)	1
Semester Totals	15-16 hrs		16 hrs

Total Hours: 120-121

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**Students presenting a language to meet University admission requirements cannot receive credit for 1010 in that language.

***If student chooses ARTH 2030, then must also take an additional General Education Humanities/Fine Arts course instead of an elective.

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 Management (MGMT)
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Architecture (ARCH)
 Art (ART)
 Art History (ARTH)
 Communication (COMM)
 Communication/Fine Arts (CCFA)
 Dance (DANC)
 Interior Design (IDES)
 Journalism (JOUR)
 Theatre (THEA)

Music

Applied Music (MUAP)
 Music Appreciation (MUS)
 Music Education (MUSE)
 Music History, Literature, and Appreciation (MUHL)
 Music Industry (MUID)
 Music Theory and Composition (MUTC)
 Sacred Music (MUSA)

College of Education, Health and Human Sciences**Counseling, Educational Psychology and Research**

Counseling and Personnel Services (COUN)
 Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
 Health and Human Performance (EXSS)
 Health and Sport Sciences (HMSE)
 Health Promotion (HPRO)
 Physical Education Activities (PHED)
 Physical Education Teacher Education (PETE)
 Sport and Leisure Commerce (SLC)
 Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

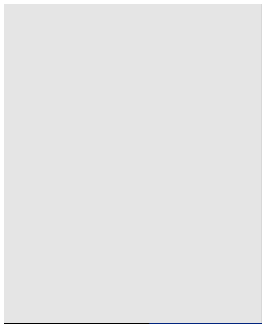
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 Educational Services (EDSV)
 Elementary Education (ELED)
 Instruction and Curriculum Leadership (ICL)
 Instructional Design and Technology (IDT)
 Leadership (LEAD)
 Reading (RDNG)
 Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
 Civil Engineering (CIVL)
 Electrical and Computer Engineering (EECE)
 Engineering (ENGR)
 Mechanical Engineering (MECH)
 Technology (TECH)

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Nursing (NURS)



University College

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Communication

The Department of Communication

Communication Major (B.A.)

The program objectives for a B.A. in Communication are linked to five key areas: 1. Performance: Students will demonstrate competence in producing messages for different purposes, audiences, and contexts. 2. Analysis and Critical Thinking: Students will analyze, interpret and evaluate messages across various forms and contexts. 3. Knowledge: Students will know the development of communication studies from its rhetorical roots through social scientific perspectives to contemporary critical approaches. 4. Ethics: Students will articulate ethical principles and apply them in diverse communication contexts. 5. Mediated Communication: Students will understand the impact of media forms on communication processes.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

B. Bachelor of Arts (B.A.) (12-16 hours)

The [Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements.

C. The Major (33-37 hours)

1. Major Core (6 hours)

All students must take COMM 2100 and 2381 (included in the University General Education Program). A 2.0 cumulative GPA is required for all courses completed in the major. In addition, all students must fulfill the requirements for one of the following concentrations:

2. Concentrations (27-31hours):

a. Communication Studies (31 hours): COMM, 2101, 3001, 3100, 3330, 4381; PLUS three courses from ONE of the following Focus Areas: Organizing & Relating (COMM 3322, 3341, 4011, 4012, 4014, 4340, 4341, 4342, 4363, 4373, 4375, 4380), Rhetoric & Political Communication (COMM 3321, 3322, 3341, 3360, 3361, 4013, 4340, 4360, 4364, 4365, 4380) or Media & Culture (COMM 1851, 3003, 3322, 3800, 3820, 3821, 4014, 4811, 4850, 4851, 4853, 4854, 4856, 4858); PLUS 6 additional hours of COMM electives.

b. Film and Video Production (27-29 hours): COMM 3823, 3824, 3842; three of 4822, 4824, 4825, 4841, 4842, 4891, 4960, or 4970; two of: (Selection may not include course used to satisfy core) COMM 3003, 4220-29, 4850, 4851, 4853, 4854, 4856, 4857, or 4858.

D. Electives (12 - 20 hours)

Completion of courses to bring the total to 120 semester hours.

E. Honors Program

To be eligible for admission to the Communication Honors program a student must meet the following requirements: (1) declare a major in Communication, (2) have completed 12 hours of Communication coursework, (3) have Department of Communication faculty member as an adviser, and (4) make an honors application to the adviser. Applications may be obtained from the director of the honors program or from the department office.

To be awarded departmental honors at graduation with the designation "With Honors in Communication," a student must fulfill the following requirements: (1) maintain a 3.5 GPA in communication coursework, (2) maintain a 3.5 GPA overall, (3) complete all

Course Descriptions

College of Arts and Sciences

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African and African American Studies (AAAS)
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Biology (BIOL)
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Earth Sciences (ESCI)
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Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
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Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
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Women's Studies (WMST)

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Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

Department of Communication major requirements, (4) complete an independent thesis or an independent film/video project sponsored by a Department of Communication faculty member consisting of six hours over two semesters: three hours in research preparation (COMM 3330, 4381, or 4891), and three hours in completing the thesis project (COMM 4999), and (5) successful defense of the thesis.

Communication Minor

Any student wishing to minor in any area in the Department of Communication should see the department chair who will assign an appropriate advisor. The minor must consist of at least 18 hours of approved coursework, 9 of which must be upper division. Coursework for all minors will be determined by the student in conference with the advisor with the approval of the department chair.

Typical 4-Year Film and Video Production Concentration Sequence

Freshman Year

ENGL 1010	3	COMM conc. elective	3
Elective	3	ENGL 1020	3
Humanities/Fine Arts*	3	Humanities/Fine Arts*	3
Foreign Language/B.A. (or elective)**	3	Foreign Language/B.A. (or elective)**	3
Elective	3	COMM 2100	3
Semester Totals	15 hrs		15 hrs

Sophomore Year

COMM 2381	3	COMM 3824	4
COMM 3823	4	COMM conc. elective	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
MATH*	3	Elective	3
History*	3	History*	3
ENGL 2201 or 2202	3		
Semester Totals	19 hrs		16 hrs

Junior Year

COMM 3842	4	COMM conc. elective	3
Elective	3	UD elective	3
Social/Behavioral Sciences*	3	Social/Behavioral Sciences*	3
Natural Science*	4	Natural Science*	4
Semester Totals	14 hrs		13 hrs

Senior Year

COMM conc. elective	3	COMM conc. elective	3
Fine Arts/B.A.	3	UD elective	3
Nat. Sci./Math/B.A.	3-4	Humanities/B.A.	3
UD elective	3	UD elective	3
Elective	3	UD elective	3
		Elective (if needed)	1
Semester Totals	15-16 hrs		16 hrs

Total Hours: 120-121

Total Hours Required for Graduation: 120

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

*Must satisfy University General Education Program Requirement

**Students presenting a language to meet University admission requirements cannot receive credit for 1010 in that language.

Typical 4-Year Communication Studies Concentration Sequence

Freshman Year

ENGL 1010	3	COMM 2100	3
Humanities/Fine Arts*	3	ENGL 1020	3
Foreign Language/B.A. (or elective)**	3	Humanities/Fine Arts*	3
Elective	3	Foreign Language/B.A. (or elective)**	3
Elective	3	Elective	3
Semester Totals	15 hrs		15 hrs

Sophomore Year

COMM 2381	3	COMM 3001	3
ENGL 2201 or 2202	3	COMM 2101	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
MATH*	3	Elective	3
History*	3	History*	3
Semester Totals	15 hrs		15 hrs

Junior Year

COMM 3001	3	COMM 3330	4
COMM Focus Area Course 1	3	COMM Focus Area Course 2	3
Social/Behavioral Sciences*	3	Social/Behavioral Science*	3
Natural Science*	4	Natural Science*	4
UD elective	3		
Semester Totals	16 hrs		14 hrs

Senior Year

COMM Focus Area Course 3	3	COMM 4381	3
Fine Arts B.A.	3	UD elective	3
Nat. Sci./Math/B.A.	3-4	UD Humanities/B.A.	3
COMM elective	3	COMM elective 2	3
UD Elective	3	UD elective	3
Semester Totals	15-16 hrs		15 hrs

Total Hours: 120-121

Total Hours Required for Graduation: 120

* Must satisfy University General Education Program Requirement

**Students presenting a language to meet University admission requirements cannot receive credit for 1010 in that language.

University College

[Family and Consumer Science \(CSED\)](#)

[Paralegal Studies \(LEGL\)](#)

[University College \(UNIV\)](#)

Independent Programs

[Orientation Program \(ACAD\)](#)

[University Honors Program \(UNHP\)](#)

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Interior Design

Department of Architecture

Interior Design (B.F.A.)

The Department of Architecture consists of the Architecture Program and the Interior Design Program. The mission of the Department of Architecture is to prepare graduates to enter the professional practice of architecture and interior design and to serve the Memphis and Mid-South region through research, engaged scholarship, interdisciplinary collaboration, and creative expression that contributes to sustainable, stable communities and enhances the quality of life for all citizens.

The goals and objectives of the Department are as follows: to provide the highest quality professional education through a well-rounded discovery-based curriculum in both the art and science of design with emphasis on processes, professional standards, and the practical application of design and technology; to provide research opportunities for faculty and students with emphasis on "hands on" multi-disciplinary projects through which students gain valuable professional experience while providing services to the citizens of the region; and to expand opportunities for Architecture and Interior Design students by bringing them together with faculty and students in the City Planning, Real Estate Development, and other programs to address public issues, support stable and sustainable neighborhoods, and develop community visions throughout the region.

The Bachelor of Fine Arts with a major in Interior Design is a professional degree and is fully accredited by the Council for Interior Design Accreditation (CIDA).

NOTE: Before enrolling in any Architecture or Interior Design course, all applicants seeking admission to the B.F.A. with a major in Interior design must complete and submit to the Department of Architecture an application form, a writing assignment, and a portfolio of five representative works. These three components comprise the Incoming Evaluation for Interior Design and will be reviewed by a faculty committee. Applicants are accepted on the basis of potential in the field of interior design. After review, the department notifies the student of one of the following: (1) acceptance, (2) one semester acceptance on a probationary basis, (3) recommendation to correct the deficiencies and reapply, or (4) denial of admission. Permission to enroll in any Architecture or Interior Design courses for which a permit is required beyond first semester, first year is based upon this review. Contact the Department of Architecture for details and deadline.

Students transferring from another major or another institution who intend to pursue a B.F.A. degree with a major in Interior Design must complete the Department of Architecture Incoming Evaluation prior to enrolling in Architecture or Interior Design courses. Transfer students seeking advanced standing in the Interior Design major should submit a portfolio of work representing previously completed Interior Design studio work. The review committee will determine if the portfolio work is equivalent to comparable courses at the University of Memphis. Placement in the major is dependent upon the review. Even if admitted to advanced standing, the student may be required to remedy previous course deficiencies.

A. University General Education Program (41 hours). See [Graduation from the University](#) for the University General Education Program requirements. Note: the following are specified by the department for this program: Social/Behavioral Sciences: ANTH 1200 and SOCI 1010; Natural Science: ESCI 1020; Humanities: ARTH 2010 and 2020; History: HIST 1110 and 1120; Mathematics: MATH 1710.

B. The Major (79 hours)

1. Major Foundations Core (30 hours)
ARCH 1111, 1112, 1113, 1120, 1211, 1212, 2611, IDES 1110, 2470, 2711.
2. The Major

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

Entrance - Completion of Major Foundations Core (30 hours)

Candidacy Review and Portfolio Requirements - a Candidacy Review is required of all students intending to major in Interior Design. Admission to the University of Memphis and completion of the major core do not guarantee placement in the program. Admission is selective and is based on a portfolio evaluation reflecting professional standards and expectations of the major. A portfolio that includes but is not limited to works from the major core courses is required as part of the application. Guidelines and application forms for admission for the Interior Design major are available in the department office. Consultation with a faculty advisor is recommended before or during portfolio preparation. Students may submit portfolios for review no earlier than the semester that Candidacy requirements are being completed.

Transfer students must meet entrance requirements of the major. After review, the department notifies the student of one of the following: (1) acceptance, (2) one semester acceptance on a probationary basis, (3) recommendation to correct the deficiencies and reapply, or (4) denial of admission. Permission to enroll in any 3000-4000 level Architecture or Interior Design course is based upon this review.

3. Completion of Major (43 hours) - ARCH 2612, 3421, 3431, IDES 2411, 2712, 3213, 3221, 3442, 3711, 3712, 4430, 4713, 4714.

C. Electives (3 hours)

Architecture, Interior Design, or approved open electives complete the 79 semester hours of course work. See advisor for details.

Typical 4-Year Interior Design Sequence**Freshman Year**

ARCH 1111	3	ARCH 1112	3
ARCH 1120	3	ARCH 1113	3
ARCH 1211	3	ARCH 1212	3
MATH 1710	3	IDES 1110	3
ENGL 1010	3	ENGL 1020	3
Semester Totals	15 hrs		15 hrs

Sophomore Year

ARCH 2611	3	ARCH 2612	3
IDES 2470	3	IDES 2411	3
IDES 2711	3	IDES 2712	3
ARTH 2010	3	ARTH 2020	3
COMM 2381	3	ESCI 1020	4
Semester Totals	15 hrs		16 hrs

Junior Year

ARCH 3421	3	IDES 3430	3
IDES 3213	3	ARCH/IDES elective	3
IDES 3442	3	IDES 3221	3
IDES 3711	4	IDES 3712	4
HIST 1110	3	HIST 1120	3
Semester Totals	16 hrs		16 hrs

Senior Year

IDES 4430	3	IDES 4714	4
IDES 4713	4	ARCH 4421	3
SOCI 1010	3	ENGL 2201 or 2202	3
Natural Science*	4	ANTH 1200	3
Semester Totals	14 hrs		13 hrs

Total Hours: 120

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and
Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences**Counseling, Educational Psychology and Research**

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

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Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

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Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement.

D. Architecture Honors

The Department of Architecture Honors Program provides an opportunity for selected Architecture and Interior Design students to enrich their learning experience through honors courses, independent study, a senior thesis, and extracurricular learning experiences. The Honors Program requires a minimum of 15 semester hours of honors work in courses within the Department of Architecture. Students who complete the appropriate degree program with a 3.25 cumulative grade point average will earn a degree that includes the distinction "Honors in Architecture." Moreover, the diploma and record at the University of Memphis will reflect this accomplishment. Please contact the Department of Architecture honors coordinator for more detailed information.

University College

[Family and Consumer Science \(CSED\)](#)
[Paralegal Studies \(LEGL\)](#)
[University College \(UNIV\)](#)

Independent Programs

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Journalism

The Department of Journalism

The Journalism major at the University of Memphis offers preparation for careers in advertising, broadcast news, web journalism, newspaper/magazine, and public relations. The journalism student is required to take career-oriented skills courses to enhance writing, editing, and graphic abilities, as well as theory courses to broaden the student's philosophical understanding.

Program objectives for a B.A. in Journalism are:

- To think critically, creatively and independently
- To conduct research and evaluate information by methods appropriate to the communications professions in which they work
- To write correctly and clearly in forms and styles appropriate for the communications professions, audiences and purposes they serve
- To critically evaluate one's own work and that of others for accuracy and fairness, clarity, appropriate style and grammatical correctness.

Journalism graduates typically work as newspaper or television reporters and photographers, editors and anchors, advertising executives, public relations professionals, freelance writers and producers, web content producers, web designers and editors. No matter which concentration is selected, each student journalist requires a strong background in liberal arts and an understanding of the social sciences to augment his or her professional skills. Consequently, no more than 48 hours of journalism courses may be included in the 120 hours required for graduation. The remainder of the student's course work must follow the guidelines provided by the university to qualify for a Bachelor of Arts degree.

Practical experience is available on The Helmsman newspaper, radio station WUMR, and Insight campus TV newscast productions. Additionally, journalism students may participate in one of the following activities: University Public Information Office, Athletic Publicity Office, Alumni Publicity Office. Qualified majors will be chosen for senior-year internships with Memphis newspapers, magazines, advertising and public relations agencies, and broadcasting stations.

JOUR 2121, which requires typing proficiency, is a prerequisite for journalism majors taking more advanced writing courses in the program. Students must pass the Journalism Department's English Proficiency Test before enrolling for JOUR 2121. Prerequisite journalism courses, including JOUR 2121, must be completed with a minimum grade of "C" before moving on to any course in the program to which the prerequisites are applied. A grade point average of 2.0 is required to declare and maintain a journalism major. JOUR 1700 and JOUR 2121 must be completed within the first calendar year as a major. Students who fail to comply with the above criteria may be permanently dropped from the program. Additionally, students must have a 2.0 grade point average in journalism classes to graduate.

Students majoring in journalism may select only one concentration. Of the 120 hours required for graduation, 72 hours must be other than journalism or journalism skills related courses. Twelve semester hours in a secondary area of emphasis, outside the Department of Journalism, approved by the student's advisor, is recommended.

In order to be in compliance with the Accrediting Council on Education in Journalism and Mass Communications accreditation standards, UofM will accept no more than 12 semester hours or the equivalent in journalism courses for transfer from community colleges to be applied toward the degree.

Journalism Major (B.A.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

requirements.

B. Bachelor of Arts (B.A.) (12-16 hours)

The [Bachelor of Arts requirements](#) are in addition to the University General Education Program requirements.

C. The Major (48 hours)

1. Major Core (12 hours)

Completion of JOUR 1700, 2121, 4700 and one of the following: JOUR 4702, 4708, or 4716.

2. Concentrations (25-30 hours)

a. Advertising (30 hours): JOUR 3300, 3324, 3900, 4326, 4327, 4328; JOUR 4500 or 4900; JOUR 3400 or 4330; MKTG 3010, 3012.

b. News (25-27 hours): JOUR 3120, 3526, 4120, 4500, 4998, and one of the following: JOUR 3800 or 4130. Broadcast emphasis: JOUR 4629, 4639; COMM 3801. Newspaper/Magazine emphasis: JOUR 2123, 3130, 4140. Web journalism emphasis: JOUR 4550, 4560, JOUR 2123 or 3900. Custom emphasis: Select three: JOUR 3130, 3900, 4124, 4550, 4560 or 4900.

c. Public Relations (30 hours): JOUR 3400, 3409, 3421, 3900, 4410, 4440; MGMT 3110; MKTG 3010; JOUR 3120 or 3130; JOUR 3300, 4430 or 4500.

D. Electives (13 hours)

Completion of courses to bring the total to 120 semester hours.

Journalism Minor

Any student wishing to minor in any area in the department of Journalism should see the department chair who will assign an appropriate advisor. The minor must consist of at least 18 hours of approved coursework, 9 of which must be upper division. Coursework for all minors will be determined by the student in conference with the advisor with the approval of the department chair.

Typical 4-Year Advertising Concentration Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
History*	3	Foreign Language/B.A.	3
JOUR 1700**	3	JOUR 2121	3
Foreign Language/B.A.	3	Humanities/Fine Arts*	3
Social/Behavioral Sciences*	3	Elective	3
Semester Totals	15 hrs		15 hrs

Sophomore Year

JOUR 3300	3	JOUR 3900	3
Fine Arts/B.A.***	3	Humanities/Fine Arts*	3
COMM 2381	3	Natural Science*	4
Foreign Language/B.A.	3	Foreign Language/B.A.	3
ENGL 2201 or 2202	3	MATH*	3
Semester Totals	15 hrs		16 hrs

Junior Year

JOUR 4500/4900	3	Natural Science/Math/B.A	3
MKTG 3010	3	History*	3
Natural Science*	4	MKTG 3012	3
Elective	3	UD Humanities/B.A	3

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

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Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

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Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

JOUR 3324	3	Elective	3
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Semester Totals	16 hrs		15 hrs
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Senior Year

JOUR 4326	3	JOUR 4630/3400	3
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JOUR 4327	3	UD JOUR elective	3
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JOUR 4700	3	JOUR 4328	3
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Elective	3	Elective	3
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Elective	2	Elective	2
----------	---	----------	---

Semester Totals	15 hrs		14 hrs
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Total Hours: 120.

Internship elective highly recommended last semester to enhance employability and complete minimum of 120 hours for degree.

Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**JOUR 1700 fulfills Social Science General Education Requirement

***Unless Fine Arts was taken in General Education Humanities/Fine Arts, then take elective

Typical 4-Year News Concentration Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
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History*	3	Foreign Language/B.A.	3
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JOUR 1700**	3	JOUR 2121	3
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Foreign Language/B.A.	3	Humanities/Fine Arts*	3
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Social/Behavioral Sciences*	3	Social/Behavioral Sciences*	3
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Semester Total	15 hrs		15 hrs
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Sophomore Year

JOUR 3120	3	JOUR 3526	3
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JOUR News emphasis	3	Humanities/Fine Arts*	3
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COMM 2381	3	Natural Science*	4
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Foreign Language/B.A.	3	Foreign Language/B.A.	3
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ENGL 2201 or 2202	3	MATH*	3
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Semester Total	15 hrs		16 hrs
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Junior Year

JOUR 4500	3	Natural Science/Math/B.A.	3
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JOUR 4120	3	History*	3
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Natural Science*	4	JOUR News emphasis	3
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Fine Arts/B.A.	3	UD Humanities/B.A.	3
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Elective	3	Elective	3
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Semester Total	16 hrs		15 hrs
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Senior Year**University College**

Family and Consumer Science (CSED)

Paralegal Studies (LEGL)

University College (UNIV)

Independent Programs

Orientation Program (ACAD)

University Honors Program (UNHP)

University of Memphis Libraries (LBRY)

Interdisciplinary Studies (INTD)

JOUR 4998	3	JOUR 4130/3800***	1/3
JOUR News emphasis	3	UD JOUR elective	3
JOUR 4700	3	Elective	3
Elective	3	Elective	3
Elective	2	Elective	2
Semester Total	14 hrs		12-14 hrs

Total Hours: 120.

Internship elective highly recommended last semester to enhance employability and complete minimum of 120 hours for degree.

Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**JOUR 1700 fulfills Social Science General Education Requirement

***Students taking JOUR 3800 must also take a 2-hr elective

Typical 4-Year Public Relations Concentration Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
History*	3	Foreign Language/B.A.	3
JOUR 1700**	3	JOUR 2121	3
Foreign Language/B.A.	3	Humanities/Fine Arts*	3
Social/Behavioral Sciences*	3	Elective	3
Semester Total	15 hrs		15 hrs

Sophomore Year

JOUR 3400	3	JOUR 3900	3
Fine Arts/B.A.	3	Humanities/Fine Arts*	3
COMM 2381	3	Natural Science*	4
Foreign Language/B.A.	3	Foreign Language/B.A.	3
ENGL 2201 or 2202	3	MATH*	3
Semester Totals	15 hrs		16 hrs

Junior Year

JOUR 3409	3	Natural Science/Math/B.A.	3
MKTG 3010	3	JOUR 3421	3
Natural Science*	4	MGMT 3110	3
Elective	3	UD Humanities/B.A.	3
History*	3	Elective	3
Semester Total	16 hrs		15 hrs

Senior Year

JOUR 4410	3	JOUR 4430/3300/4500	3
JOUR 4700	3	UD JOUR elective	3
Elective	3	JOUR 4440	3
Elective	3	Elective	3
Elective	2	Elective	2

Semester Total 14 hrs 14 hrs

Total Hours: 120.

Internship elective highly recommended last semester to enhance employability and complete minimum of 120 hours for degree.

Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**JOUR 1700 fulfills Social Science General Education Requirement

***Unless Fine Arts was taken in General Education Humanities/Fine Arts, then take elective

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Music

Rudi E. Scheidt School of Music

Program objectives for a B.M. in Music are: (a) to be prepared for entrance into accredited graduate programs in music; (b) to be prepared to pursue graduate studies in music performance; (c) to be prepared to pursue careers in the music profession.

The Bachelor of Music with a major in Music is a professional degree, the requirements for which provide the student with an opportunity for specialization in the traditional disciplines of music and music education. A minimum grade of "C-" is required in every graded music course applicable toward the major. The student must maintain an overall grade point average of 2.0. Exception: Music Education concentration: overall grade point average of 2.75 and a minimum grade of "C-" in each professional education and music course.

The specific degree requirements are divided into four groups: (1) University General Education Program, (2) basic music courses, (3) courses required for the specific emphasis chosen by the student, (4) electives to bring the total of semester hours taken to 120 (124 hours for Music Education choral emphasis, 125 hours for Music Education instrumental emphasis). All students must complete a minimum of 42 hours at the upper division level. Transfer students must complete a minimum of 30 semester hours of music and/or music education courses at the upper division level at the University of Memphis.

Admission: All applicants seeking admission as freshman music majors or as transfer students must complete and submit to the Admissions Office of the University of Memphis an appropriate formal application form. In addition to academic considerations, admission to the music degree program requires a personal interview and an audition. The audition consists of (1) performance in the student's major applied area, (2) a music theory examination and (3) a piano placement exam. Candidates are accepted on the basis of accomplishment, potential and suitability for the concentration they wish to pursue. Students seeking admittance as music majors in the fall term should apply no later than June 1, and those seeking admittance in the spring term should apply no later than December 1. Additional information on specific audition requirements and on interview/audition appointments may be obtained through the office of the School of Music or at <http://www.memphis.edu/music>.

Music Major (B.M.)

A. University General Education Program (35 hours in addition to 6 hours of Music History)

See [Graduation from the University](#) for the University General Education Program requirements. Six hours of Humanities are satisfied by taking MUHL 3301 and 3302 for Music majors (excluding Jazz concentrations) or MUHL 3303 and 4806 for Jazz and Studio Performance and Jazz Composition and Arranging concentrations. Students in Music Education must take PSYC 1030 for one of the Social/Behavioral Sciences requirements.

B. The Major (85-90 hours)

1. Major Core (36 - 43 hours)

a. Completion of MUTC 1008, 1010, 1009, 1011, 2008, 2010, 3008, 3009 (16 hours)

b. Theory elective (one from the following): (Music Education is exempt), 3102, 3109, 3201, 4205, 4206, 4207; Jazz take MUTC 2103 (3 hours).

c. MUHL 3301, 3302; Jazz take MUHL 3303, 4806 (6 hours)

d. History Elective (one from the following):

MUHL 4008, 4009, 4010, 4013, 4800, 4801, 4805, 4806, or 4807 (Music Education is

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

exempt) (3 hours).

e. MUSE 3700 (2 hours);

f. MUAP 1105, 1106, 2107, 2108 (4) with two exceptions: Music Education instrumental majors are not required to take MUAP 2108 and Jazz majors must take MUAP 1105, 1106, 1116, and a proficiency examination administered by the jazz faculty. All undergraduate Music majors, irrespective of concentration, must take a piano placement examination before enrolling in the School of Music. This evaluation will place students in the appropriate course in the class-piano sequence. All piano proficiency requirements as appropriate to the concentration must be passed before graduation (or, for Music Education majors, before student teaching). Students already proficient in piano may be permitted to bypass the class-piano sequence and enroll in MUSE 3101, which will satisfy this requirement and any student may choose to take the departmental Piano Proficiency Examination in lieu of coursework. Since the requirements for this exam vary according to the area of concentration, contact the Coordinator of Class Piano for specific details.

g. MUID 1001 (1)

h. Ensemble Requirement: All Music majors must take a minimum of eight (8) semesters of ensemble. The specific requirements for this are determined by each division and degree program. Please consult with your adviser for the specific outline for your applied area and degree program exceptions. Music Education Instrumental students must take two semesters of Marching Band (string players exempt) and one semester of University Singers, Chamber Choir, or Collegiate Choir as part of their ensemble requirement.

i. Concert Attendance: All Music majors are required to attend a minimum of 100 concerts or recitals in the four-year program (suggested 25 per year). Records will be maintained in by the School of Music on the number of events attended by each student and an annual report will be filed with the Director.

2. Concentration (42 hours except Music Education, see below)

a. Jazz and Studio Performance

MUAP 1xx1, (1), 1xx2 (10), 3012-13 (8), 3103 (5), 4xx2 (4), 4895, MUTC 3201, 3825, 3826, 3827; Jazz vocal students take MUHL 4016, instead of MUTC 3827.

b. Jazz and Studio Composition/Arranging

MUAP 1312, (pianists take 1101) (4), MUTC 2501, 2504 (2), 2511 (2), 3201, 3501 (2), 3825, 4106, 4503, 4896 (4), MUAP 1xx2 (5), 3012-13 (6), 3103 (2)

c. Performance. Instruction in performance leading to the Bachelor of Music in Music with a concentration in Performance is provided for the following areas: Trumpet, Horn, Trombone, Tuba, and Euphonium (Brass Instruments); Piano, Harpsichord, and Organ (Keyboard Instruments); Percussion; Violin, Viola, Violoncello, Bass, Guitar, and Harp (String Instruments); Flute, Oboe, Clarinet, Saxophone, and Bassoon (Woodwind Instruments); Voice.

Individual instruction in major performance area (24 hours).

Instruction in secondary performance area, repertory, and/or pedagogy: (6 hours)

For brass instruments: MUHL 4020 (3) Solo Brass Literature; MUSE 4514 (3) Brass Pedagogy.

For woodwind instruments: MUSE 4521 (3) Woodwind Pedagogy, MUAP 4004 (2), Orchestral Exerpts, and MUAP 4263 (1) Reed Making; flute players should take MUAP 2201 (1) Historical Techniques for Woodwind Instruments or an additional MUAP 3701 (1) Woodwind Ensemble instead of reed making.

For percussion: MUHL 4030 (3) Percussion Repertory and MUSE 4520 (3) Percussion Pedagogy.

For bowed strings: 6 hours chosen from MUHL 4500 String Repertory, MUAP 4004 (2) Orchestral Excerpts, MUHL 4008 The Symphony, MUHL 4022 Early Chamber Music, MUHL 4011 String Quartet Literature, MUSE 4506 Introduction to Suzuki Talent Education for Strings, and/or up to 2 hours of an approved secondary string instrument.

For guitar: MUHL 4015 (3) Guitar Literature and MUSE 4251 (3) Guitar Pedagogy.

For voice: MUSE 4523 (2) Vocal Pedagogy; MUHL 4002 (2) Song Repertory I and MUHL 4003 (2) Song Repertory II.

For piano: MUHL 4001 (2) Piano Repertory, MUSE 4501 (2) Piano Pedagogy I, and MUSE 4505 (2) Collaborative Piano Techniques.

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT) Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Junior Recital (1 hour)

MUAP 4999. Artist Recital (4 hours)

Small Ensembles (4-6 hours)

Four semesters of small ensembles, chosen from those listed under "Small Ensembles and Chamber Music" in consultation with the major advisor, is required. Piano (and Harpsichord) performance students must take a minimum of four (4) semesters of MUAP 3301, Chamber Music for Keyboard, as part of the music core requirements for ensembles.

For students in voice, MUSE 4211 Vocal Diction I (2), MUSE 4212 Vocal Diction II (2), and a demonstrated proficiency equivalent to the first semester university level courses in French, German, and Italian.

For Piano and Harpsichord performance students, the following is to be taken in lieu of the four hours of class piano: Functional Keyboard Skills (1), secondary keyboard instrument (two semesters of one credit each) (2), and one music elective (1).

Music Electives - as needed to satisfy 120 hours degree requirement.

d. Composition:

Individual instruction in applied music to include two semesters of piano (8)

MUTC 2501 Composition (3)

MUTC 2502 Composition minimum two semesters (6)

MUTC 4501 Composition (minimum three semesters) (9)

MUTC 4511 Intermediate Electronic Music (2)

MUTC 4512 Advanced Electronic Music (2)

Choose one of the following courses: MUTC 4205 Sixteenth Century Counterpoint (2) or MUTC 4206 Eighteenth Century Counterpoint (2)

MUTC 4209 Advanced Orchestration (3)

MUTC 4102 Compositional Processes of the 20th Century (3)

MUTC 4599 Senior Composition Recital (3)

e. Music History:

Individual instruction in applied music (10)

MUHL 4259 Studies in Bibliography (3)

Electives (11)

Advanced Music History (9)

Foreign Language: 6 semester hours in addition to requirements for admission (6)

MUHL 4999: Senior Project in Music History (3)

f. Music Education: (47-48 hours)

Core: (32 hours)

ICL 3333 Assessment and Decision Making (3)

ICL 4914 Teaching All Learners Residency I (5)

ICL 4800 Professional Seminar (3)

EDPR 2111 Development Across the Life Span (3)

MUSE 2002 Foundations of Music Education (3)

MUAP 3999 Junior Recital (1)

SPED 2000 Intro to Exceptional Learners (3)

MUSE 4911 Residency II Student Teaching in Music (9)

MUSE 4213 Materials and Methods of General Music (3)

Instrumental Emphasis: (22 hours)

University College

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[Paralegal Studies \(LEGL\)](#)

[University College \(UNIV\)](#)

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[University Honors Program \(UNHP\)](#)

[University of Memphis Libraries \(LBRY\)](#)

[Interdisciplinary Studies \(INTD\)](#)

MUSE 1101 Class Instruction in Brass Instruments (1)
 MUSE 1103 Class Instruction in Percussion Methods (1)
 MUSE 1104 Class Instruction in Woodwind Instruments (1)
 MUSE 1116 Class Instruction in Stringed Instruments (1)
 MUSE 4205 Marching Band Techniques (1)
 MUSE 4403 Materials and Methods in Instrumental Music, 6-12 (3)
 MUSE 4700 Instrumental Conducting (2)
 Applied Music: at least 2 hours at the upper division level (12)
 MUSE 4403 Materials and Methods of Instrumental Music (6-12) (3)
 Choral Emphasis: (21 hours)
 MUSE 1112 Class Instruction in Voice (1)
 (Not required of students enrolled in applied voice)
 MUAP 1610 Applied Voice (1)
 MUAP 2108 Class Piano IV
 MUSE 4211 Vocal Diction I (2)
 MUSE 4701 Choral Conducting (2)
 Applied Music: at least 2 hours at the upper division level (12)
 MUSE 4405 Materials and Methods of Choral Music (7-12) (3)

C. Electives (0 - 12 hours)

Completion of elective courses to bring the total to a minimum of 120 semester hours (124 or 125 for students in the Music Education concentration depending on emphasis). Courses will be chosen by the student in consultation with the advisor and major professor.

Music Minor

Students wishing to minor in music should contact the School of Music Audition Coordinator to declare Music as their minor and schedule appropriate placement test. The minor in Music consists of 21 credit hours and is available to any student who completes the following requirements: Applied Music individual instruction (4 hours); 2 semesters appropriate ensembles (2 hours); MUTC 1008 and MUTC 1009 (6 hours); choose one from MUHL 3301, 3302, 3303 (3 hours); upper division electives (6 hours). In addition, all music minors are required to attend a minimum of 25 concerts or recitals.

Typical 4-Year Jazz and Studio Performance Concentration Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
Social/Behavioral Sciences*	3	Social/Behavioral Sciences*	3
MUTC 1008	3	MUTC 1009	3
MUTC 1010	1	MUTC 1011	1
MUAP 1105	1	MUAP 1106	1
MUAP (applied music)	2	MUAP (applied music)	2
MUAP 3012/3	1	MUAP 3012/3	1
MUID 1001	1	MUAP 1116	1

Semester Totals	15 hrs	15 hrs
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Sophomore Year

History*	3	MATH*	3
MUTC 2008	3	History*	3
MUTC 2010	1	MUAP 3103	1

MUAP (applied music)	2	MUTC 3008	3
MUTC 3825	3	MUTC 3009	1
MUTC 2103	3	MUTC 3201	3
MUAP 3012/3	1	MUAP (applied music)	2
MUAP 3103	1	MUAP 3012/3	1

Semester Totals 17 hrs 17 hrs

Junior Year

Natural Science*	4	Natural Sciences*	4
MUSE 3700	2	MUAP 3103	1
MUAP 3103	1	MUHL 3303	3
MUTC 3826	3	MUAP (2nd instrument)	1
COMM 2381	3	MUAP 3012/3	1
MUAP (applied music)	2	Elective	2
MUAP 3012/3	1	ENGL 2201 or 2202	3

Semester Totals 16 hrs 15 hrs

Senior Year

MUID 3827	3	Elective	3
Music elective	3	MUAP 4895	3
MUAP 3103	1	MUHL 4806	3
MUAP 3012/3	1	MUAP 4xx2	2
MUAP 4xx2	2	MUAP 3012/3	1
MUHL elective	3		

Semester Totals 13 hrs 12 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Jazz Composition and Arranging Concentration Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
Social/Behavioral Sciences*	3	Social/Behavioral Sciences*	3
MUTC 1008	3	MUTC 1009	3
MUTC 1010	1	MUTC 1011	1
MUAP 1105	1	MUAP 1106	1
MUAP (applied music)	2	MUTC 2501	3
MUTC 1001	1	MUAP 1116	1

Semester Totals 14 hrs 15 hrs

Sophomore Year

ENGL 2201 or 2202	3	MATH*	3
MUTC 2008	3	Music elective	3
MUTC 2010	1	MUAP 3103	1
MUAP (applied music)	3	MUTC 3008	3

MUTC 3825	3	MUTC 3009	1
MUTC 2103	3	MUTC 3201	3
MUAP 3012/3	1	MUAP 3012/3	1

Semester Totals	17 hrs		15 hrs
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Junior Year

Natural Science*	4	Natural Science*	4
MUSE 3700	2	History*	3
MUAP 1312	2	MUHL 3303	3
MUTC 2511	2	MUAP 1312	2
COMM 2381	3	MUAP 3012/3	1
MUTC 2504	2	MUTC 3501	2
MUAP 3012/3	1		

Semester Totals	16 hrs		15 hrs
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Senior Year

History*	3	Music elective	3
MUTC 4503	3	MUAP 4896	4
Music elective	3	MUHL 4806	3
MUAP 3012/3	1	MUTC 4106	3
MUHL elective	3	MUAP 3012/3	1
MUAP 3103	1		

Semester Totals	14 hrs		14 hrs
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Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Performance Concentration Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
Social/Behavioral Sciences*	3	Social/BehavioralSciences*	3
MUTC 1008	3	MUTC 1009	3
MUTC 1010	1	MUTC 1011	1
MUAP 1105	1	MUAP 1106	1
MUAP (applied music)	3	MUAP (applied music)	3
MUAP (large ensemble)	1	MUAP (large ensemble)	1
MUID 1001	1		

Semester Totals	16 hrs		15 hrs
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Sophomore Year

ENGL 2201 or 2202	3	Small ensemble	1
MUTC 2008	3	MATH*	3
MUTC 2010	1	History*	3
MUAP (applied music)	3	MUTC 3008	3

MUAP 2107	1	MUTC 3009	1
MUAP (ensemble)	1	MUAP 2108	1
MUAP (small ensemble)	1	MUAP (applied music)	3
History*	3	MUAP (ensemble)	1
Semester Totals	16 hrs		16 hrs

Junior Year

Natural Science*	4	Natural Science*	4
Small ensemble	1	MUTC**	3
MUHL 3301	3	MUHL 3302	3
MUAP (ensemble)	1	MUAP (applied music)	4
COMM 2381	3	MUAP (ensemble)	1
MUAP (applied music)	4	MUAP 3999	1
Semester Totals	16 hrs		16 hrs

Senior Year

MUHL elective	3	MUAP 4999	4
Music elective	3	Music elective	3
MUAP (ensemble)	1	Music elective	3
MUSE 3700	2	UD elective	3
MUAP (applied music)	4	MUAP (ensemble)	1
		MUAP (small ensemble)	1
Semester Totals	13 hrs		12 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**Choose one from MUTC 3101, 3201, 3202, 4205, 4206, 4207

***Choose one from MUHL 4008, 4009, 4010, 4013

Typical 4-Year Composition Concentration Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
MUTC 1008	3	MUTC 1009	3
MUTC 1010	1	MUTC 1011	1
MUAP 1105	1	MUAP 1106	1
MUAP (applied music)	2	MUAP (applied music)	2
MUAP (large ensemble)	1	MUAP (large ensemble)	1
MUID 1001	1	MUTC 2501	3
Semester Totals	12 hrs		14 hrs

Sophomore Year

English 2201 or 2202	3	MUTC 2502	3
Natural Science*	4	Natural Science*	4
MUTC 2008	3	MATH*	3

MUTC 2010	1	MUAP (large ensemble)	1
MUAP (applied music)	2	MUTC 3008	3
MUAP (large ensemble)	1	MUTC 3009	1
MUAP 2502	3	MUAP 2108	1
MUAP 2107	1	MUAP (applied music)	2

Semester Totals	18 hrs		18 hrs
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Junior Year

History*	3	History*	3
COMM 2381	3	MUTC 420x	2
MUHL 3301	3	MUHL 3302	3
MUTC 4209	3	MUTC 4511	2
MUAP (large ensemble)	1	MUAP (large ensemble)	1
MUTC 4501	3	MUTC 4501	3
MUSE 3700	2		

Semester Totals	18 hrs		14 hrs
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Senior Year

Social/Behavioral Sciences*	3	MUTC 4599	4
MUTC 4501	3	MUHL elective**	3
MUTC 4512	2	MUAP (large ensemble)	1
Theory elective	3	MUTC 4102	3
MUAP (large ensemble)	1	Social/Behavioral Sciences*	3

Semester Totals	12hrs		14 hrs
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Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**Choose one from MUHL 4008, 4009, 4010, 4013

Typical 4-Year Music History Concentration Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
Social/Behavioral Sciences*	3	Social/Behavioral Sciences*	3
MUTC 1008	3	MUTC 1009	3
MUTC 1010	1	MUTC 1011	1
MUAP 1105	1	MUAP 1106	1
MUAP (applied music)	2	MUAP (applied music)	2
MUAP (small ensemble)	1	MUAP (ensemble)	1
MUID 1001	1		

Semester Totals	15hrs		14 hrs
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Sophomore Year

ENGL 2201 or 2202	3	MATH*	3
History*	3	MUAP 2108	1
MUTC 2008	3	History*	3

MUTC 2010	1	MUAP (ensemble)	1
MUAP (applied music)	2	MUTC 3008	3
MUAP (large ensemble)	1	MUTC 3009	1
MUAP 2107	1	MUAP (applied music)	2
Foreign Language	3	Foreign Language	3

Semester Totals	17 hrs		17 hrs
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Junior Year

Natural Science*	4	Natural Sciences*	4
MUHL 3301	3	Concentration elective	3
MUAP (applied music)	2	MUHL 3302	3
MUSE 3700	2	Concentration elective	2
MUAP (ensemble)	1	MUAP (ensemble)	1
COMM 2381	3	MUHL elective***	3

Semester Totals	15 hrs		16 hrs
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Senior Year

Concentration Elective	2	MUHL 4999	3
MUHL elective	3	MUHL elective***	3
MUHL elective	3	MUAP (ensemble)	1
MUHL 4259	3	Concentration elective	2
MUAP (ensemble)	1	Concentration elective	2
		MUTC elective	3

Semester Totals	12 hrs		14 hrs
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Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**Choose one from MUTC 3101, 3201, 3202, 4205, 4206, 4207

***Choose one from MUHL 4008, 4009, 4010, 4013

Typical 4-Year Music Education (Instrumental) Concentration Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
History*	3	MATH*	3
MUTC 1008	3	MUTC 1009	3
MUTC 1010	1	MUTC 1011	1
MUAP 1105	1	MUAP 1106	1
MUAP (applied music)	2	MUAP (applied music)	2
MUAP large ensemble	1	MUAP (large ensemble)	1
MUID 1001	1	Social/Behavioral Sciences*	3
MUSE 1104	1	MUSE 1103	1

Semester Totals	16 hrs		18 hrs
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Sophomore Year

ENGL 2201 or 2202	3	COMM 2381	3
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MUTC 2008	3	EDPR 2111	3
MUSE 2002	2	MUTC 3008	3
MUTC 2010	1	MUTC 3009	1
MUAP (applied music)	2	MUAP 2108	1
MUAP (large ensemble)	1	MUAP (ensemble)	1
MUAP 2107	1	MUAP (applied music)	2
ICL 3333	3	SPED 2000	3

Semester Totals	16 hrs		17 hrs
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Junior Year

Natural Science*	4	Social/Behavioral Sciences*	3
History*	3	Natural Science*	4
MUHL 3301	3	MUSE 4701	2
MUSE 3700	2	MUHL 3302	3
MUAP (applied music)	2	MUAP (applied music)	2
MUAP (small ensemble)	1	MUAP (ensemble)	1
MUAP (large ensemble)	1	MUAP 1610	1
MUSE 4211	2	MUAP 3999	1

Semester Totals	18 hrs		17 hrs
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Senior Year

ICL 4914	5	ICL 4800	3
MUSE 4213	3	MUSE 4911	9
MUSE 4405	3		
MUAP (large ensemble)	1		

Semester Totals	12 hrs		12 hrs
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Total Hours: 124

Total Hours Required for Graduation: 124

*Must satisfy University General Education Program Requirement

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Music Industry

Rudi E. Scheidt School of Music

The Bachelor of Music degree in Music Industry is designed for students whose interests and abilities indicate a strong potential for significant achievement in the music industry.

Two concentrations are available: Music Business and Recording Technology

Admission: Admission is based on selective procedures, and admission to the University does not guarantee placement in the Music Industry Program. Stringent quality control is essential; therefore, an assessment is required of all students desiring to enter the program. Entrance requirements vary by concentration. Specific admissions criteria may be obtained through the office of the Director, School of Music. Through the admissions procedure, preliminary estimates of student commitment and potential success can be made. Upon admission, the student will be assigned an advisor.

Retention: The student's progress and continued potential will be reviewed twice yearly by the appropriate Music Industry faculty. Permission to continue in the program will be based upon this evaluation. Retention criteria may be obtained through the office of the Director, School of Music.

Ensembles: Students in Music Business or Recording Technology must complete two (2) credit hours of ensemble.

Concert Attendance: All students in Music Business and Recording Technology are required to attend a minimum of 50 concerts or recitals during their four-year program. Records will be maintained in the School on the number of events attended by each student and a report will be filed with the Director of the School each year.

Experiential Learning: Credit may be awarded for validated learning from experience or non-traditional instruction. Students who wish to apply for credit for experiential learning may obtain guidelines for this procedure from the Dean of the College of Communication and Fine Arts. (See Fees and Charges, for related fee information.)

Graduation from the Program: A minimum of 120 hours is required for graduation; a minimum grade of "C-" is required in every graded course applicable to the major as well as an overall grade point average of 2.5.

Music Industry Major (B.M.)

A. University General Education Program (35 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note the following B.M. degree with a major in Music Industry program specifications: (1) Music Business must complete ECON 2010 and 2020 to fulfill the Social/Behavioral Sciences requirement; (2) both concentrations must take MATH 1830 for the Mathematics requirement, and complete with a minimum grade of "C-"; (3) PHYS 2110/2111 and PHYS 2120/2121 (Natural Science requirement) for the Recording Technology concentration. The Humanities category is satisfied for students who meet all B.M. requirements.

B. The Major (85 hours)

1. Major Core (29 hours)

MUTC 1008, 1010, 1009, 1011, 2008, 2010; MUHL 3303; MUAP xxxx (ensembles) (2), 1105 (1), 1116 (1), 1xxxx (applied instruction) (4); MUID 3103; choose one: MUHL 4801, 4804, 4805, 4806, 4807; 50 concert/recital attendance requirements prior to graduation.

2. Concentration (49-56 hours)

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Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
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[Economics \(ECON\)](#)

a. Music Business (56 hours)

ACCT 2010, 3011; FIR 2220; JOUR 3400, 3900; MGMT 3110, 3510; MKTG 3010; MUID 1001 (1), 2201 (2), 3105, 3506, 3602, 4603, 4820, 4840, 4850, 4898 (4), 4899.

b. Recording Technology (49 hours)

MUID 2201 (2), 3800 (4), 3801, 3901 (1), 3902 (1), 3903 (1), 3905, 4604, 4800 (4); 4802 (3), 4803 (3), 4811 (1), 4822 (1), 4830, 4833 (1), 4840, 4850, 4898; TECH 1811, 2821.

Recording Technology elective path (6 hours). Students are to complete the elective hours in one academic area. Electives are to be chosen from an approved list of classes, which is available from the student's advisor.

C. Electives (0 - 3 hours)

Elective courses may be chosen to bring the total number of hours to 120.

Typical 4-Year Music Business Concentration Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
MATH 1830	3	MUTC 1009	3
Natural Science*	4	Natural Science*	4
MUTC 1008	3	MUAP 1116	1
Applied music	1	MUID 2201	2
MUTC 1010	1	MUAP (applied music)	1
MUAP 1105	1	MUTC 1011	1
		MUID 1001	1

Semester Totals 16 hrs 16 hrs

Sophomore Year

MUTC 2008	3	COMM 2381	3
History*	3	History*	3
ACCT 2010	3	ENGL 2201 or 2202	3
MUAP (applied music)	1	MUAP (applied music)	1
MUAP Ensemble	1	ECON 2020	3
ECON 2010	3	Ensemble	1
MUTC 2010	1		

Semester Totals 15 hrs 14 hrs

Junior Year

MKTG 3010	3	MGMT 3110	3
ACCT 3011	3	MUID 3105	3
MUID 3506	3	MUID 3103	3
MUHL 3303	3	MUID 4820	3
MUID 4604	3	JOUR 3400	3

Semester Totals 15 hrs 15 hrs

Senior Year

MUID 4840	3	MUID 4851	4
MUID 4850	3	MGMT 3510	3
FIR 2220	3	MUID 4898	4
MUID 4899	3	MUHL**	3

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Management (MGMT)

Marketing (MKTG)

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Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)

Music

Applied Music (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and

Appreciation (MUHL)

Music Industry (MUID)

Music Theory and Composition (MUTC)

Sacred Music (MUSA)

College of Education, Health and Human Sciences

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Counseling and Personnel Services (COUN)

Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)

Health and Human Performance (EXSS)

Health and Sport Sciences (HMSE)

Health Promotion (HPRO)

Physical Education Activities (PHED)

Physical Education Teacher Education (PETE)

Sport and Leisure Commerce (SLC)

Sport and Leisure Management (SLS)

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Educational Services (EDSV)

Elementary Education (ELED)

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Leadership (LEAD)

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Engineering (ENGR)

Mechanical Engineering (MECH)

Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

JOUR 3900 3

Semester Totals 15 hrs 14 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

** Choose one: MUHL 4801, 4804, 4805, 4806, 4807

Typical 4-Year Recording Technology Concentration Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH 1830	3	MUID 2201	2
Social/Behavioral Sciences*	3	Social/Behavioral Sciences*	3
MUTC 1008	3	MUAP 1116	1
MUAP 1105	1	MUTC 1009	3
MUAP (applied music)	1	MUTC 1011	1
MUTC 1010	1	MUAP (applied music)	1
		TECH 1811	3
Semester Totals	15 hrs		17 hrs

Sophomore Year

MUTC 2008	3	MUID 4800	4
ENGL 2201 or 2202	3	Music Ensemble	1
TECH 2821	3	MUID 3905	3
MUAP (applied music)	1	MUID 3801	2
MUID 3800	3	MUAP (applied music)	1
Music ensemble	1	MUID 3902	1
MUID 3901	1		
MUTC 2010	1		
Semester Totals	16 hrs		12 hrs

Junior Year

Elective	3	Elective	3
MUID 4811	1	MUID 4833	1
MUID 4822	1	History*	3
MUID 4802	3	MUID 4803	3
MUID 3903	1	MUID 3103	3
Natural Science*	4	MUID 4899	2
MUID 4604	3		
Semester Totals	16 hrs		15 hrs

Senior Year

MUID 4840	3	Natural Science*	4
History*	3	MUHL 3303	3
MUHL**	3	COMM 2381	3

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 University Honors Program (UNHP)
 University of Memphis Libraries (LBRY)
 Interdisciplinary Studies (INTD)

MUID 4850	3	MUID 4898	4
MUID 4830	3		

Semester Totals 15 hrs 14 hrs
Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

** Choose one: MUHL 4801, 4804, 4805, 4806, 4807

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Theatre

Department of Theatre and Dance

The Bachelor of Fine Arts degree is a program specifically designed for students whose certain interests and abilities strongly suggest the potential for pursuing careers as artists in the resident, professional, community, or academic theatre.

To expand the student's creative powers and deepen the commitment to a vocation in the theatre, the B.F.A. program offers the student (1) a basic probing of all the arts and crafts of the theatre; (2) an exploration in depth of one area of special interest; (3) the opportunity to participate creatively as a theatre artist through extensive production experience.

Three concentrations are offered: (1) Performance, (2) Musical Theatre, and (3) Design and Technical Production. A Dance minor is offered. Students entering the B.F.A. program will elect one of these three concentrations. The University of Memphis is an accredited institutional member of the National Association of Schools of Theatre.

Admission and Retention Criteria: Admission to the concentration in Performance or Design and Technical Production is by application; admission to the concentration in Musical Theatre is by audition. To remain in good standing as a major in Theatre, the student must be evaluated through the audition and interview, or portfolio and interview process. Following their audition and interview, or portfolio and interview, applicants will be notified as to whether they have been accepted into the program, accepted for one more semester on a probationary basis, or advised to pursue another degree.

(1) **Performance:** Retention in the Performance concentration is based on a required annual audition and interview. In addition to the interview, the student is expected to present an audition package consisting of two contrasting monologues from plays of distinctly different styles or periods. The total time of the song and monologues may not exceed three minutes.

(2) **Musical Theatre:** Retention in the Musical Theatre concentration is based on a required annual audition and interview. In addition to the interview, the student is expected to present an audition package consisting of monologues from plays, songs from the musical theatre canon, and a demonstration of dance styles specific to the genre. The duration of material to be presented will vary based on the student's standing in the program and is at the discretion of the faculty.

(3) **Design and Technical Production:** Retention in the Design and Technical Production concentration is based on an annual required portfolio review and interview. In addition to the interview, the student is expected to present a portfolio of artistic and production work. This may consist of items including photographs, sketches, costume plates, elevations, lighting plots, ground plans, and audio designs.

The fact must be emphasized that admission to the B.F.A curriculum does not imply a student's permanent tenure in the program. Beyond the audition interview or portfolio review, the student's active participation in the co-curricular activities of the department will be assessed by the theatre and dance faculty. Artistic growth, development of technical facility, and continuing commitment to creative excellence on the part of the student will be evaluated. Permission to continue in the program will be based on this evaluation.

Internship (THEA 4541): The intent of this requirement and course is to provide the student experience in a full-time theatre production situation. Off-campus participation (usually following the junior year) is an essential element of the B.F.A. program. Details are to be planned in advance in conference with the student's advisor.

Transfer of Credit: In certain cases students may be admitted to an advanced level of the B.F.A. program. Such admission will be based upon a departmental advisor's evaluation of previous course work and theatre experience. Even if admitted to an

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Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
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Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

advanced standing, the student will be required to remedy previous course deficiencies.

Advising: Upon application to the B.F.A. program, each student will be assigned a faculty advisor. For this degree, 120 semester hours are required for graduation. A minimum grade of "C-" is required in all departmental courses applicable to the major. The student must maintain an overall grade point average of 2.0. A 2.0 cumulative GPA is required for all courses completed in the major.

Theatre Major (B.F.A.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note that THEA 1030 and THEA 4549 will satisfy the General Education Humanities requirement.

B. The Major (79 hours)

1. Major Core (22 hours)

Completion of THEA 1561 or 2511, 2531, 4 hours of THEA 3601-3609, 4541, 4551, 4582, 4591.

2. Concentrations (57 hours)

a. Performance: THEA 2501, 2532, 3212, 3213, 3412, 3505, 3506, 3531, 3532, 3551, 4457, remaining courses are electives approved by the student's advisor.

b. Musical Theatre: THEA 2501, 2503, 2504, 2532, three hours of 3200, 3212, 3213, 3531, 3551, 4220, 4221, 4223, 4224, 4548, Dance (8).

c. Design and Technical Production: THEA 1561 or 2511, 2512, 3511, 3561, 3562; two hours from among 3601-3609, 4554, 4558; two courses from among 4555, 4556, 4557, 4595; two courses from among 4561, 4562, 4563, 4596; remaining courses are theatre or general education electives approved by the student's advisor.

Theatre Minor

Any student wishing to minor in Theatre should see the administrative secretary who will assign an advisor. The minor must consist of a minimum of 18 hours of approved coursework, 9 of which must be upper division. Coursework for all minors will be determined by the student in conference with the advisor.

Dance Minor

Any student wishing to minor in Dance should see the administrative secretary who will assign an advisor. The minor must consist of a minimum of 18 hours of approved coursework, 9 of which must be upper division. Coursework for all minors will be determined by the student in conference with the advisor.

Typical 4-Year Design and Technical Production Concentration Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH*	3	Social/Behavioral Sciences*	3
History*	3	History*	3
THEA 1030	3	THEA 1561	3
THEA 3601-9	1	THEA 3601-9	1
THEA 2511	3	THEA 2512	3

Semester Totals 16 hrs 16 hrs

Sophomore Year

Natural Science*	4	Natural Science*	4
Social/Behavioral Sciences*	3	COMM 2381	3
THEA 2501	3	THEA 4549	3
ENGL 2201 or 2202	3	THEA 2531	3
THEA 3561	3	THEA 3511	3

Finance (FIR)
Hospitality and Resort Management (HPRM)
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Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

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Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Semester Totals	16 hrs	16 hrs
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Junior Year

THEA 45xx**	3	THEA 45xx**	3
THEA 4554	3	THEA 4558	3
THEA 3562	3	THEA 4551	3
THEA 3412	3	Elective	3
Elective	3	THEA 3601-9	1
THEA 3601-9	1		

Semester Totals	16 hrs	13 hrs
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Senior Year

THEA 45xx**	3	THEA 3601-9	1
THEA 4552	3	THEA 4591	3
Elective	1	THEA 45xx**	3
THEA 4582	3	Elective	3
THEA 4541	3	Elective	3
THEA 3601-9	1		

Semester Totals	14 hrs	13 hrs
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Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**Technology course A or B/ Design Studio A or B

Typical 4-Year Performance Concentration Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
MATH*	3	Natural Science*	4
History*	3	History*	3
THEA 1030	3	THEA 2531	3
THEA 3601-9	1	THEA 3601-9	1
THEA 2511 or 1561	3	Social/Behavioral Sciences *	3

Semester Totals	16 hrs	17 hrs
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Sophomore Year

ENGL 2201 or 2202	3	COMM 2381	3
THEA 3212	3	THEA 3505	3
THEA 2501	3	THEA 3213	3
THEA 2532	3	THEA 3601-9	1
THEA 3601-9	1	THEA 3531	3
THEA 3412	3	Social/Behavioral Sciences*	3

Semester Totals	16 hrs	16 hrs
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Junior Year

THEA 3551	3	Elective	3
Elective	3	THEA 3506	3
THEA 3532	3	Elective	3
THEA 4557	3	THEA 4549	3
Elective	3		

Semester Totals 15 hrs 12 hrs

Senior Year

Elective	3	Elective	3
Natural Science*	4	Elective	3
THEA 4552	3	THEA 4591	3
THEA 4582	3	Elective	3
THEA 4541	6		

Semester Totals 16 hrs 12 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Musical Theatre Concentration Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
THEA 4224	3	Social/Behavioral Sciences*	3
THEA 2503	3	MATH*	3
THEA 1030	3	THEA 2531	3
THEA 2501	1	THEA 3601-9	1
THEA 2511 or 1561	3	History *	3

Semester Totals 16 hrs 16 hrs

Sophomore Year

ENGL 2201 or 2202	3	History*	3
THEA 3212	3	THEA 3200	1
DANC (Ballet)	2	DANC (Ballet)	2
THEA 2532	3	THEA 3213	3
THEA 3601-9	1	THEA 3531	3
THEA 2504	3	COMM 2381	3

Semester Totals 15 hrs 15 hrs

Junior Year

THEA 3200	1	THEA 3200	1
DANC 3826	2	DANC 3827	2
THEA 3601-9	1	THEA 3601-9	1
THEA 4220	3	THEA 4223	3
Elective	3	Elective	3
THEA 3551	3	Social/Behavioral Sciences*	3

Semester Totals 13 hrs 13 hrs

Senior Year

Elective	3	Elective	3
Natural Science*	4	Natural Science*	4
THEA 4552	3	THEA 4591	3
THEA 4541	3	THEA 4548	3
THEA 4582	3	THEA 4549	3

Semester Totals 16 hrs 16 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

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The College of Education, Health and Human Sciences

DONALD I. WAGNER, Ed.D., Dean
Room 215, E.C. Ball Hall
(901) 678-4265
<http://www.memphis.edu/cehhs/>

MARTHA J. ALBERG, Ph.D.
Assistant Dean for P-12 Programs

The College of Education, Health and Human Sciences is dedicated to preparing students for careers in a variety of professional and related occupational areas. In helping the university pursue its three broad objectives of teaching, public service, and research, the College of Education, Health and Human Sciences is committed to the following missions.

The first mission of the College of Education, Health and Human Sciences is to prepare teachers, other licensed school personnel, and educationally related professionals who are qualified and competent in both practice and theory. The second mission is to conduct educational and educationally related research and to engage in the dissemination of the outcomes of that research. The third mission of the college is tightly interwoven with the two preceding missions, that is: to provide teaching, research and service that extends beyond the confines of the campus and to make educational delivery available in its urban setting and at other outreach locations.

The departments in the college value the pursuit and practice of quality teaching and research in a multicultural setting. Specifically, the college actively seeks to foster the advancement of knowledge and pedagogy involved in educational training in school and non-school settings. With a priority on urban related studies, both faculty and students are engaged in timely, diverse experiences of a scholarly nature.

This mission and vision for the College of Education, Health and Human Sciences is embodied in the theme of Educational Leaders. The college seeks to prepare leaders who demonstrate a thorough knowledge of the learning process, skill in instructional planning and delivery, and a disposition to create dynamic learning environments that incorporate multi-cultural knowledge into instructional design and delivery. Multiple performance assessment measures are used to identify what teacher candidates know and can do and their impact on P-12 students based on eleven learning outcomes derived from the Interstate New Teacher Assessment Support Consortium (INTASC) standards for teacher preparation.

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Health and Human Performance

Department of Health and Sport Sciences

Health and Human Performance (B.S.Ed.)

Program objectives for a B.S.Ed. in Health and Human Performance are: (a) to demonstrate critical thinking skills, specifically in the areas of evaluating evidence and understanding sources; (b) to demonstrate proficiency in written and oral communication and computer utilization; (c) to use knowledge of functional anatomy and biomechanics to analyze and evaluate movement and to prescribe exercises to prevent injuries and enhance performance; (d) to recognize risk factors (i.e., cardiovascular, metabolic, musculoskeletal) and their relationship to physical activity, nutrition and other lifestyle behaviors; identify risk factors, which may require consultation with medical or allied health professionals (e) to demonstrate an understanding of principles and research-based guidelines for nutrition, body composition, and weight management when analyzing current status and prescribing desirable changes; (f) to demonstrate understanding of the basic principles of program planning, management, evaluation, and administration of health and wellness programs and facilities; (g) to be able to formulate research questions, collect and analyze data, and make appropriate conclusions based on data results.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Note the following are specified by the department for this major: Natural Science (8 credit hours as a 2 lecture/lab sequence): Dietetics concentration must take CHEM 1110/1111 and 1120/1121; Exercise and Sport Science concentration and Health Promotion and Life Management concentration may select from the following: BIOL 1110/1111, BIOL 1120/1121 or CHEM 1010/1011, 1020/1021, 1110/1111, 1120/1121 or PHYS 2010/2011, 2020/2021. Social/Behavioral Sciences: Health Promotion and Life Style Management and Dietetics must take PSYC 1030.

B. The Major (66-79 hours)

1. Major Core: Minimum grade of "C" required in all major core and concentration courses: BIOL 2010/2011 (4), BIOL 2020/2021 (4), NUTR 2202; HMSE 4999 (HMSE 4999 is an elective for EXSS). A satisfactory (S) grade required for: EXSS 4605 (9) HPRO 4605 (6), or NUTR 4605, plus one of the following concentrations and electives to bring the total for the degree to 120 hours.

2. Concentrations

a. Dietetics (55 hours): NUTR 2102, 2302, 2303 (1), 3002, 3502, 4102, 4112, 4602, 4802, 4803 (1), 4812, CHEM 3310/3301 (4), 3511, EXSS 3700, BIOL 1230/1231 (4), ACCT 2010, MKTG 3010, MGMT 3110, EDPR 4541.

b. Exercise and Sport Science (51 hours): HPRO 2100, EXSS 2004, 2010 (2), 2020 (2), 3020, 3050, 3405, 3603, 3703, 3803, 3450, 4000, 4015, 4603.

c. Health Promotion and Life Style Management (46 hours): ACCT 2010, EDPR 4541, EXSS 2010 (2), 2020 (2), 3700, HPRO 2100, 2200, 3500, 3505, 3522, 3606, 3716, 3800, 4500, 4520, 4530, NUTR 2202.

C. Electives (3-16 hours) selected in consultation with advisor to bring the total number of credit hours to 120.

In some of the above courses, variable hours of supervised laboratory/field experience will be required.

Accelerated B.S.Ed. in Health and Human Performance with a concentration in Exercise and Sport Science/M.S in Health and Sport Science with a concentration in Exercise and Sport Science

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

This program allows outstanding undergraduates to begin the coursework for the Master of Science in Health and Sport Science during their senior year. Students are encouraged to begin planning to enter the Accelerated B.S.Ed./M.S. program early in their undergraduate career, in consultation with their advisor in the Department of Health and Sport Sciences.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.S.Ed. degree while they also begin the coursework toward their M.S.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Health and Sport Sciences department. Each applicant will complete an interview with the graduate academic coordinator in health and sport sciences.

Students must also apply to the Graduate School for the accelerated B.S.Ed./M.S. program, which allows them to take graduate courses in health and sport science. To continue in the program past the B.S.Ed., students must apply for full admission into the Graduate School and into the Health and Sport Sciences department's M.S. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Typical 4-Year Dietetics Concentration Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH*	3	Humanities/Fine Arts*	3
History*	3	PSYC 1030	3
Humanities/Fine Arts*	3	History*	3
CHEM 1110/1111	4	CHEM 1120/1121	4
Semester Totals	16 hrs		16 hrs

Sophomore Year

ENGL 2201 or 2202	3	COMM 2381	3
NUTR 2102	3	SOCI 1010	3
BIOL 2010/2011	4	BIOL 2020/2021	4
NUTR 2202	3	ACCT 2010	3
NUTR 2302	3	Elective	3
NUTR 2303	1		
Semester Totals	17 hr		16 hrs

Junior Year

BIOL 1230/1231	4	NUTR 3002	3
MKTG 3010	3	NUTR 3502	3
CHEM 3310/3301	4	CHEM 3511	3
Elective	3	EXSS 3700	3
Semester Totals	14 hrs		12 hrs

Senior Year

Elective	2	NUTR 4112	3
NUTR 4102	3	Elective	2
NUTR 4802	3	NUTR 4602	3
MGMT 3110	3	NUTR 4605	3

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

NUTR 4812	3	HMSE 4999	3
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NUTR 4803	1		
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Semester Totals	15 hr		14 hrs
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Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Exercise & Sport Science Concentration Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
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Humanities/Fine Arts*	3	HPRO 2100	3
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MATH*	3	Humanities/Fine Arts*	3
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Social/Behavioral Sciences*	3	Natural Sciences*	4
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Natural Sciences*	4	Social/Behavioral Sciences*	3
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Semester Totals	16 hrs		16 hrs
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Sophomore Year

History*	3	BIOL 2020/2021	4
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BIOL 2010/2011	4	COMM 2381	3
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EXSS 2004	3	History*	3
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ENGL 2201 or 2202	3	EXSS 2010	2
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NUTR 2202	3	Elective	3
-----------	---	----------	---

		EXSS 2020	2
--	--	-----------	---

Semester Totals	16 hrs		17 hrs
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Junior Year

EXSS 3050	3	EXSS 3450	3
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EXSS 3405	3	EXSS 3603	3
-----------	---	-----------	---

EXSS 3803	3	EXSS 3703	3
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Elective	3	Elective	4
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Elective	3	EXSS 3020	3
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Semester Totals	15 hrs		16 hrs
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Senior Year

EXSS 4000	3	EXSS 4605	9
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EXSS 4603	3	Elective	3
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Elective	3		
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EXSS 4015	3		
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Semester Totals	12 hrs		12 hrs
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Total Hours: 120

University College

Family and Consumer Science (CSED)

Paralegal Studies (LEGL)

University College (UNIV)

Independent Programs

Orientation Program (ACAD)

University Honors Program (UNHP)

University of Memphis Libraries (LBRY)

Interdisciplinary Studies (INTD)

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Typical 4-Year Health Promotion & Lifestyle Management Concentration Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
Humanities*	3	HPRO 2100	3
MATH*	3	Humanities/Fine Arts*	3
History*	3	Natural Sciences*	4
Natural Science*	4	PSYC 1030	3

Semester Totals 16 hrs 16 hrs

Sophomore Year

History*	3	BIOL 2020/2021	4
BIOL 2010/2011	4	COMM 2381	3
ACCT 2010	3	SOCI 2100	3
ENGL 2201 or 2202	3	EXSS 2010	2
NUTR 2202	3	HPRO 2200	3
		EXSS 2020	2

Semester Totals 16 hrs 17 hrs

Junior Year

HPRO 3800	3	EXSS 3700	3
HPRO 3522	3	HPRO 3606	3
HPRO 3505	3	HPRO 4520	3
Elective	3	Elective	3
HPRO 3500	3	HPRO 3716	3

Semester Totals 15 hrs 15 hrs

Senior Year

HPRO 4500	3	HPRO 4605**	6
HPRO 4530	3	HMSE 4999	3
EDPR 4541	3	Elective	3
Elective	4		

Semester Totals 13 hrs 12 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

** Must show proof of current First Aid and CPR certification before Internship.

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Human Development and Learning

Department of Instruction and Curriculum Leadership

Human Development and Learning Major (B.S.Ed.)

Program objective for a B.S.Ed. in Human Development and Learning are: (a) to promote child development and learning; (b) to build family and community relationships; (c) to observe, document, and assess young children and families; (d) to teach and learn, to design, implement and evaluate experiences that promote positive development and learning for all children.

Successful completion of B.S.Ed. requirements with a major in Human Development and Learning will qualify a person to apply for licensure in Early Childhood Education (PreK-3).

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

Mathematics, 3 hours (MATH 1420); Humanities, 9 hours (ENGL 2201 or ENGL 2202; ART 1030, MUS 1030 or THEA 1030; CLAS 2481, PHIL 1101, PHIL 1102, POLS 1101 or POLS 1102); History, 6 hours [choose one: HIST 2010, HIST 2020, or HIST 2030, choose one: HIST 1110 or HIST 1120]; Social/Behavioral Sciences, 6 hours (choose either ESCI 1301 or ESCI 1401, must take POLS 1030); Natural Science (choose one course from List 1 and one course from List 2), 8 hours List 1 (BIOL 1010/1011, or BIOL 1020/1021); List 2: (PHYS 1010/1001, PHYS 1020/1002, ESCI 1010, ESCI 1020, ESCI 1040, ESCI 1103).

B. Related Liberal Studies (8 hours): EDPR 2111; PETE 3604; ART 3411 or CCFA 3001.

C. The Major (30 hours)

1. Core (24 hours): SPED 2000; SPED 3803; ICL 3333; ENGL 4531; IDT 3600; EDPR 4301; ICL 4001 and ECED 4510.

2. Select one course from each of the following two areas: Race and Ethnicity: SOCI 3401, SOCI 3422, SOCI 4420, or SOCI 4442; Family/Culture/Gender: ANTH 3511, ANTH 4411; HIST 4863, SOCI 3432 or SOCI 4460.

D. Pre-Residency Semester (15 hours) offered in spring

Early Childhood Education (Grades PreK-3 Licensure) must take ECED 3555*; ECED 4005*; ECED 4500*; ECED 4515*; ECED 4540*.

E. Residency I Semester (14 hours) offered in fall

Early Childhood Education (Grades PreK-3 Licensure) must take RDNG 4240*, ECED 4520*, ECED 4530*, and ICL 4914*.

F. Residency II Semester (12 hours) offered in spring

Early Childhood Education (Grades PreK-3 Licensure) must take ICL 4800* and ICL 4902*.

*Requires admission to TEP.

Typical 4-Year Human Development and Learning: PreK-3 Teacher Licensure Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
Humanities*	3	SPED 2000	3

Course Descriptions

College of Arts and Sciences

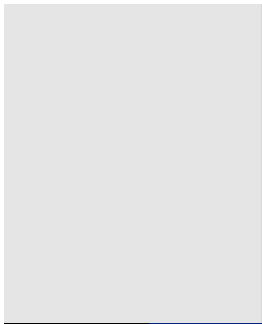
Aerospace Studies (AERO)
 African and African American Studies (AAAS)
 Anthropology (ANTH)
 Biology (BIOL)
 Chemistry (CHEM)
 Computer Science (COMP)
 Criminology and Criminal Justice (CJUS)
 Earth Sciences (ESCI)
 English (ENGL)
 Emergency Management (EMGT)
 Environmental Studies (ENVR)
 Health Administration (HADM)
 History (HIST)
 International Studies (INTL)
 Judaic Studies (JDST)
 Mathematics (MATH)
 Military Science (ARMY)
 Naval Science (NAVY)
 Philosophy (PHIL)
 Physics (PHYS)
 Political Science (POLS)
 Open Learning Fire Services Program (PADM)
 Public and Nonprofit Administration (PADM)
 Psychology (PSYC)
 Religious Studies (RLGN)
 Social Work (SWRK)
 Sociology (SOCI)
 Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
 Chinese (CHIN)
 Classics (CLAS)
 French (FREN)
 German (GERM)
 Greek (GREK)
 Hebrew (HEBR)
 Italian (ITAL)
 Japanese (JAPN)
 Languages and Literature (LALI)
 Latin (LATN)
 Portuguese (PORT)
 Russian (RUSS)
 Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
 Business Administration (BA)
 Supply Chain Management Science (SCMS)
 Economics (ECON)



University College

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Integrative Studies

Department of Instruction and Curriculum Leadership

Integrative Studies (B.S.Ed.)

Program objectives for a B.S.Ed. in Integrative Studies are: (a) to understand how learning occurs, how students construct knowledge and acquire skills, and knows how to provide learning opportunities that support their intellectual, social, and personal development; (b) to adapt instructional techniques to middle school students of diverse cultural and language backgrounds and to students who have exceptional learning needs. The Integrative Studies major has two concentrations: 1. Society Services, a non-licensure concentration, does not require admittance to the Teacher Education Program (TEP), nor does it require a 2.75 grade point average to be accepted to or remain in the concentration. It does, however, require a 2.25 grade point average, C- or better in all courses in the major, and 45 upper-division hours for graduation. 2. Middle Grades, a teacher licensure concentration for grades 4-8, requires a 2.75 grade point average to be accepted to and remain in the TEP, and successful completion of all requirements for the concentration. See <http://www.memphis.edu/tep> for the most current licensure requirements.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

NOTE: The following University General Education Program requirements are specified by the department for this major: Mathematics (3 hours): MATH 1420; Humanities/Fine Arts (9 hours) ENGL 2201 or ENGL 2202; ART 1030 or MUS 1030 or THEA 1030; CLAS 2481; PHIL 1101 or 1102; POLS 1101 or 1102; History (6 hours) HIST 2010, HIST 2020, HIST 2030; Society Services concentration can take HIST 1110 or HIST 1120; Social/Behavioral Sciences (6 hours) ESCI 1301 or ESCI 1401; POLS 1030; Natural Sciences (8 hours) BIOL 1010/1011; ESCI 1010. Society Services concentration can take any approved general education natural science.

B. Major (8 hours): EDPR 3302; PETE 3604; ENGL 4531.

C. Concentrations (71 hours):

1. Society Services (Non-Licensure) (41 hours). SPED 2000; PSYC 1030; SOCI 1010; ICL 4001; IDT 3600; ENGL 3500, 3401; MATH 1480; 2 upper-division electives; History: Choose one course from the following courses: ANTH 3511; ANTH 4411; HIST 4831; HIST 4863; HIST 4871; SOCI 4631; SOCI 3422; SOCI 4442; Fine Arts: Select one from type not taken under general education choices: ART 1030, MUS 1030 or THEA 1030.

Professional Education (30 hours). Choose 10 courses recommended from the following disciplines: Education, Psychology, History, Communication, Management, Counseling, Social Work, Sociology, Anthropology, Family & Consumer Science, English, and Sport & Leisure Management.

2. Middle Grades -- Leading to Middle Grades 4-8 Licensure

Related Liberal Studies (6 hours): SPED 2000, IDT 3600.

Major Core (27 hours): PHYS 1020; CHEM 1010 or BIOL 1020; HIST 1110 and 1120; MATH 1480, 1530, 1710, 1720, and 1830.

Professional Education (9 hours): Requires admission to TEP: RDNG 4241, ICL 4002 and ICL 3333.

Residency I Semester (17 hours) offered in fall: Leading to Middle Grades 4-8 Licensure: ICL 4003, ICL 4004, ICL 4005, ICL 4006, and ICL 4914.

Residency II Semester (12 hours) offered in spring: Leading to Middle Grades 4-8

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

Licensure: ICL 4913 and ICL 4800.

Typical 4-Year Integrative Studies

Middle Grades 4-8 Licensure Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH 1420	3	SPED 2000	3
Social/Behavioral Science Selective	3	MATH 1480	3
Fine Art*	3	U S History	3
Humanities*	3	BIOL 1010/1011	4
Semester Totals	15 hrs		16 hrs

Sophomore Year

ENGL 2201 or 2202	3	HIST 1110	3
EDPR 3302	3	Social/Behavioral Science Selective	3
U S History	3	ESCI 1010	4
COMM 2381	3	MATH 1720	3
MATH 1710	3	IDT 3600	3
Semester Totals	15 hrs		16 hrs

Junior Year

PETE 3604	2	MATH 1830	3
MATH 1530	3	ICL 4002	3
ENGL 4531	3	RDNG 4241	3
PHYS 1020	3	CHEM 1010 or BIOL 1020	3
HIST 1120	3	ICL 3333	3
Semester Totals	14 hrs		15 hrs

Senior Year

ICL 4003	3	ICL 4913	9
ICL 4004	3	ICL 4800	3
ICL 4005	3		
ICL 4006	3		
ICL 4914	5		
Semester Totals	17 hrs	12 hrs	

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

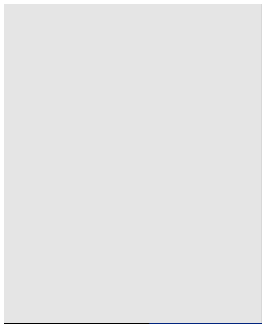
Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)



University College

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Physical Education Teacher Education

Department of Health and Sport Sciences

Physical Education Teacher Education Major (B.S.Ed.)

A. University General Education Program (41 hours)

Program objectives for a B.S.Ed. in Physical Education Teacher Education are: (a) to identify critical elements of motor skill performance, and combine motor skills into appropriate sequences for the purpose of improving learning; (b) to demonstrate competent motor skill performance in a variety of physical activities; (c) to describe performance concepts and strategies related to skillful movement and physical activity (e.g., fitness principles, game tactics, skill improvement principles); (d) to describe and apply bioscience (anatomical, physiological, and biomechanical) and psychological concepts to skillful movement, physical activity, and fitness; (e) to understand and debate current physical education/activity issues and laws based on historical, philosophical, and sociological perspectives; (f) to demonstrate knowledge of approved state and national content standards and local program goals in schools and community settings.

See [Graduation from the University](#) for the University General Education Program requirements.

Note the following is specified by the department for this major: Social/Behavioral Sciences: PSYC 1030.

B. The Major (79 hours)

1. K-12 Physical Education Option is designed for students who wish to become licensed teachers and work in K-12 school settings. This option culminates in a school-based student teaching experience. Only graduates who successfully complete all requirements for this option in the B.S.Ed. program with a major in Physical Education Teacher Education will be fully qualified to apply for licensure in Physical Education (K-12). Minimum grade of "C" is required in all major courses: MATH 1420; EDPR 2111; EXSS 2010 (2), 2020 (2), 3700, 3405, 3853; HPRO 2100; IDT 3600; ICL 3333; PETE 2000 (2), 2002 (4), 2003 (4), 2006 (2), 2009 (2), 2500, 3307; 3308, 3800, 4201, 4301, 4401, 4501 (5), 4601, 4701(9); and one of the following: PHED 1713, 1722, or 2703.

2. Community Physical Education Option is an alternative designed for students who wish to teach and work in community-based youth serving agencies. The majority of pedagogy and general education courses required in this option are the same as those required in the K-12 Physical Education Option listed above. However, specific course substitutions allow students to specialize in community settings, and gain more knowledge and skill related to the design, implementation and evaluation of community-based programs, as well as the unique challenges and opportunities encountered in urban communities. Minimum grade of "C" is required in all major courses.

Typical 4-Year Physical Education Teacher Education (K-12) Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
MATH 1420*	3	History*	3
Social/Behavioral Sciences*	3	PSYC 1030	3
Humanities/Fine Arts*	3	Humanities*	3

Semester Totals	16 hrs	16
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Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

hrs

Sophomore Year

PETE 2000	2	PETE 2006	2
PETE 2009	2	PETE 2002	4
PETE 2003	4	EDPR 2111	3
EXSS 2010	2	EXSS 2020	2
COMM 2381	3	PETE 2500	3
HPRO 2100	3	PETE 3308	3

Semester Totals 16 hrs 17 hrs

Junior Year

IDT 3600	3	PETE 3800	3
PHED 1713**	2	EXSS 3700***	3
ICL 3333***	3	ENGL 2201 or 2202	3
PETE 3307	3	History*	3
EXSS 3405***	3	EXSS 3853	3

Semester Totals 14 hrs 15 hrs

Senior Year

PETE 4501***	5	PETE 4601***	3
PETE 4201***	3	PETE 4701***	9
PETE 4301***	3		
PETE 4401***	3		

Semester Totals 14 hrs 12 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**Swimming credit can be substituted with advanced courses in swimming. For the Community Physical Education Option, four additional hours of PHED coursework are required. These hours do not duplicate fulfillment of the swimming requirement noted above.

***For the Community Physical Education Option, substitutions are made for these courses. A list of approved upper-division course substitutions is available from the department.

CPR Certification required for Student Teaching. Course not required but advised.

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

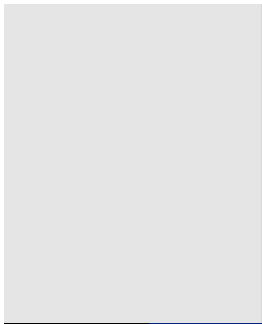
Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
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Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)



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Sport and Leisure Management

Department of Health and Sport Sciences

Sport and Leisure Management Major (B.S.Ed.)

Program objectives of the B.S.Ed. in Sport and Leisure Management are: (a) to become involved in the profession and committed to the academic, service, and social mission of the profession; (b) to demonstrate an awareness of the critical role of diversity to the delivery of inclusive sport and leisure services; (c) to demonstrate effective leadership within the sport and leisure profession; and (d) to behave in accordance with the ethical standards of the sport and leisure profession.

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. The following are recommended or required for the major:

Social/Behavioral Sciences: CSED 2101 is recommended; ECON 2010 is required.

B. The Major (79 hours)

1. Core requirements (43 hours). (Minimum grade of "C-" required in all major courses); SLS 2105 (4), 3104, 3105, 3204, 3605, 3650, 4135, 4155, 4205, 4500, 4605 (12).

2. SLS electives (15-36 hours). Includes all SLS courses not required in the major core.

3. General Electives (0-21 hours) to bring the total number of hours to 120.

Accelerated B.S.Ed. in Sport and Leisure Management with a concentration in Sport and Leisure Management/M.S in Health and Sport Science with a concentration in Sport and Leisure Management

This program allows outstanding undergraduates to begin the coursework for the Master of Science in Sport and Leisure Management during their senior year. Students are encouraged to begin planning to enter the Accelerated B.S.Ed./M.S. program early in their undergraduate career, in consultation with their advisor in the Department of Health and Sport Sciences.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.S.Ed. degree while they also begin the coursework toward their M.S.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Health and Sport Sciences department. Each applicant will complete an interview with the graduate academic coordinator in health and sport sciences.

Students must also apply to the Graduate School for the accelerated B.S.Ed./M.S. program, which allows them to take graduate courses in health and sport science. To continue in the program past the B.S.Ed., students must apply for full admission into the Graduate School and into the Health and Sport Sciences department's M.S. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Typical 4-Year Sport and Leisure Management Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
Social/Behavioral Sciences*	3	Natural Science/Lab*	4

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

MATH*	3	Humanities/Fine Arts*	3
Humanities/Fine Arts*	3	COMM 2381	3
Elective	3	History*	3
Semester Totals	15 hrs		16 hrs

Sophomore Year

ENGL 2201 or 2202	3	ECON 2010	3
SLS 2105	4	History*	3
SLS elective	3	SLS 3204	3
Natural Science/Lab*	4	SLS elective	3
		Elective	3
Semester Totals	14 hrs		15 hrs

Junior Year

SLS 3104	3	Elective	3
SLS 3105	3	SLS 4205	3
SLS 3605	3	SLS 3650	3
Elective	3	SLS 4135	3
Elective	3	SLS elective	3

Semester Totals	15 hrs		15 hrs
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Senior Year

SLS elective	3	SLS 4605	12
SLS 4155	3	Elective	3
SLS 4500	3		
SLS elective	3		
Elective	3		

Semester Totals	15 hrs		15 hrs
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Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

Finance (FIR)
 Hospitality and Resort Management (HPRM)
 Management Information Systems (MIS)
 Management (MGMT)
 Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
 Art (ART)
 Art History (ARTH)
 Communication (COMM)
 Communication/Fine Arts (CCFA)
 Dance (DANC)
 Interior Design (IDES)
 Journalism (JOUR)
 Theatre (THEA)

Music

Applied Music (MUAP)
 Music Appreciation (MUS)
 Music Education (MUSE)
 Music History, Literature, and Appreciation (MUHL)
 Music Industry (MUID)
 Music Theory and Composition (MUTC)
 Sacred Music (MUSA)

College of Education, Health and Human Sciences**Counseling, Educational Psychology and Research**

Counseling and Personnel Services (COUN)
 Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
 Health and Human Performance (EXSS)
 Health and Sport Sciences (HMSE)
 Health Promotion (HPRO)
 Physical Education Activities (PHED)
 Physical Education Teacher Education (PETE)
 Sport and Leisure Commerce (SLC)
 Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

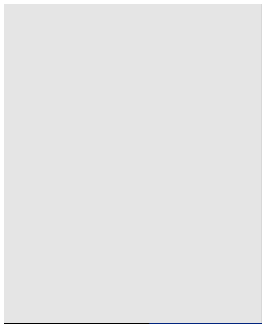
Early Childhood Education (ECED)
 Educational Services (EDSV)
 Elementary Education (ELED)
 Instruction and Curriculum Leadership (ICL)
 Instructional Design and Technology (IDT)
 Leadership (LEAD)
 Reading (RDNG)
 Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
 Civil Engineering (CIVL)
 Electrical and Computer Engineering (EECE)
 Engineering (ENGR)
 Mechanical Engineering (MECH)
 Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)



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Teaching All Learners

Teaching All Learners (leading to Elementary K-6 and Special Education Modified K-12 licensure)

Department of Instruction and Curriculum Leadership

Program objectives for a B.S.Ed. in Teaching All Learners are: (a) to understand how learning occurs, how students construct knowledge and acquire skill, and to provide learning opportunities that support students' intellectual, social, and personal development; (b) to adapt instructional techniques to students of diverse cultural and language backgrounds and those with exceptional learning needs.

Successful completion of B.S.Ed. requirements with a major in Teaching All Learners will qualify a person to apply for licensure in Elementary (K-6) and/or Special Education Modified (K-12). All candidates must complete program requirements and will be eligible for either one or both licensure areas. Consult an advisor in the College of Education, Health and Human Sciences.

Teaching All Learners (leading to Elementary K-6 and Special Education Modified K-12 licensure) (B.S.Ed.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for the University General Education Program requirements.

The following University General Education Program requirements are specified by the department for this major:

Humanities/Fine Arts: ENGL 2201 or ENGL 2202, ART 1030 or MUS 1030 or THEA 1030; Recommended is CLAS 2481, PHIL 1101, PHIL 1102, POLS 1101, or POLS 1102; Social/Behavioral Sciences: POLS 1030; Choose either ESCI 1301 or ESCI 1401; History: Choose either HIST 2010, HIST 2020, or HIST 2030, Choose either HIST 1110 or HIST 1120; Natural Sciences: Choose one from list 1 and choose one from list 2—List 1: BIOL 1010/BIOL 1011 or BIOL 1020/BIOL 1021; List 2: ESCI 1010, ESCI 1020, ESCI 1040, ESCI 1103, PHYS 1010/PHYS 1001, or PHYS 1020/PHYS 1002.

B. Related Liberal Studies (8 hours):

EDPR 2111; IDT 3600; PETE 3604.

C. Major Core (18 hours):

Major core for Teaching All Learners: SPED 2000, MATH 1480, MATH 2015, ICL 3333, ICL 4001, and ENGL 4531.

D. Professional Education (12 hours):

Teaching All Learners (Elementary (K-6) / Special Education Modified):

SPED 3802, SPED 3803, ELED 3242, RDNG 4240*

E. Pre-residency Semester (15 hours), offered in spring

Elementary/Special Education Modified Licensure: RDNG 4241*, SPED 3800*, ELED 3271*, ICL 4020*, and ICL 4021*.

F. Residency I Semester (14 hours), offered in fall

Elementary/Special Education Modified Licensure: ELED 3251*, ELED 3261*, ICL 4914*, and SPED 3804*.

G. Residency II Semester (12 hours), offered in spring

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

Elementary/Special Education Modified Licensure: ICL 4906* and ICL 4800*.

*Requires admission to TEP.

NOTE: Several courses are taken as corequisites. Please refer to the latest degree plan and course descriptions for specifics.

Typical 4-Year Sequence for Teaching All Learners: Elementary Education (K-6) and Special Education Modified (K-12) Licensure

Freshman Year

ENGL 1010*	3	ENGL 1020*	3
ART 1030 or MUS 1030 or THEA 1030*	3	MATH 1480*	3
MATH 1420	3	Social/Behavioral Science Selective*	3
EDPR 2111	3	History Selective*	3
Humanities/Fine Arts*	3	SPED 2000	3

Semester Totals 15 hrs 15 hrs

Sophomore Year

COMM 2381*	3	ELED 3242	3
ENGL 2201 or 2202*	3	Social/Behavioral Science Selective*	3
HIST Selective	3	Natural Science Selective	4
MATH 2015	3	IDT 3600	3
Natural Science Selective	4	ENGL 4531	3

Semester Totals 16 hrs 16 hrs

Junior Year

ICL 4001	3	SPED 3800	3
SPED 3803	3	ICL 4021	3
ICL 3333	3	ELED 3271	3
PETE 3604	2	RDNG 4241	3
SPED 3802	3	ICL 4020	3
RDNG 4240	3		

Semester Totals 17 hrs 15 hrs

Senior Year (Residency Year)

ELED 3251	3	ICL 4906	9
ELED 3261	3	ICL 4800	3
ICL 4914	5		
SPED 3804	3		

Semester Totals 14 hrs 12 hrs

Total Hours Required for Graduation: 120

*Must satisfy General Education Program Requirements

Add-on endorsement in Special Education Comprehensive licensure (K-12)

SPED 4000
SPED 4001
SPED 4601

Finance (FIR)

Hospitality and Resort Management
(HPRM)

Management Information Systems (MIS)

Management (MGMT)

Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)

Art (ART)

Art History (ARTH)

Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)

Music

Applied Music (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and

Appreciation (MUHL)

Music Industry (MUID)

Music Theory and Composition (MUTC)

Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and
Research

Counseling and Personnel Services
(COUN)

Educational Psychology and Research
(EDPR)

Health and Sport Sciences

Dietetics (NUTR)

Health and Human Performance (EXSS)

Health and Sport Sciences (HMSE)

Health Promotion (HPRO)

Physical Education Activities (PHED)

Physical Education Teacher Education
(PETE)

Sport and Leisure Commerce (SLC)

Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)

Educational Services (EDSV)

Elementary Education (ELED)

Instruction and Curriculum Leadership
(ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)

Civil Engineering (CIVL)

Electrical and Computer Engineering
(EECE)

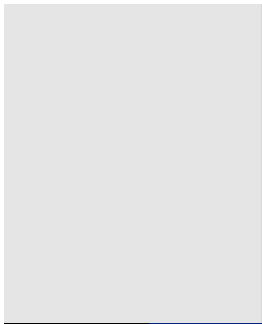
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Mechanical Engineering (MECH)

Technology (TECH)

Loewenberg School of Nursing

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Calendar 2013 - 2014		
Degree Program and Planning	Eugene Eckstein, Ph.D., Interim Dean Room 201-D, Engineering Building (901) 678-2171 http://www.engr.memphis.edu	
Description of the University		
Services to Students	PURPOSES	
Expenses	The mission of the Herff College of Engineering is to provide quality teaching, research, and service programs to the citizens of the state, region and nation. The College provides undergraduate programs in biomedical, civil, computer, electrical, and mechanical engineering, and in engineering technology. Graduate programs are offered in all of the disciplines listed above. Each curriculum is designed to prepare students for practice of the profession in industry, government, or academic institutions. Considerable effort is directed toward breadth as well as depth to provide programs of highest quality.	
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Biomedical Engineering

Department of Biomedical Engineering

Biomedical Engineering is a broad field that encompasses many areas related to improving human health such as implant devices, tissue engineering/regeneration, electrophysiological signaling, and biosensors and imaging technologies for the prevention, detection, diagnosis, and treatment of diseases. The program integrates physical, chemical, mathematical, and computational sciences and engineering with biology and medicine.

The curriculum is designed to prepare graduates for professional practice and to provide a foundation for lifelong learning and professional growth. The course of study begins with a strong foundation in mathematics, physics, chemistry, biology, and engineering sciences. Departmental courses during these years build on these foundations to integrate topics into knowledge in biomedical engineering. The upper division years include a block of twenty-six hours (noted as BIOM, Engineering and Technical electives in the typical sequence below) to allow students, with advisor's assistance, the means to tailor study in a focused portion of the discipline and its supporting fields as desired. The elective hours must be upper division courses. Concepts and efforts in engineering design occur throughout the curriculum and culminate in a senior design project.

The educational objectives* of the Biomedical Engineering undergraduate program are:

1. graduates will be prepared for employment as biomedical engineers in industries serving or related to health professions;
2. graduates will be prepared to pursue professional studies;
3. graduates will engage in activities that provide continuing self-development in biomedical engineering and related careers.

* adopted 2 February 2006

The diversity encountered in the profession requires the successful biomedical engineer to have technical and non-technical skills, especially for communication and team efforts. Courses in the humanities and social sciences enhance non-technical skills, and explore the engineer's relationship with, and responsibility to, society. Studies in the sciences and other engineering disciplines enable quicker, sure communication and evaluation when total solutions are sought by multidisciplinary efforts. Materials in engineering ethics and professionalism are essential because our graduates and the field expect to enrich life and provide solutions with known benefits and defined risks.

This curriculum equips typical Biomedical Engineering graduates of the University of Memphis with the skills and perspectives required for success in a variety of professional roles. These include the ability to conduct project design work, to manage projects, to interact successfully with the public, and to pursue advanced study, engineering, business, medicine, law, or other fields if so desired.

ADMISSION: Admission to the university will allow a student to be in a pre-biomedical engineering major. Movement into the major requires completion of the courses listed below with a minimum grade of "C" in each of these courses.

MATH 1910, BIOM 1710, BIOM 1720, PHYS 2110 and ENGL 1010.

Monitoring of a student's progress will be performed by the Herff College of Engineering academic advisor. A student will not be forwarded to the academic department for advising until these courses have been satisfactorily completed.

Biomedical Engineering (B.S.B.E.)

A. University General Education Program (36 hours)

See [Graduation from the University](#) for University General Education Program requirements. Note the following requirements are specified for this program:

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
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[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
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[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

Communication: ENGL 3603 instead of COMM 2381; Mathematics: MATH 1910 (students who have not had MATH 1730 or its equivalent must take it before enrolling MATH 1910). Social/Behavioral Sciences: ECON 2110 must be taken in addition to 3 hours from the other specified choices; Natural Science: PHYS 2110/2111, 2120/2121. History: American history waived for B.S.B.E. students who have completed one unit of American history in high school.

B. College and Degree Requirements (23 hours)

Mathematics (11 hours): MATH 1920, 2110, and 3120.

Natural Science (8 hours): CHEM 1110/1111; BIOL 1110/1111.

Collateral Courses (4 hours): EECE 2201/2203 or EECE 2283/2281.

C. The Major (69 hours)

1. Completion of 41 hours from BIOM 1710, 1720, 2710 (4), 2720, 2820 (4), 3710, 4760, 4780; CHEM 1120/1121; BIOL 1120, BIOL 2011 (1) or BIOL 2021 (1); BIOL 3730 (4); MECH 3320.

2. Completion of 28 hours of BIOM, Engineering and Technical electives approved by the advisor. At least 7 hours must be satisfied with BIOM electives. Twelve hours of electives must be chosen from upper division engineering courses. Six hours of technical electives may be chosen from upper division courses in BIOL, BIOM, CHEM, EECE, MATH, MECH and PHYS. The remaining 3 hours must be chosen from engineering or upper-division courses in BIOL. Courses at this level in other departments can be chosen with permission of the chair or the chair's designee. Some courses to meet these requirements are: BIOM 4720 (4), 4730 (4), 4750 (4), 4702, 4205; CHEM 3301 (1), 3311; EECE 3202, 3211, 3213 (1), 3221, 3240, 4270 (4); MATH 3242, 4391, 4721; BIOL 3130, 4511; MECH 3311, 3322, 3325 (1), 3331, 3335 (1), PHYS 3010, 3011.

Accelerated B.S.B.E./M.S. Program in Biomedical Engineering

This program allows outstanding undergraduates to begin the coursework for the Master of Science in Biomedical Engineering during their senior year. Students are encouraged to begin planning to enter the Accelerated B.S.B.E./M.S. program early in their undergraduate career, in consultation with their advisor in the Department of Biomedical Engineering.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.S.B.E. degree while they also begin the coursework toward their M.S.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Biomedical Engineering department. Each applicant will complete an interview with the graduate academic coordinator in biomedical engineering.

Students must also apply to the Graduate School for the accelerated B.S.B.E./M.S. program, which allows them to take graduate courses in biomedical engineering. To continue in the program past the B.S.B.E., students must apply for full admission into the Graduate School and into the Biomedical Engineering department's M.S. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Typical 4-Year Biomedical Engineering Sequence

Freshman Year

ENGL 1010	3	PHYS 2110/2111	4
CHEM 1110/1111	4	CHEM 1120/1121	4
MATH 1910	4	MATH 1920	4
BIOM 1710	3	BIOM 1720	3
		ENGL 1020	3

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Semester Totals	14 hrs		18 hrs
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Sophomore Year

BIOL 1110/1111	4	MATH 3120	3
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MATH 2110	4	BIOL 1120	3
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PHYS 2120/2121	4	BIOL 2011	1
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BIOM 2720	3	BIOM 2810	4
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		EECE 2201/2203 or 2283/2281	4
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		ENGL 2201 or 2202	3
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Semester Totals	15 hrs		18 hrs
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Junior Year

BIOM 2710	4	MECH 3320	3
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ECON 2110	3	ENGL 3603	3
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BIOL 3730	4	BIOM 3710	3
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Engineering elective (MECH 2332) or BIOL elective	3	Engineering elective	3
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Engineering elective	3	Tech elective	3
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		Social/Behavioral Sciences*	3
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Semester Totals	17 hrs		18 hrs
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Senior Year

BIOM 4760	3	BIOM 4780	3
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Humanities/Fine Arts*	3	BIOM Elec	4
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BIOM Elec	3	Engr Elec	3
-----------	---	-----------	---

Tech elective	3	Humanities/Fine Arts*	3
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Engineering elective	3		
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University College

Family and Consumer Science (CSED)

Paralegal Studies (LEGL)

University College (UNIV)

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University Honors Program (UNHP)

University of Memphis Libraries (LBRY)

Interdisciplinary Studies (INTD)

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Civil Engineering

Department of Civil Engineering

The Civil Engineering program is designed to equip students with the knowledge and skills required to identify and solve the technical problems of society in a practical and ethical way. The faculty are committed to teaching, inspiring, and mentoring students who will meet the following objectives: (1) our graduates will meet or exceed the expectations of employers; (2) our graduates will be prepared to pursue and obtain professional licenses; (3) our graduates will be prepared to pursue advanced degrees in engineering and other professional fields.

Civil engineering graduates will engage in a broad range of self-development activities that benefit the civil engineering profession and the community. The civil engineering program is greatly enhanced by a diverse student body spanning a wide range of ages, backgrounds, and nationalities.

The Civil Engineering program of study provides an integrated educational experience that combines study in basic and engineering science, the humanities, and the social sciences with practical experience in laboratory experimentation, problem solving, and engineering design. Students may pursue a general course of study or may elect to specialize in water resources or one of the following concentrations: environmental, structural, geotechnical, transportation, or construction engineering.

ADMISSION: Admission to the university will allow a student to be in a pre-civil engineering major. Movement into the major requires completion of the courses listed below with a minimum grade of "C" in each of these courses.

MATH 1910, CHEM 1110, CIVL 1101, CIVL 1112, and ENGL 1010

Monitoring of a student's progress will be performed by the Herff College of Engineering academic advisor. A student will not be forwarded to the academic department for advising until these courses have been satisfactorily completed.

Pre-civil engineering majors may not register for CIVL courses at or above the 3000-level. Exceptions to these criteria are at the discretion of the department chair.

GRADUATION: To qualify for the degree of Bachelor of Science in Civil Engineering, a student must satisfy general university and college requirements, have a minimum grade of "C" in all civil engineering courses that are applied toward the degree, all science and mathematics courses that are applied toward the degree, and complete the course sequence outlined below. For credits transferred from another institution, only those civil engineering, science, and mathematics courses with a minimum grade of "C" may be applied toward the degree. Waiver of departmental graduation requirements for exceptional circumstances will be granted only upon approval of both the department chair and the Dean of the College of Engineering (or designee).

HONORS PROGRAM: Students are eligible for the honors program in Civil Engineering if they have an minimum overall GPA of 3.25 with a junior or senior standing or have received approval of the departmental honors committee. The honors program in civil engineering requires 12 hours of upper division honors courses. Those students who complete the program and the regular B.S.C.E. requirements will be recognized at the commencement ceremony by having their degree conferred "With Honors in Civil Engineering." Moreover, the student's diploma and record at the University of Memphis will reflect this accomplishment. Details concerning this program and honors course offerings are available in the Department of Civil Engineering.

Accelerated B.S.C.E./M.S. Program in Civil Engineering

This program allows outstanding undergraduates to begin the coursework for the Master of Science in Civil Engineering during their senior year. Students are encouraged to begin planning to enter the Accelerated B.S.C.E./M.S. program early in their

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

undergraduate career, in consultation with their advisor in the Department of Civil Engineering.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.S.C.E. degree while they also begin the coursework toward their M.S.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Civil Engineering department. Each applicant will complete an interview with the graduate academic coordinator in civil engineering.

Students must also apply to the Graduate School for the accelerated B.S.C.E./M.S. program, which allows them to take graduate courses in civil engineering. To continue in the program past the B.S.C.E., students must apply for full admission into the Graduate School and into the Civil Engineering department's M.S. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Civil Engineering Major (B.S.C.E.)

A. University General Education Program (36 hours)

See [Graduation from the University](#) for University General Education Program requirements. Note the following requirements are specified for this program: Communication: ENGL 3603 instead of COMM 2381; Mathematics: MATH 1910 (students who have not had MATH 1730 or its equivalent must take it before enrolling MATH 1910). Natural Science: PHYS 2110/2111, 2120/2121. History: waived for B.S.C.E. students who have completed one unit of American history in high school.

B. College and Degree Requirements (28 hours)

Mathematics: MATH 1920, 2110, and 3120; Natural Science: CHEM 1110/1111; and one of the following: BIOL 1110/1111, ESCI 1040, or ESCI 1103.

Collateral Courses: EECE 2201 or MECH 3311; MECH 2332.

C. The Major (64 hours)

1. Completion of CIVL 1101, 1112, 2101, 2107, 2131, 3103, 3121, 3131 or 4135, 3137, 3140 (4), 4151 (4), 3161, 3180, 3181, 3182 (1), 3322, 3325 (1), 4111, 4195 (2), 4197 (1), 4199.

2. Nine hours of civil engineering electives approved by an advisor and selected from Group 1 and Group 2 electives, with no more than 3 hours from Group 1.

a. Group 1 Electives: CIVL 4122, 4171, and an approved upper-division civil, electrical, or mechanical engineering course;

b. Group 2 Electives: CIVL 4131, 4135 or 3131, 4136, 4140, 4143, 4144, 4149, 4152, 4162, 4163, 4164, 4180, 4190, 4191, and 4900-10.

A student may select courses from the following concentrations to satisfy civil engineering elective requirements. If the student declares a concentration, a minimum of 9 hours from that concentration area is required.

1. Construction Engineering: CIVL 4164, 4171, 4191
2. Environmental Engineering: CIVL 4140, 4143, 4144, 4149, 4180, 4191.
3. Geotechnical Engineering: CIVL 4152, 4171, 4191.
4. Structural Engineering: CIVL 4131, 4135 or 3131, 4136, 4152, 4191, 4122.
5. Transportation Engineering: CIVL 4162, 4163, 4164, 4191.

Typical 4-Year Civil Engineering Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH 1910	4	MATH 1920	4
CIVL 1101	3	CIVL 1112	3
CHEM 1110/1111	4	PHYS 2110/2111	4

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Physical Science 4

Semester Totals	14 hrs		18 hrs
Sophomore Year			
ENGL 2201 or 2202	3	CIVL 2107	3
MATH 2110	4	Social/Behavioral Sciences*	3
PHYS 2120/2121	4	EECE or MECH	3
CIVL 2101	3	MATH 3120	3
CIVL 2131	3	MECH 2332	3
		CIVL 3322	3
Semester Totals	17 hrs		18 hrs

Junior Year

CIVL 3137	3	CIVL 3131 or 4135	3
CIVL 3325	1	CIVL 3161	3
CIVL 3180	3	CIVL 3140	4
CIVL 3121	3	ENGL 3603	3
Humanities/Fine Arts*	3	CIVL 4151	4
CIVL 3103	3	CIVL 3182	1
Semester Totals	16 hrs		18 hrs

Senior Year

CIVL 3181	3	CIVL 4111	3
Social/Behavioral Sciences*	3	CIVL 4199	3
CIVL 4195	2	CIVL elective (Grp 1 or 2)	3
CIVL 4197	1		
CIVL elective (Grp 2)	3	CIVL elective (Grp 2)	3
Humanities/Fine Arts*	3		
Semester Totals	15 hrs		12 hrs

Total Hours: 128

Total Hours Required for Graduation: 128

Must satisfy University General Education Program Requirement*University College**

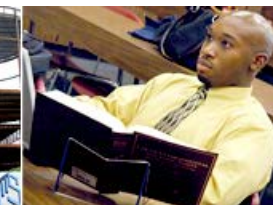
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Computer Engineering

Department of Electrical and Computer Engineering

The educational objectives of the Computer Engineering program are consistent with the mission of the University of Memphis. The program is designed to provide students satisfying, robust, and quality education in Computer Engineering, leading to professional employment and/or graduate level education.

The program educational objectives are that graduates will have

- secured employment in Electrical or Computer Engineering or related fields;
- advanced their careers as measured by promotions, salaries, career satisfaction, positions of leadership, awards, recognitions, entrepreneurial activities, development of products or process, patents, and/or publications;
- continued to learn new knowledge and to acquire new expertise as measured by post-graduate education, continuing education, and/or professional registration;
- contributed to society and the profession as measured by professional service, community service, and/or public service.

In pursuit of these objectives, students enrolled in Computer Engineering are offered a curriculum designed to provide a thorough background and understanding of the theoretical and physical principles of computer hardware and software. The intent of the program is to produce graduates who can apply concepts and techniques of mathematics and physics to a variety of analysis and design applications in Computer Engineering. In addition, graduates are prepared to communicate their ideas succinctly and clearly in both oral and written presentations.

Laboratory facilities are available for a wide variety of instructional and research activities. Significant laboratory activity is required in the curriculum.

Career opportunities include positions in development and design, research, sales, management, manufacturing, and information systems. Some of the technical areas of opportunity are related to computer application, information systems and technology, mobile communications and devices, software development, and computer hardware design and development. An undergraduate student, with approval of the department chair, may select electives that satisfy the course entrance requirements for medical school.

HONORS PROGRAM: Students are eligible for the honors program in computer engineering if they have and maintain a cumulative GPA of 3.4 with at least junior standing and have received approval of the departmental honors committee. The honors program in Computer Engineering requires a minimum of 8 hours of honors courses in Computer Engineering and must include the completion of an honors thesis (EECE 4999). Those students who complete the program and the regular B.S.C.P.E. requirements will be recognized at the commencement ceremony by having their degree conferred "With Honors in Computer Engineering." Moreover, the student's diploma and record at the University of Memphis will reflect this accomplishment. Details concerning this program and honors course offerings are available in the Department of Electrical and Computer Engineering.

ADMISSION: Admission to the university will allow a student to be in a pre-computer engineering major. Movement into the major requires completion of the courses listed below with a minimum grade of "C" in each of these courses.

MATH 1910, CHEM 1110, PHYS 2110, EECE 1202, COMP 1900 or EECE 1206, and ENGL 1010

Monitoring of a student's progress will be performed by the Herff College of Engineering academic advisor. A student will not be forwarded to the academic department for advising until these courses have been satisfactorily completed.

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management \(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
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[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

Pre-computer engineering majors may not register for EECE courses at or above the 3000-level. Exceptions to these criteria are at the discretion of the department chair.

GRADUATION: The minimum requirements for the degree of Bachelor of Science in Computer Engineering are given below. The student must satisfy university and college requirements. The student must obtain a minimum grade of "C" in all EECE courses and in MATH 1910, 1920, 2110, 3120; CHEM 1110/1111; COMP 2150, 2700; PHYS 2110/2111, 2120/2121, or any equivalents to these courses used to satisfy degree requirements. No transfer credit with a grade less than a minimum grade of "C" may be used to satisfy a requirement for the Bachelor of Science in Computer Engineering. Waiver of departmental graduation requirements for exceptional circumstances will be granted only upon approval of both the department chair and the Dean of the College of Engineering (or designee).

MINORS: Students satisfying the requirements for the Bachelor of Science in Computer Engineering may also satisfy requirements for a minor offered by a department in one of the other colleges. Requirements for a minor are specified by the appropriate college and department. Students should submit application for the minor to the appropriate department chair. Candidates for graduation who satisfy requirements for a minor should file the approved application with the intent-to-graduate cards.

Accelerated B.S.C.P.E./M.S. Program in Computer Engineering with a concentration in Intelligent Systems

This program allows outstanding undergraduates to begin the coursework for the Master of Science in Computer Engineering during their senior year. Students are encouraged to begin planning to enter the Accelerated B.S.C.P.E./M.S. program early in their undergraduate career, in consultation with their advisor in the Department of Electrical and Computer Engineering.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.S.C.P.E. degree while they also begin the coursework toward their M.S.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Electrical and Computer Engineering department. Each applicant will complete an interview with the graduate academic coordinator in computer engineering.

Students must also apply to the Graduate School for the accelerated B.S.C.P.E./M.S. program, which allows them to take graduate courses in computer engineering. To continue in the program past the B.S.C.P.E., students must apply for full admission into the Graduate School and into the Electrical and Computer Engineering department's M.S. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Computer Engineering Major (B.S.C.P.E.)

A. General Education (36 hours)

See [Graduation from the University](#) for University General Education Program requirements. Note the following requirements are specified for this program: Communication : ENGL 3603 instead of COMM 2381; Mathematics: MATH 1910 (students who have not had MATH 1730 or its equivalent must take it before enrolling MATH 1910); History: waived for B.S.C.P.E. students who have completed one unit of history in high school; Social/Behavioral Sciences: ECON 2110 must be taken in addition to 3 hours from the other specified choices; Natural Science: PHYS 2110/2111, 2120/2121.

B. College and Degree Requirements (18 hours)

Mathematics (11 hours): MATH 1920, 2110, 3120.

Natural Science (4 hours): CHEM 1110/1111.

C. The Major (74 hours)

1. Major Core (62 hours): Completion of the following: EECE 1202, EECE 1206 or COMP 1900 (4), EECE 2201 (4), 2222 (4), COMP 2150, 2700, 3160, 4270, EECE 3201 (4), 3203, 3204, 3211 (4), 3221, 3270 (4), 4081, 4235, 4278, 4279 (2), 4280.

2. Electives (6 hours): Choose Group I elective from: EECE 4222, 4277, 4710, 4711 or 4712. Choose Group II from: EECE 4272, 4273, 4275, 4276, 4720, 4730 or 4731.

3. Technical Electives (6 hours): Choose from upper division courses in engineering, mathematics, computer science, or physics.

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Typical 4-Year Computer Engineering Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH 1910	4	MATH 1920	4
EECE 1202	3	PHYS 2110/2111	4
CHEM 1110/1111	4	EECE 1206 or COMP 1900	4
Humanities/Fine Arts*	3		

Semester Totals	17 hrs		15 hrs
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Sophomore Year

ENGL 2201 or 2202	3	Humanities/Fine Arts*	3
MATH 2110	4	MATH 3120	3
PHYS 2120/2121	4	EECE 2201	4
COMP 2150	3	EECE 2222	4
COMP 2700	3	COMP 3160	3

Semester Totals	17 hrs		17 hrs
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Junior Year

EECE 3201	4	EECE 3204	3
EECE 3203	3	ENGL 3603	3
EECE 3270	4	EECE 4278	3
EECE 4081	3	EECE 3221	3
		EECE 3211	4

Semester Totals	14 hrs		16 hrs
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Senior Year

MECH 3310 or 3311	3	EECE 4280	3
Group I elective	3	ECON 2110	3
Technical elective	3	Group II elective	3
COMP 4270	3	Technical elective	3
EECE 4235	3	Social/Behavioral Sciences*	3
EECE 4279	2		

Semester Totals	17 hrs		15 hrs
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Total Hours: 128

Total Hours Required for Graduation: 128

*Must satisfy University General Education Program Requirement.

University College

Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
University College (UNIV)

Independent Programs

Orientation Program (ACAD)
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Electrical Engineering

Department of Electrical and Computer Engineering

The educational objectives of the Electrical Engineering program are consistent with the mission of the University of Memphis. The program is designed to provide students satisfying, robust, and quality education in Electrical Engineering, leading to professional employment and/or graduate-level education.

The program educational objectives are that Electrical Engineering graduates will have

- secured employment in Electrical Engineering or related fields;
- advanced their careers, as measured by promotions, salaries, career satisfaction, positions or leadership, awards, recognitions, entrepreneurial activities, development of products or processes, patents, and/or publications;
- continued to learn new knowledge and to acquire new expertise, as measured by post-graduate education, continuing education, and/or professional registration;
- contributed to society and profession, as measured by professional service, community service, and/or public service.

In pursuit of these objectives, students enrolled in Electrical Engineering are offered a curriculum designed to provide a thorough background and understanding of the theoretical and physical principles of electric and magnetic phenomena. The intent of the program is to produce graduates who can apply concepts and techniques of mathematics and physics to a variety of analysis and design applications in Electrical Engineering. In addition graduates are prepared to communicate their ideas succinctly and clearly in both oral and written presentations.

Laboratory facilities are available for a wide variety of instructional and research activities. Significant laboratory activity is required in the curriculum.

Career opportunities include positions in development and design, research, sales, management, manufacturing, and construction. Some of the technical areas of opportunity are related to computer applications, communications systems, power generation and distribution systems, microwave and antenna systems, automatic control systems, and general instrumentation. An undergraduate student, with the approval of the department chairman, may select some electives that satisfy the course entrance requirements for medical school.

Honors Program: Students are eligible for the honors program in Electrical Engineering if they have and maintain a cumulative GPA of 3.4 with at least junior standing and have received approval of the departmental honors committee. The honors program in Electrical Engineering requires a minimum of 8 hours of honors courses in Electrical Engineering and must include the completion of an honors thesis (EECE 4999). Those students who complete the program and the regular B.S.E.E. requirements will be recognized at the commencement ceremony by having their degree conferred "With Honors in Electrical Engineering." Moreover, the student's diploma and record at the University of Memphis will reflect this accomplishment. Details concerning this program and honors course offerings are available in the Department of Electrical and Computer Engineering.

The Department of Electrical and Computer Engineering offers a Master of Science degree for electrical engineers who desire advanced study. The department also offers a concentration in Electrical Engineering for students pursuing the interdepartmental Doctor of Philosophy degree.

Details about the program and the program objectives are available on the departmental home page of the world wide web (<http://www.eece.memphis.edu/>).

ADMISSION: Admission to the university will allow a student to be in a pre-electrical engineering major. Movement into the major requires completion of the courses listed below with a minimum grade of "C" in each of these courses.

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

MATH 1910, CHEM 1110, PHYS 2110, EECE 1202, EECE 1207, and ENGL 1010

Monitoring of a student's progress will be performed by the Herff College of Engineering academic advisor. A student will not be forwarded to the academic department for advising until these courses have been satisfactorily completed.

Pre-electrical engineering majors may not register for EECE courses at or above the 3000-level. Exceptions to these criteria are at the discretion of the department chair.

GRADUATION: The minimum requirements for the degree of Bachelor of Science in Electrical Engineering are given below. The student must satisfy general university and college requirements. The student must obtain a minimum grade of "C" in EECE 1202, 1207, 2201, 2222; MATH 1910, 1920, 2110, 3120; CIVL 2131; MECH 2332; CHEM 1110/1111; PHYS 2110/2111, 2120/2121 or any equivalents to these courses used to satisfy degree requirements. Students must obtain a C or better in each EECE course that is used to satisfy degree requirements. No transfer credit with a grade less than "C" may be used to satisfy a requirement for the Bachelor of Science in Electrical Engineering. Waiver of departmental graduation requirements for exceptional circumstances will be granted only upon approval of both the department chair and the Dean of the College of Engineering (or designee).

MINORS: Students satisfying the requirements for the Bachelor of Science in Electrical Engineering may also satisfy requirements for a minor offered by a department in one of the other colleges. Requirements for minors are specified by the appropriate college and department. Students should submit application for the minor to the appropriate department chair. Candidates for graduation who satisfy requirements for a minor should file the approved application with the intent-to-graduate cards.

Accelerated B.S.E.E./M.S. Program in Electrical Engineering with a concentration in Power Systems

This program allows outstanding undergraduates to begin the coursework for the Master of Science in Electrical Engineering during their senior year. Students are encouraged to begin planning to enter the Accelerated B.S.E.E./M.S. program early in their undergraduate career, in consultation with their advisor in the Department of Electrical and Computer Engineering.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.S.E.E. degree while they also begin the coursework toward their M.S.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Electrical and Computer Engineering department. Each applicant will complete an interview with the graduate academic coordinator in electrical engineering.

Students must also apply to the Graduate School for the accelerated B.S.E.E./M.S. program, which allows them to take graduate courses in electrical engineering. To continue in the program past the B.S.E.E., students must apply for full admission into the Graduate School and into the Electrical and Computer Engineering department's M.S. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Electrical Engineering (B.S.E.E.)

A. University General Education Program (36 hours)

See [Graduation from the University](#) for University General Education Program requirements. Note the following requirements are specified for this program: Communication: ENGL 3603 instead of COMM 2381; Mathematics: MATH 1910 (students who have not had MATH 1730 or its equivalent must take it before enrolling MATH 1910);

Social/Behavioral Sciences: ECON 2110 must be taken in addition to 3 hours from the other specified choices; Natural Science: PHYS 2110/2111, 2120/2121.

History: waived for B.S.E.E. students who have completed one unit of American history in high school.

B. College and Degree Requirements (24 hours)

Mathematics (11 hours): MATH 1920, 2110, 3120.

Natural Science (4 hours): CHEM 1110/1111.

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Collateral Courses (9 hours): CIVL 2131: MECH 2332, 3310 or 3311.

C. The Major (68 hours)

1. Major Core (62 hours): Completion of 62 hours including EECE 1202, 1207, 2201 (4), 2222 (4), 3201 (4), 3203, 3204, 3211 (4), 3212 (4), 3221, 3240 or 4213 or 4215, 4201(4), 4235, 4279(2), 4280; 12 hours of EECE electives approved by advisor.

Students may use elective hours to broaden their base of knowledge or for one of the concentrations below. A minimum of 9 semester hours is required for a concentration. EECE electives and technical may be used to complete a concentration. Courses for the concentrations may be selected from the following:

a. Computer Engineering: EECE 3220, 3270 (4), 4222, 4230, 4272, 4273, 4275, 4276, 4278, 4710, 4711, 4712, 4720, 4730 and 4731.

b. Electrophysics: EECE 4241, 4242, and 4243.

c. Systems and Signals: EECE 4202, 4204, 4221 (4), 4232, 4251, 4252, and 4253.

NOTE: Projects I or II, EECE 4991 or 4992 can be taken for up to 6 semester hours credit in any of the areas of concentration.

2. Technical Electives (6 hours): These electives may be chosen from upper-division courses in engineering, mathematics, physics, or computer science. Approval of department chair is required for all technical electives.

Typical 4-Year Electrical Engineering Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH 1910	4	MATH 1920	4
EECE 1202	3	EECE 1207	3
CHEM 1110/1111	4	PHYS 2110/2111	4
Humanities/Fine Arts*	3	Social/Behavioral Sciences*	3
Semester Totals	17 hrs		17 hrs

Sophomore Year

EECE 2222	4	ENGL 2201 or 2202	3
MATH 2110	4	MATH 3120	3
PHYS 2120/2121	4	EECE 2201	4
CIVL 2131	3	MECH 2332	3
		ECON 2010	3
Semester Totals	15 hrs		16 hrs

Junior Year

EECE 3201	4	EECE 3204	3
EECE 3211	4	EECE 3212	4
Humanities/Fine Arts*	3	ENGL 3603	3
EECE 3203	3	EECE 3240 or 4213 or 4215	3
MECH 3310 or 3311	3	EECE 3221	3
Semester Totals	17 hrs		16 hrs

Senior Year

EECE 4235	3	EECE 4280	3
EECE 4201	4	EECE electives	6
EECE elective	3	Technical electives	6
EECE elective	3		

University College

Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
University College (UNIV)

Independent Programs

Orientation Program (ACAD)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)
Interdisciplinary Studies (INTD)

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Engineering Technology

Department of Engineering Technology

Engineering Technology is the profession in which knowledge of mathematics and natural science, gained by higher education, experience, and practice, is devoted primarily to the implementation and extension of existing technology for the benefit of humanity. Engineering Technology education focuses primarily on the applied aspects of science and that portion of the technological spectrum closest to product improvement, industrial practices, and engineering operation functions.

The educational objectives of the Engineering Technology program are to produce graduates who are prepared to:

1. Attain gainful employment in a related technical field providing personal and professional growth;
2. Pursue professional development such as additional formal education, certifications and workshops;
3. Attain increasing levels of responsibility and leadership in their own chosen field;
4. Apply a depth of knowledge and ability to manage, design, develop, analyze, and/or implement technical projects, demonstrating a quality of performance necessary to succeed in engineering technology careers.

Graduates are referred to as Engineering Technologists and work as members of the engineering team focusing primarily on the implementation of new technologies. Students will select two fields of study providing depth in subjects of interest to them. Technical electives will provide breadth of study that supports their general knowledge base. Within the core are courses that prepare students to manage people and projects as they grow in their career. Graduates of this program are employed in the areas of quality assurance, product/software support, applied design and development, manufacturing support, plant management, computerized process control, systems planning, process planning, supervision and technical sales.

ADMISSION: Before a student can declare the Engineering Technology major, the student must have earned: 1) a grade of at least "C" for each of the following 9 courses (or equivalents), and 2) a cumulative GPA of at least 2.50 for these courses.

MATH 1910 Calculus I
 PHYS 2010 General Physics I / Trig
 PHYS 2011 General Physics I Lab
 TECH 1411 Introduction to Technology
 TECH 1010 Computer Applications in Technology
 TECH 1521 Graphics and Descriptive Geometry
 TECH (EETH) 1811 Electronic Circuit Technology
 TECH (CETH) 1211 Computer Programming
 TECH (METH) 1711 Manufacturing Processes I

Until both of these criteria are satisfied, students admitted to the University and wishing to declare the Engineering Technology major will be coded as Pre-Engineering Technology.

Transfer students will be coded as Pre-Engineering Technology for a minimum of one semester following admission to the University of Memphis. They may declare the Engineering Technology major upon completion of the Admission requirements.

A student may not register for upper-division courses in TECH (formerly CETH, EETH, or METH) at or above the 3000 level without being declared as an Engineering Technology major. Exceptions to the Admission criteria are at the discretion of the Department Chair.

GRADUATION: To qualify for the degree of Bachelor of Science in Engineering Technology, the student must satisfy University and College requirements, and obtain a

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
 African and African American Studies (AAAS)
 Anthropology (ANTH)
 Biology (BIOL)
 Chemistry (CHEM)
 Computer Science (COMP)
 Criminology and Criminal Justice (CJUS)
 Earth Sciences (ESCI)
 English (ENGL)
 Emergency Management(EMGT)
 Environmental Studies (ENVR)
 Health Administration (HADM)
 History (HIST)
 International Studies (INTL)
 Judaic Studies (JDST)
 Mathematics (MATH)
 Military Science (ARMY)
 Naval Science (NAVY)
 Philosophy (PHIL)
 Physics (PHYS)
 Political Science (POLS)
 Open Learning Fire Services Program (PADM)
 Public and Nonprofit Administration (PADM)
 Psychology (PSYC)
 Religious Studies (RLGN)
 Social Work (SWRK)
 Sociology (SOCI)
 Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
 Chinese (CHIN)
 Classics (CLAS)
 French (FREN)
 German (GERM)
 Greek (GREK)
 Hebrew (HEBR)
 Italian (ITAL)
 Japanese (JAPN)
 Languages and Literature (LALI)
 Latin (LATN)
 Portuguese (PORT)
 Russian (RUSS)
 Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
 Business Administration (BA)
 Supply Chain Management Science (SCMS)
 Economics (ECON)

2.0 grade point average on all work completed, and obtain a minimum grade of "C" in all engineering technology and mathematics courses used to satisfy degree requirements. A grade of "C" or better is also required in ENGL 3603.

Engineering Technology (B.S.E.T.)

A. University General Education Program (42 hours)

See Graduation from the University link for University General Education Program requirements. Note the following are specified by the department for this program: Mathematics: MATH 1910; Natural Science: PHYS 2010/2011, 2020/2021.

B. College and Degree Requirements (52 hours)

Engineering Technology Core: ENGL 3603; CHEM 1010/1011; MATH 1730; TECH 1010, 1211, 1411, 1521, 1711, 1811, 2821, 2822, 3044, 3440, 4381, 4401, 4462, 4943, 4945.

C. The Major (31-33 hours)

Completion of 31-33 hours of technical electives that include a minimum of two (2) of the following fields of study selected in consultation with an academic advisor:

- a. Automation & Control Systems: TECH 2831, 3821, 3822 and one of TECH 3841 or 4474 or 4823
- b. Electronic Communication Systems: TECH 2831, 3811, 3812, 4821
- c. Mechanical Systems Design: TECH 3401, 3421, 3573, 4472, 4571
- d. Microprocessor Systems: TECH 2831, 3232, 3233, 4234
- e. Operations Strategy & Lean Principles: TECH 4460, 4464, 4466
- f. Product Realization: TECH 3401, 3421, 4472, 4474, 4476
- g. Software Design: TECH 2251, 2261, 4262, 4263
- h. System/Network Administration: TECH 3232, 3241, 4281, 4272

The core requirements satisfy prerequisites for these fields of study. Observe prerequisites when enrolling in courses within a particular field of study. NOTE: Substitutions must be approved by the Undergraduate Program Coordinator.

D. Engineering Technology Minor: A student must complete 18 hours of Engineering Technology coursework (observing prerequisites), 12 of which must be upper-division, selected in consultation with a departmental advisor. It is understood that some prerequisites may be satisfied by coursework from other departments and programs.

Accelerated B.S.E.T./M.S. Program in Engineering Technology

This program allows outstanding undergraduates to begin the coursework for the Master of Science in Engineering Technology during their senior year. Students are encouraged to begin planning to enter the Accelerated B.S.E.T./M.S. program early in their undergraduate career, in consultation with their advisor in the Department of Engineering Technology.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.S.E.T. degree while they also begin the coursework toward their M.S.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Engineering Technology department. Each applicant will complete an interview with the graduate academic coordinator in engineering technology.

Students must also apply to the Graduate School for the accelerated B.S.E.T./M.S. program, which allows them to take graduate courses in engineering technology. To continue in the program past the B.S.E.T., students must apply for full admission into the Graduate School and into the Engineering Technology department's M.S. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Typical 4-Year Engineering Technology Sequence

Freshman Year

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

ENGL 1010	3	ENGL 1020	3
MATH 1730	4	MATH 1910	4
TECH 1411	1	TECH 1211	3
TECH 1711	3	TECH 1521	3
TECH 1010	3	TECH 1811	3
Semester Totals	14 hrs		16 hrs

Sophomore Year

ENGL 2201 or 2202	3	COMM 2381	3
PHYS 2010/2011	4	PHYS 2020/2021	4
History*	3	CHEM 1010/1011	4
TECH 2821	3	TECH 3044	4
TECH 2822	4	Technical elective	3
Semester Totals	17 hrs		18 hrs

Junior Year

Humanities*	3	Social/Behavioral Sciences*	3
History*	3	Technical elective	3
ENGL 3603	3	Technical elective	3
Technical elective	3	TECH 4462	3
Technical elective	3	TECH 3440	3
		TECH 4381	3
Semester Totals	15 hrs		18 hrs

Senior Year

Social/Behavioral Sciences	3	Humanities*	3
Technical elective	3-4	Technical elective	3-4
Technical elective	3	Technical elective	3
Technical elective	3	Technical elective	3
TECH 4401	2	TECH 4945	2
TECH 4943	1		
Semester Totals	15-16 hrs		14-15 hrs

Total Hours: 125-128

Total Hours Required for Graduation: 125-128

Must satisfy University General Education Program Requirements*University College**

Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
University College (UNIV)

Independent Programs

Orientation Program (ACAD)
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University of Memphis Libraries (LBRY)
Interdisciplinary Studies (INTD)

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Mechanical Engineering

Department of Mechanical Engineering

Mechanical Engineering is a broad field that contains many areas. Students are offered a wide variety of topics that touch on as many of these areas as possible in a balanced four-year program. The curriculum is designed to prepare graduates for professional practice, and to provide a foundation for lifelong learning as well as professional growth.

The course of study begins with a strong foundation in mathematics, physical sciences, and engineering sciences, and culminates in a series of synthesis and design courses. These require the student to apply material learned in foundation courses to practical design problems in various areas. Traditional classroom instruction is supplemented with laboratory experiences in four areas. The laboratory courses are designed to develop the student's knowledge base with a hands-on learning experience.

The program educational objectives express expectations of the program graduates' abilities within the first few years after successfully completing this comprehensive curriculum. (1) Graduates in professional practice perform the duties of a Mechanical Engineer consistent with the expectations of employers. (2) Graduates pursue advanced studies or engage in other life-long learning activities.

The diversity encountered in the profession requires the successful Mechanical Engineer to have technical and non-technical skills. Courses in the humanities and social sciences enhance non-technical skills, and explore the engineer's relationship with, and responsibility to, society. Students learn that as professionals, they identify with other engineers, and that the welfare of the public is of prime concern. These non-technical courses allow the student to interact and communicate effectively with a wide variety of individuals. While students are strongly encouraged to take the Fundamentals of Engineering Examination, prior to graduation, students are required to take and pass a Simulated Fundamentals of Engineering examination, which is administered as a component of MECH 4300.

ADMISSION: Admission to the university will allow a student to be in a pre-mechanical engineering major. Movement into the major requires: 1) a cumulative GPA of 2.25 for all university level courses completed, 2) a grade of at least a "C" for each of the following 5 courses (or equivalents), and 3) a cumulative GPA of at least 2.50 for these 6 courses.

MATH 1910 Calculus I
CHEM 1110 General Chemistry I
PHYS 2110 Science/Engineering Physics I
MECH 1310 Introduction to Mechanical Engineering
MECH 1312 Mechanical Engineering Computing I
MECH 1314 Mechanical Engineering Computing II

Pre-mechanical engineering majors may not register for MECH courses at or above the 3000-level. Exceptions to these criteria are at the discretion of the department chair or the undergraduate program coordinator.

Graduation: To earn a Bachelor of Science in Mechanical Engineering degree, the student must satisfy University and College requirements, and obtain a minimum 2.0 grade point average on all work completed, and obtain a minimum grade of "C-" in all engineering, mathematics, physics, and chemistry courses used to satisfy degree requirements.

Accelerated B.S.M.E./M.S. Program in Mechanical Engineering

This program allows outstanding undergraduates to begin the coursework for the Master of Science in Mechanical Engineering during their senior year. Students are encouraged to begin planning to enter the Accelerated B.S.M.E./M.S. program early in their

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[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
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Foreign Languages and Literatures

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[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

undergraduate career, in consultation with their advisor in the Department of Mechanical Engineering.

Working with the undergraduate and graduate academic coordinators, undergraduates selected into this program begin a carefully tailored course of study which will allow them to complete their B.S.M.E. degree while they also begin the coursework toward their M.S.

To apply, students must have a minimum 3.25 grade point average, and must submit two reference letters and a copy of their transcript to the Mechanical Engineering department. Each applicant will complete an interview with the graduate academic coordinator in mechanical engineering.

Students must also apply to the Graduate School for the accelerated B.S.M.E./M.S. program, which allows them to take graduate courses in mechanical engineering. To continue in the program past the B.S.M.E., students must apply for full admission into the Graduate School and into the Mechanical Engineering department's M.S. program.

Only in ABM programs, up to 9 hours of graduate course work may be applied to both the undergraduate and graduate programs. However, any graduate coursework will not apply to undergraduate GPA.

Mechanical Engineering (B.S.M.E.)

A. University General Education Program (36 hours)

See [Graduation from the University](#) for University General Education Program requirements. Note the following requirements are specified for this program: Communication: ENGL 3603 instead of COMM 2381; Mathematics: MATH 1910 (students who have not had MATH 1730 or its equivalent must take it before enrolling MATH 1910). Social/Behavioral Sciences: ECON 2110 must be taken in addition to 3 hours from the other specified choices; Natural Science: PHYS 2110/2111, 2120/2121. American Heritage: waived for B.S.M.E. students who have completed one unit of American history in high school.

B. College and Degree Requirements (26 hours)

Mathematics (11 hours): MATH 1920, 2110, and 3120.

Natural Science (8 hours): CHEM 1110/1111; and one of the following: CHEM 1120/1121, BIOL 1110/1111.

Collateral Courses (7 hours): CIVL 2131; and one of the following: EECE 2201/2203, EECE 2281/2283.

C. The Major (66 hours)

1. Completion of MECH 1310 1312, 1314, 2316, 2332, 3311, 3312, 3316, 3320, 3321, 3322, 3323, 3325, 3331, 3335, 3341, 3351, 3355, 4300, 4314, 4319, 4322, 4323, 4335.

2. Nine (9) hours of electives approved by the student's academic advisor.

Typical 4-Year Mechanical Engineering Sequence

Freshman Year

ENGL 1010	3	ENGL 1020	3
CHEM 1110/1111	4	Natural Science*	4
MATH 1910	4	MATH 1920	4
MECH 1310	2	MECH 1314	2
MECH 1312	2	PHYS 2110/2111	4
Semester Totals	15 hrs		17 hrs

Sophomore Year

ENGL 2201 or 2202	3	MATH 3120	3
MATH 2110	4	MECH 2332	3
PHYS 2120/2121	4	MECH 3322	3
CIVL 2131	3	EECE 2201/2203	4
MECH 2316	2	Social/Behavioral Sciences*	3

Semester Totals	16 hrs		16 hrs
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Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Junior Year

MECH 3311	3	MECH 3312	3
MECH 3316	2	MECH 3323	3
MECH 3320	3	MECH 3341	3
MECH 3321	3	MECH 3351	3
MECH 3325	1	MECH 3355	1
MECH 3331	3	ENGL 3603	3
MECH 3335	1		

Semester Totals 16 hrs 16 hrs

Senior Year

MECH 4319	2	MECH 4300	2
MECH 4314	3	MECH 4323	3
MECH 4322	3	Technical elective**	3
Humanities/Fine Arts*	3	MECH elective	3
MECH 4335	1	Humanities/Fine Arts*	3
MECH elective	3	ECON 2110	3

Semester Totals 15 hrs 17 hrs

Total Hours: 128

Total Hours Required for Graduation: 128

**Must satisfy University General Education Program Requirement*

*** An upper division course in engineering, mathematics, physics, or chemistry. Advisor's approval required.*

HONORS PROGRAM: The Honors in Mechanical Engineering Program provides an exceptional educational opportunity for highly motivated students to develop their talents, interests, and abilities within a curriculum designed to encourage independence and creativity.

Admission to the Honors Program: Incoming freshmen who score a minimum of 26 on the ACT, or its equivalent, are invited to participate. Transfer students or students previously enrolled at the University of Memphis are eligible for the program if they have an overall grade point average of 3.00, and a grade point average of 3.25 for course work within the Herff College of Engineering. The departmental honors committee admits eligible students to the program upon approval of the Application for Admission to the Mechanical Engineering Honors Program. Students with academic records that fall short of these requirements may apply for provisional acceptance.

Retention in the Honors Program: Participants must maintain a minimum overall grade point average of 3.00 and a minimum grade point average of 3.25 for course work within the college to continue in the program. The departmental honors committee may grant participants failing to meet this requirement a one semester probationary period before they are dismissed from the program.

Requirements:

1. To qualify for the designation "With Honors in Mechanical Engineering", a student must successfully complete a minimum of 18 semester hours from the following: MECH 4395, 4396, and 12 hours of mechanical engineering honors courses.
2. To qualify for the designations "With Honors in Mechanical Engineering" and "University Honors with Thesis", a student must successfully complete a minimum of 24 semester hours from the following: MECH 4395 and 4396, 9 hours of mechanical engineering honors courses, UNHP 1101 or 1102, and 6 hours of general education honors sections of both lower and upper division mechanical engineering courses offered regularly. To enroll in mechanical engineering honors sections, a student must request departmental approval. A minimum grade of "B" is required in each honors course for it to count toward fulfilling the honors course requirement. Regular credit for the course will be earned if the grade is lower than a "B". A participant must select a major advisor by the beginning of the first semester senior year and enroll in MECH 4395 Honors Thesis Proposal. Successful completion of this course requires acceptance of a thesis proposal by the departmental honors committee. During the second semester of the senior year, a participant must enroll in MECH 4396 Honors Thesis. Successful completion of this

University College

Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
University College (UNIV)

Independent Programs

Orientation Program (ACAD)
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Interdisciplinary Studies (INTD)

course requires acceptance of a thesis by the departmental honors committee.

Designation of "With Honors in Mechanical Engineering": Students who successfully complete the prescribed course work will have earned the designation of "With Honors in Mechanical Engineering." This designation will be recognized at the commencement ceremony and it will appear on the transcript and diploma.

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The Loewenberg School of Nursing

Lin Zhan, Ph.D., RN, Dean
 Billy Mac Jones Building; (901) 678-2020
<http://nursing.memphis.edu>

PURPOSES

The primary function of The Loewenberg School of Nursing is to offer a program of study designed to prepare students for careers in professional nursing. As a part of a comprehensive university, the school is dedicated to developing scholarship in nursing and providing services that support the institutional mission.

The program is designed to accommodate the needs of high school graduates, transfer students, college graduates, licensed practical nurses, and registered nurses who are graduates of diploma or associate degree nursing programs. The school is committed to: (1) providing a curriculum leading to the degree of Bachelor of Science in Nursing basic to beginning professional practice and graduate study in nursing; (2) promoting the intellectual, personal and professional development of students by offering a curriculum that combines a strong liberal education with the professional major; (3) providing a plan of study with flexible options that are responsive to the individual learner's needs; (4) encouraging the use of opportunities available in a comprehensive university setting to foster values, attitudes and personal qualities essential to living a fulfilling life and contributing to a diverse society; (5) producing politically and socially conscious graduates who are competent practitioners in a variety of settings; and (6) preparing graduates who assume leadership roles to effect change for a healthy society.

Graduates of the program are eligible to apply to take the NCLEX examination for state licensure through the respective state boards of nursing. Program applicants should be aware that conviction of the following crimes would make the student ineligible for Registered Nurse licensure in the State of Tennessee: Aggravated Assault as in T.C.A. 39-13-102; First Degree Murder, as in T.C.A. 39-13-202; Second Degree Murder, as in T.C.A. 39-13-207; Voluntary Manslaughter, as in T.C.A. 39-13-211; False Imprisonment, as in T.C.A. 39-13-302; Kidnapping, as in T.C.A. 39-13-303; Aggravated Kidnapping, as in T.C.A. 39-13-304; Especially Aggravated Kidnapping, as in T.C.A. 39-13-305; Robbery, as in T.C.A. 39-13-401; Aggravated Robbery, as in T.C.A. 39-13-402; Especially Aggravated Robbery, as in T.C.A. 39-13-403; Aggravated Rape, as in T.C.A. 39-13-502; Rape, as in T.C.A. 39-13-503; Aggravated Sexual Battery, as in T.C.A. 39-13-504; Sexual Battery, as in T.C.A. 39-13-505; Statutory Rape, as in T.C.A. 39-15-506; Theft of Property, as in T.C.A. 39-14-103; Theft of Services, as in T.C.A. 39-14-104; Forgery, as in T.C.A. 39-14-114; Falsifying of Educational and Academic Records, as in T.C.A. 39-14-136; Arson, as in T.C.A. 39-14-301; Aggravated Arson, as in T.C.A. 39-14-302; Burglary, as in T.C.A. 39-14-402; Aggravated Burglary, as in T.C.A. 39-14-404; Incest, as in T.C.A. 39-15-302; Aggravated Child Abuse, as in T.C.A. 39-15-402; Sexual Exploitation of a Minor, as in T.C.A. 39-17-1003; Aggravated Sexual Exploitation of a Minor, as in T.C.A. 39-17-1004; Especially Aggravated Sexual Exploitation of a Minor, as in T.C.A. 39-17-1005; Assisted Suicide, as in T.C.A. 39-13-216; Rape of a Child, as in T.C.A. 39-13-522.

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University College

DAN LATTIMORE, Ph.D., Dean
Room 218, John Willard Brister Hall
(901) 678-2716

www.memphis.edu/univcoll

University College offers students a wide variety of traditional and online degree opportunities. Faculty from across the university provide the structure to explore and develop unlimited interdisciplinary, academic ventures. University College also seeks to create and maintain a spirit of academic community through careful and concerned advising and interaction outside the classroom among students, faculty, staff, and community professionals. Program objectives for majors in University College are to demonstrate: (a) the theoretical and practical applications of their coordinated study area (i.e., major); (b) knowledge of appropriate communications practices, including effective writing, computer skills, and oral communications; (c) the ability to solve problems, to work independently and to work as members of a team in a professional setting through an experiential-learning environment; and (d) the ability to address significant problems, themes, and ideas which impact a global society.

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Experiential Learning

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Alcohol and Drug Abuse Services

Child Development

Dance

Disability Studies and Rehabilitation Services

Fashion and Home Furnishings Merchandising

Health Services Administration

Human Services

Law Enforcement Administration

Non-Profit Development and Administration

Organizational Leadership

Paralegal Studies

Pre-school and Childcare Administration

Technology Management Services

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Bachelor of Liberal Studies (B.L.S.)

Asian Studies and International Trade
Judaic Studies
Religion in Society

Minors

Alcohol and Drug Abuse Services
American Studies
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A Second Bachelor's Degree

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Judaic Studies

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Regents Online Degree Program

The degrees offered are:

Bachelor of Professional Studies with concentrations Information Technology, International Organizational Leadership, or Organizational Leadership

Bachelor of Interdisciplinary Studies (General Studies/Liberal Studies/University Studies)

Tennessee Board of Regents' colleges, universities, and technology centers joined to offer the Regents Online Degree Programs (RODP). All the institutions are fully accredited. All six TBR universities deliver and award the noted bachelor's degrees.

Courses completed in the Regents Online Degree Programs are entirely online and transferable among all the participating institutions.

The courses are available online for the degrees offered through the Regents Online Degree Program. Please note: RODP courses may not satisfy University of Memphis degree programs. It is encouraged for an advisor to be consulted before enrolling in any online course.

For information about the requirements and courses for the Regents Online Degree Program, please see:

<http://www.rodg.org/home.htm>

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Independent Departments and Programs

There are several independent units which contribute to undergraduate programs. The independent departments or programs included here are:

- [University Honors Program](#)
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AERO

(AERO) Aerospace Studies
Jacqueline G. Randolph, Lt. Col., USAF, Professor of Aerospace Studies
Room 118, Hayden Hall
<http://www.memphis.edu/afrotc>

AERO 1111 - The Air Force Today (1)

Survey course designed to introduce students to the United States Air Force and Air Force ROTC. Topics include Air Force mission and organization, customs and courtesies, officer opportunities, problem solving, and communication skills. One class hour per week and one and one-half hours of Leadership Laboratory. *

AERO 1112 - The Air Force Today (1)

Continuation of AERO 1111. One class hour per week and one and one-half hours of Leadership Laboratory. *

AERO 2211 - The Air Force Way (1)

Survey course designed to examine aspects of air and space power through a historical perspective. The course covers the time period from the first balloons and dirigibles to the space age global positioning systems of the Persian Gulf War. Leadership Laboratory is mandatory for AFROTC cadets. One class hour per week and one and one-half hours of Leadership Laboratory. *

AERO 2212 - The Air Force Way (1)

Continuation of AERO 2211. One class hour per week and one and one-half hours of Leadership Laboratory. *

PROFESSIONAL OFFICER COURSES

AERO 3211 - Aerospace Study 4-Wk Fld Trn (4)

Twenty-eight day course conducted during summer at active installation of USAF, consists of approximately 185 hours of instruction in Air Force base functions, leadership, physical training, Air Force environment, career orientation, and survival training. Students assigned to groups of twenty-five and individually counseled and evaluated on their performance. Emphasis on self initiated leadership activities.
PREREQUISITE: AERO 1111, 1112, 2211, 2212, or equivalent.

AERO 3212 - Aerospace Study 6-Wk Fld Trn (6)

Forty-two day course conducted during summer at active installation of USAF. Consists of approximately 258 hours of instruction on role of military forces, organization of Defense Department, instruments of national security, Air Force base functions, leadership, physical training and Air Force environment. Students are assigned to groups of approximately twenty-five and individually counseled and evaluated on their performance.

AERO 3311 - AF Leadership/Managemnt (3)

Study of leadership, Air Force personnel and evaluation systems, management fundamentals, professional knowledge, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to demonstrate and exercise practical application of concepts studied. Three class hours per week and one and one-half hours of Leadership Laboratory.*

AERO 3312 - AF Leadership/Managemnt (3)

Continuation of AERO 3311. Three class hours per week and one and one-half hours of Leadership Laboratory.*

AERO 4411 - Prep For Active Duty (3)

Examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics include the military as a profession, officership,

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Biology (BIOL)
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Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
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Mathematics (MATH)
Military Science (ARMY)
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Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
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Women's Studies (WMST)

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Hebrew (HEBR)
Italian (ITAL)
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Fogelman College of Business and Economics

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Economics (ECON)

military justice, civilian control of the military, and preparation for active duty. Within this structure, continued emphasis is given to refining communication skills. Three class hours per week and one and one half hours of Leadership Laboratory.*

AERO 4412 - Prep For Active Duty (3)

Continuation of AERO 4411. Three class hours per week and one and one-half hours of Leadership Laboratory.*

*Leadership Laboratory. Freshman/Sophomore level topics (supporting the General Military Course) include Air Force customs and courtesies, drill and ceremonies, issuing military commands, instructing, environment of the Air Force officer, and officer opportunities. Junior/Senior level topics (supporting the Professional Officer Course) include such advanced leadership experiences as planning and controlling cadet wing activities, preparing and presenting oral and written communication, and providing the guidance and information needed to train and motivate other cadets. One and one-half hours per week.

Finance (FIR)
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Instruction and Curriculum Leadership

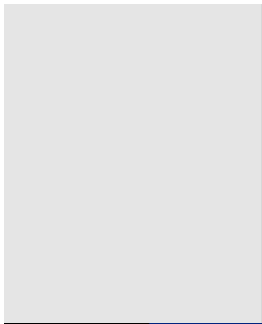
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AAAS

(AAAS) AFRICAN AND AFRICAN AMERICAN STUDIES
LADRICA MENSON-FURR, Ph.D., Director
Interdisciplinary Studies Office
Room 107, Scates Hall
<http://www.memphis.edu/aaas/>

In addition to the courses below, the department may offer the following Special Topics courses:

AAAS 4990-4999. Special Topics in African and African American Studies. (3). Topics are varied and in online class listing. May be taken for a maximum of 6 hours credit when topic varies.

AAAS 2100 - Intro Afr/Afr American Study (3)

Status of Africans and African Americans in historical and modern times.

AAAS 3100 - Research Method/Afr American (3)

Students design research project focusing on African and African American experiences and issues.

AAAS 4100 - Seminar Afr/Afr Amer Studies (3)

Capstone course to provide an integrated and interdisciplinary understanding of the black experience which arises from culture, society, and the natural world.

AAAS 4251 - African Religions/Diaspora (3)

Transplantation of African religions to the Western hemisphere; change in religions over time; African religious thought; retention, adaptation, hybridity in religious movements.

AAAS 4351 - Ghanaian Hist/Culture (3)

Study of the history and cultures of Ghana.

AAAS 4451 - Rhetoric of Hip Hop (3)

Movement of hip-hop from its original expressions of a hidden sub-culture to its widespread acceptance in mainstream American culture.

AAAS 4501 - Internship (3-6)

Supervised internship working with public and private institutions. Seminar sessions to discuss and analyze problems facing interns. PREREQUISITE: permission of program director.

AAAS 4901 - Independent Study (1-3)

Readings and writing assignments designed to further understanding of specialized areas within African and African American Studies. May be taken for a maximum of 6 hours credit when topic varies.

AAAS 4999 - A Sense of Place (3)

Social, political, economic and cultural forces that shape and define cultural heritage and identity among African Americans in the Mid-South and Mississippi Delta.

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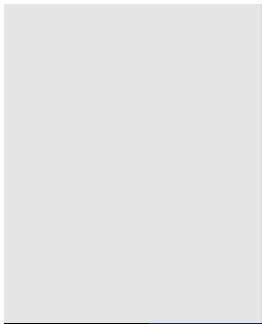
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Ruthbeth Finerman, Ph.D., Chair
Room 316, Manning Hall
<http://anthropology.memphis.edu/>

In addition to the courses below, the department may offer the following Special Topics courses:

ANTH 4990-99. Special Topics in Anthropology. (3). May be repeated for a maximum of 6 hours credit when topic varies.

ANTH 1100 - Biol Anth & Prehistory (3)

Evolutionary basis of human origins and contemporary biocultural variation; fossil record of primate and hominid evolution; beginnings of human society; discovery of agriculture and emergence of complex societies; controversies in the search for human origins. [G]

ANTH 1200 - Cultural Anthropology (3)

Origin and development of human culture; social relations, language, government, religion and ritual, and problems of developing nations or minority groups in modern world. [G]

ANTH 2301 - Fundamentals of Archaeology (4)

(Same as ESCI 2301). Hands-on experience in archaeological methods; survey of past civilizations; critical evaluation of how modern archaeological methods and theories are applied. PREREQUISITE: ANTH 1100, recommended.

ANTH 3111 - Human Paleontology (3)

Hominid fossil record starting with primate developments; human evolution; human osteology. PREREQUISITE: ANTH 1100, or permission of instructor.

ANTH 3200 - Peoples/Cultures Wrld (3)

(Same as ESCI 3200). Major ethnographic areas and selected cultures of the world. PREREQUISITE: ANTH 1200, or permission of instructor.

ANTH 3232 - Cultural Heritage Latin Am (3)

Description and distribution of prehistoric and contemporary peoples and cultures of South America and Mesoamerica; comparisons and interrelationships during pre- and post-contact periods.

ANTH 3242 - Peoples of Africa (3)

Description and distribution of peoples and cultures of Africa; comparisons and interrelationships during pre- and post-contact periods.

ANTH 3282 - American Communities (3)

Cultural historic interpretation of formation, development and transformation of diverse community life patterns in United States; analysis of community as it reflects change in settlement patterns, kinship networks, political, religious, economic and value systems in American society; exploration of contemporary approaches to community-building. [G]

ANTH 3300 - Ascent To Civilization (3)

Interdisciplinary integrative examination of nature of civilization through investigation of origins of civilization and comparative study of world's earliest civilizations.

ANTH 3511 - Culture/Kin/Family (3)

Changing structure of family in Western and non-Western societies; cross-cultural approaches to mate selection, courtship rituals, kinship organization, institution of marriage, division of labor and authority in household, and childbearing; variation and

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flexibility in family structures as adaptive strategies for environmental, social and cultural change.

ANTH 4010 - Ethnographic Methods (3)

Various qualitative and quantitative methods of anthropological research; includes preparing for field research, collecting data, analyzing data and writing ethnographic descriptions of contemporary societies. PREREQUISITE: ANTH 3200, or permission of instructor.

ANTH 4051 - Anthropology/Education (3)

Advanced study of cultural transmission process with emphasis on identifying differing behavioral, cognitive and learning styles of various ethnic groups within American society and selected third world countries; encounters of U.S. subcultural groups with public education system. PREREQUISITE: permission of instructor.

ANTH 4065 - Contemp Anth Theory (3)

Contemporary growth of theories and methods in anthropology.

ANTH 4111 - Human Adaptations (3)

Physical and cultural adaptations of humans in an evolutionary and ecological context; information from primate studies, the archaeological record and studies of contemporary societies; environmental context of physical adaptations, cultural adaptations, language, social organization. PREREQUISITE: ANTH 1100, or permission of instructor.

ANTH 4120 - Africa's New World Comm (3)

Survey of African American cultures in the New World emanating from 17th and 18th centuries slave trade; focus on African Diaspora; Caribbean, Central America, South America and North America.

ANTH 4220 - Cultural Perspec/Environment (3)

Role of culture in the use and management of natural resources; discusses how societies construct knowledge about nature and attribute value to it; examines how indigenous knowledge, alternative value systems and traditional management strategies influence policy decisions at the local, national, and international levels.

ANTH 4251 - Psychological Anthropology (3)

Examines the relationship between culture and personality; cross-cultural comparison of perspectives on cognition, mental illness, ethnopsychiatry and ethnotherapies.

ANTH 4253 - Anthropology of Religion (3)

Comparative analysis of religious systems and their functional relationships to other cultural institutions; interrelations of myth, magic, and ritual; types of religious institutions and religious practitioners.

ANTH 4270 - Ancient Human Soc/Envir Chng (3)

(Same as ESCI 4270). Examination of past people and their environments from the Ice Age to recent times; archaeological and paleoecological data. Three lecture hours per week.

ANTH 4301 - Archaeology of North America (3)

(Same as ESCI 4301). Intensive study of various prehistoric cultures from earliest times until historic contact. PREREQUISITE: ANTH 1100, 1200, or permission of instructor.

ANTH 4302 - Native People of North America (3)

Ethnology of North America; intensive study of various prehistoric cultures from earliest times until historic contact. PREREQUISITE: ANTH 1100, 1200, or permission of instructor.

ANTH 4325 - Archaeol Fld/Lab Techn (3)

(Same as ESCI 4325). Instruction in field excavation, specimen preparation, use of survey instruments and photography, map making, archaeological record keeping; methods and techniques in archaeological laboratory analysis; emphasis on organization and supervision of laboratory procedures. PREREQUISITE: permission of instructor.

ANTH 4336 - Native People/Southeast (3)

Ethnology of Southeast; intensive study of various Native American cultures in the Southeast during the post-contact period. PREREQUISITE: ANTH 1100, 1200 or permission of instructor.

ANTH 4350 - Archaeology of Collapse (3)

(Same as ESCI 4350). Emphasis on archaeology of regional politics and archaic states throughout the world. Overview of social and political collapse of complex societies.

ANTH 4352 - Old World Archaeology (3)

(3351) (Same as ESCI 4352). Old World cultures from first humans to early civilizations.

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ANTH 4411 - Urban Anthropology (3)

Anthropological studies of pre-industrial and industrial cities; urbanization, movements of social transformation and other processes of adjustment to urban milieu; urban slums, ethnic enclaves and housing developments in cross-cultural perspective; urban kinship and social organization; urban community development; urban research techniques.

ANTH 4412 - Neighborhood Dev/Social Entrep (3)

(Same as PADM 4412). Role of various institutions and their relationship to developmental needs of inner city neighborhoods; evolution of American cities as context for understanding urban neighborhoods and poverty; role of government and foundations in shaping policy at local level; rise of neighborhood associations and non-profits as extensions of family values; contributing to better understanding of neighborhoods and various intervention strategies.

ANTH 4413 - Anth of Tourism/Environment (3)

Anthropological theories on conservation, indigenous rights, sustainability, and development as related to tourism development; assessment of ecotourism strategies, including community-managed conservation tourism, "voluntourism," participatory sustainable tourism, and the role of nongovernmental organizations in tourism management; special emphasis on indigenous rights. PREREQUISITE: ANTH 1200.

ANTH 4415 - Anthropology Human Rights (3)

Anthropological approaches to critical human rights issues, debates, practices including gender, children, health, land, genocide, resettlement; broadly-defined human rights in specific national and cultural contexts; explores what anthropology, practitioners, and ethnographic methods offer our understanding of how human rights are interpreted and negotiated. PREREQUISITE: ANTH 1200, or permission of instructor.

ANTH 4416 - Culture/Identity/Power (3)

Anthropological approaches to human identity in cross-cultural contexts. Examines how culture and power inform understandings and practices related to difference and stratification, and the forces of identity formation and reproduction cross-culturally with emphasis on ways that race, ethnicity, class, gender, sexuality, religion, nation, and community are constructed, negotiated, and resisted. PREREQUISITE: ANTH 1200, or permission of instructor.

ANTH 4431 - Culture and Consumerism (3)

Advanced study of consumption from an anthropological perspective; contemporary consumer culture in the U S and around the world; emphasis on how consumption shapes/reflects individual identities and cultural trends; consumer movements and anti-consumerism; sociocultural and environmental impacts of consumer behavior; design anthropology and the role of ethnography in market.

ANTH 4510 - Health/Culture/Environ Justice (3)

Creation of health inequalities through socio-cultural forces that shape differential exposure to environmental hazards; basic concepts in cultural ecology and environmental health; anthropological approaches to understanding human biology; race and class as influences of disease risk in U. S. and global south; grassroots and community-based research efforts to combat environmental health inequalities.

ANTH 4511 - Medical Anthropology (3)

Surveys the anthropology of health, illness, and curing systems, and how cultural, evolutionary, and environmental forces shape health and healing. Topics include ethnomedicine, nutrition, mental health, reproduction, addictions, health ecology, and evolutionary medicine. Examines how illness perceptions and health behaviors yield deeper insight into identity, values, agency, and health disparities. Considers roles for applied medical anthropology to improve care.

ANTH 4512 - Complementary/Alt Medicine (3)

Focus on complementary and alternative medicine practiced in the United States and the world.

ANTH 4521 - Culture, Soc & Mental Health (3)

Examination of mental health and illness as a set of subjective experiences, social processes and objects of knowledge and intervention; cultural models of mental illness and healing; therapy as a cultural practice; substance abuse and addiction; mental health and relations of power; sociocultural dimensions of psycho-pharmacology.

ANTH 4531 - Alcohol/Drugs/Culture (3)

Cross-cultural comparison of beliefs, rituals, meaning of substance use and abuse; examination of biological and cultural evidence on origin and development problems; implications for prevention, early intervention, and treatment.

ANTH 4541 - Nutritional Anth (3)

Cross-cultural comparison of human diet; assessment; cultural and health value of foods;

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hunger and malnutrition; acculturation and dietary change.

ANTH 4551 - Culture/Sex/Childbirth (3)

Review of biological, environmental, social and cultural factors influencing human reproduction; comparison of cultural and clinical perspectives on sexual orientation and behavior, sexually transmitted diseases, fertility, birth control, pregnancy, birth and post-partum care; evaluation of alternative delivery systems in Western and non-Western societies.

ANTH 4571 - Race and Health Disparities (3)

History of scientific racism and race in the public and healthcare spheres; current understandings of human biological and genetic variation; role of cultural constructions of race in differential exposures to health hazards and access to health care; racial health disparities; strategies for addressing health inequalities.

ANTH 4660 - Museum Collections (3)

(Same as ARTH 4660). Theory, methods, collection policy, development, preservation, documentation, interpretation of museum collections. **PREREQUISITE:** permission of instructor.

ANTH 4661 - Collections Research (3)

(Same as ARTH 4661). Introduces students in object based disciplines to museum collections research methods and application to exhibitions, catalogs, scholarly publications. **PREREQUISITE:** permission of instructor.

ANTH 4662 - Museum Exhibitions (3)

(Same as ARTH 4662). Methods and theory of research, design, layout, object selection and handling, installation, public programming and evaluation. **PREREQUISITE:** permission of instructor.

ANTH 4680 - Applied Archaeology/Museums (3)

(Same as ESCI 4680). Representations of cultural heritage in a broad array of public venues; repatriation, cultural patrimony, cultural resource management, civic engagement, rights and responsibilities of stakeholders, public involvement in museum representations, performance and education, culture and memory.

ANTH 4840 - Israel/Antqty In Mdrnty (3)

(Same as JDST 4840). Interdisciplinary examination of relationship between ancient traditions and modern issues in Israel; emphasis on relationship between historical conditions, conflicts, and interconnections, and new choices facing Israel.

ANTH 4841 - Biblical Archaeology (3)

(Same as ESCI 4841 and JDST 4841). Relationship between historical texts in Hebrew Bible and historical evidence from archaeological research in Israel and surrounding area; emphasis on how archaeological evidence and biblical narratives illuminate each other.

ANTH 4970 - Directed Anth Internshp (1-3)

Supervised practical experience in application of anthropological principles in agency or facility appropriate to discipline of anthropology. Student selects topic and partner organization in consultation with faculty supervisor and department chair. **PREREQUISITE:** permission of instructor.

ANTH 4975 - Directed Ind Reading (1-4)

Intensive guided survey of anthropological and related literature; student selects a topic in consultation with a faculty member and department chair.

ANTH 4985 - Direct Ind Research (1-3)

Intensive guided research, data analysis and presentation; student selects a topic in consultation with a faculty supervisor and department chair.

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Randall J. Bayer, Ph.D., Chair
Room 239, Ellington Hall
www.memphis.edu.biology

Students must earn a grade of at least "C" in BIOL 1110/1111 and BIOL 1120/1121 before enrolling in any upper division BIOL course. A minimum grade of "C-" is required to satisfy BIOL course requirements. Additional fees are charged for some BIOL lecture and laboratory courses. See the class schedule, or the Expenses section of the Catalog.

Designated courses are taught only at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. University of Memphis residence credit is given through affiliation with the Laboratory.

In addition to the courses below, the department may offer the following Special Topics courses:

BIOL 4090-99. Special Topics in Biology. (1-3). Topics are varied and are listed in the class schedule. May be repeated with different topics. PREREQUISITE: BIOL 1120 and 1121 and junior standing. Some topics may have additional prerequisites.

BIOL 1010 - Intro to Biology I (3-4)

General overview of cellular structure and function, genes and biodiversity. NOTE: credit will not apply toward a major or minor in the sciences, nor will it satisfy any part of science requirements for pre-professional curricula. Three lecture hours per week. [G]

BIOL 1011 - Intro to Biology I Lab (1)

Explores principles and applications of basic biology through laboratory experiments, observations and demonstrations; emphasis on cellular structure, function and diversity and on introductory genetics. NOTE: credit will not apply toward a major or minor in the sciences, nor will it satisfy any requirements for pre-professional curricula. Two laboratory hours per week. PREREQUISITE or COREQUISITE: BIOL 1010. [G]

BIOL 1020 - Intro to Biology II (3-4)

General overview of life; emphasis on structure and function of organisms and biosphere. NOTE: credit will not apply toward a major or minor in the sciences, nor will it satisfy any part of science requirements for pre-professional curricula. BIOL 1010 is not a prerequisite for this course. Three lecture hours per week. [G]

BIOL 1021 - Intro to Biology II Lab (1)

Laboratory observations, demonstrations and experiments designed to apply scientific methods to lecture subjects. NOTE: Credit will not apply toward a major or minor in the sciences, nor will it satisfy any requirements for pre-professional curricula. Two laboratory hours per week. PREREQUISITE or COREQUISITE: BIOL 1020. [G]

BIOL 1110 - General Biology I (3-4)

Unifying principles of biology with emphasis on cell structure, cell function, heredity, development and evolution. NOTE: course designed for students majoring in the natural sciences or pursuing a pre-professional program. Three lectures hours per week. PREREQUISITE: CHEM 1110. [G]

BIOL 1111 - General Biology I Lab (1)

Investigative laboratories in introductory cell and molecular biology with emphasis on experimental theory and design, practical laboratory skills; interpretation of data; documentation and communication of laboratory work. NOTE: course designed for students majoring in the natural sciences or pursuing a pre-professional program. Three

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Supply Chain Management Science (SCMS)
Economics (ECON)

laboratory hours per week. PREREQUISITE: CHEM 1110. PREREQUISITE or COREQUISITE: BIOL 1110. [G]

BIOL 1120 - General Biology II (3-4)

Continuation of BIOL 1110 with emphasis on origin and diversity of life; structure, functions, and ecology of organisms. NOTE: course designed for students majoring in the natural sciences or pursuing a pre-professional program. Three lecture hours per week. PREREQUISITE: BIOL 1110 and BIOL 1111. [G]

BIOL 1121 - General Biol II Lab (1)

Laboratory observations, demonstrations and experiments designed to apply scientific methods to lecture subjects. NOTE: course designed for students majoring in the natural sciences or pursuing a pre-professional program. Three laboratory hours per week. PREREQUISITE or COREQUISITE: BIOL 1120. [G]

BIOL 1230 - Microbiology (3)

(MMCS 1230). Microorganisms and their basic characteristics, with emphasis on relationship to pathogenesis and disease prevention. NOTE: credit will not apply toward a major or minor in the sciences. Three lecture hours per week.

BIOL 1231 - Microbiology Lab (1)

(MMCS 1231). Laboratory observations, demonstrations and experiments designed to apply scientific methods to lecture subjects. NOTE: credit will not apply toward a major or minor in the sciences. Two laboratory hours per week. PREREQUISITE or COREQUISITE: BIOL 1230.

BIOL 2010 - Anatomy/Physiology I (3-4)

Detailed study of structure and functions of human organism; credit not acceptable for Biology major or minor. Three lecture hours per week.

BIOL 2011 - Anat/Physiology I Lab (1)

Laboratory observations, demonstrations and experiments designed to help students develop a working knowledge of anatomy and physiology. Topics covered are anatomical terminology, genetics, and the integumentary, skeletal, muscular, and nervous systems. Two laboratory hours per week. PREREQUISITE or COREQUISITE: BIOL 2010.

BIOL 2020 - Anatomy/Physiology II (3-4)

Continuation of BIOL 2010; credit not acceptable for Biology major or minor. Three lecture hours per week.

BIOL 2021 - Anat/Physiology II Lab (1)

Laboratory observations, demonstrations and experiments designed to help students develop a working knowledge of anatomy and physiology. Topics covered are the special senses, and the circulatory, cardiovascular, respiratory, digestive, urinary, and reproductive systems. Two laboratory hours per week. PREREQUISITE or COREQUISITE: BIOL 2020.

BIOL 3030 - Principle of Animal Physiology (4)

Basic concepts of animal function, including study of many invertebrate phyla and most classes of vertebrate organisms. Two lecture hours, four laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 3050 - General Ecology (3)

Relationships between organisms and their environment; emphasis on fundamental principles; topics include: nutrient cycles, limiting factors, population dynamics, community succession and structure, species interactions, and human ecology. Three lecture hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 3051 - General Ecology Lab (2)

Laboratory and field experiments elucidating basic ecological concepts, including population dynamics, nutrient cycles, limiting factors, community succession and structure, species interactions, human ecology. Four laboratory hours per week. PREREQUISITE: BIOL 3050.

BIOL 3072 - Genetics (3)

Principles of heredity, including classical, microbial, molecular, and population genetics. Three lecture hours per week. PREREQUISITE: BIOL 3130 or 3500.

BIOL 3073 - Genetics Laboratory (1)

Laboratory experiments in classical, microbial, molecular, and population genetics designed to illustrate principles of heredity. Three laboratory hours per week. PREREQUISITE or COREQUISITE: BIOL 3072 or equivalent.

BIOL 3130 - Cell Biology (3)

(MMCS 3130). Introduction to principles of cell and molecular biology as they relate to eukaryotic cells with emphasis on functions common to most cell types. Three lecture

Finance (FIR)

Hospitality and Resort Management (HPRM)
Management Information Systems (MIS) Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 3200 - General Botany (4)

Structure, function and diversity of plants. Two lecture hours, four laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 3500 - Micro I/Fundmntl Aspect (3)

(MMCS 3500). Origins, composition, structure, growth, genetics, genomics of viruses and microorganisms. Three lecture hours per week. PREREQUISITE: BIOL 1120 and 1121 and CHEM 1120.

BIOL 3505 - Gen Microbiology Lab (2)

(MMCS 3600). Essential microbiological laboratory skills such as aseptic technique, microscopy, and bacterial culture and characterization. Four laboratory hours per week. PREREQUISITE or COREQUISITE: BIOL 3500.

BIOL 3550 - Micro II/Med/Appl Aspct (3)

(MMCS 3550). Bacterial diversity, associations including symbiosis, pathogenesis, micro-to planetary-scale ecology; microbial biotechnology. Three lecture hours per week. PREREQUISITE: BIOL 3500.

BIOL 3610 - Vertebrate Embryology (4)

Development of selected vertebrate embryos from fertilized egg cell. Two lecture hours, four laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 3620 - Comp Anatomy of Vertebrts (5)

Origin, development, structure, and functions of organs and systems of selected forms of vertebrates. Two lecture hours, six laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 3730 - Vertebrate Physiology (4)

Normal function of the organ systems of vertebrates, with an emphasis on mammals. Three lecture hours, two laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 3751 - Vertebrate Zoology (4)

Life histories, adaptations, ecology, distribution, behavior, and classification of vertebrates. Two lecture hours, four laboratory per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 3800 - Parasitology (4)

Distribution, morphology, life history, economic importance, and control of some of parasites of man and domestic animals; protozoa through helminths. Two lecture hours, four laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4000 - Research I (1-3)

Consultation, reading, and laboratory and/or field work in a selected area of biology under supervision of faculty member. Regular attendance at weekly departmental seminar is required. No more than five total credit hours of research and practicum (BIOL 4000, BIOL 4001, BIOL 4570) can be applied toward major requirements. (S/U). PREREQUISITE: BIOL 1120 and 1121.

BIOL 4001 - Research II (2-3)

A continuation of the laboratory and/or field project initiated in BIOL 4000 under supervision of the same faculty member; formal paper and presentation of research results at a professional meeting or departmental seminar required. No more than five total credit hours of research and practicum (BIOL 4000, BIOL 4001, BIOL 4570) can be applied toward major requirements. PREREQUISITE: BIOL 4000 (S/U).

BIOL 4050 - Field Tech In Ecology (4)

Field techniques of applied ecology covering practical training in forest, field, aquatic, and atmospheric sampling and analysis; extended field trips. Two lecture hours, four laboratory hours per week. PREREQUISITE: permission of instructor.

BIOL 4051 - Marine Ecology (5)

This course is taught only at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. University of Memphis residence credit is given through affiliation with the Laboratory. Relationship of marine organisms to environment includes effects of temperature, salinity, light, nutrient concentration, currents, food, predation and competition on the abundance and distribution of marine organisms. PREREQUISITE: 16 hours of biology including general zoology, general botany, and invertebrate zoology.

BIOL 4052 - Flora Of Tennessee (3)

Field course in identifying native and nonnative species, including key morphological factors necessary to identify plant species, typical habitats of the species identified, and proper procedures for collecting and mounting specimens. One lecture hour, four

University College

[Family and Consumer Science \(CSED\)](#)
[Paralegal Studies \(LEGL\)](#)
[University College \(UNIV\)](#)

Independent Programs

[Orientation Program \(ACAD\)](#)
[University Honors Program \(UNHP\)](#)
[University of Memphis Libraries \(LBRY\)](#)
[Interdisciplinary Studies \(INTD\)](#)

field hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4053 - Plant Ecology (4)

Relationships of plants and environmental factors at physiological, population, and community scales; study of ecosystem dynamics at local and landscape scales; emphasis on field techniques. Two lecture hours, four laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4054 - Wetland Ecology (4)

Study of wetlands and wetland resources; attributes of hydrology, biogeochemistry and wetland plants with emphasis on bottomland hardwood forests. Two lecture hours, four laboratory hours per week. PREREQUISITE: BIOL 3050 and permission of instructor.

BIOL 4055 - Ecology/Environment Iss (3)

Ecological perspective on current environmental issues such as conservation and biodiversity, global climatic change, regulation of chemicals in environment. Three lecture hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4056 - Tropical Ecology (4)

Lecture and field intensive course in ecology of the tropics. International travel required for laboratory portion of course. Two lecture hours, four laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4057 - Large River Ecology (3)

Field intensive course on physical and biological processes of large river systems; focus on Mississippi River channel and floodplain ecology; controlling flooding regime, physical processes of rivers, communities associated with floodplain and in-channel habitats. Offered every other summer at Edward J. Meeman Biological Field Station.

BIOL 4060 - Limnology (4)

Physical and chemical attributes of lakes, ponds, and streams; organisms of fresh water, problems of production, practical training in limnological methods and identification of organisms. Two lecture hours, four laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4071 - Human Genetics (3)

Genetic principles as applied to humans, including pedigree analysis, genetic counseling, cancer, genomics. Three lecture hours per week. PREREQUISITE: BIOL 3072.

BIOL 4100 - Evolution (3)

Synthesis of principles and concepts of modern evolutionary theory; geologic evolution, biological evolution, and evolution of societies; emphasis on recent development and current controversies. Three lecture hours per week. PREREQUISITE: BIOL 3072.

BIOL 4150 - Developmental Biology (3)

(MMCS 4150). Introduction to study of developing biological systems at cellular and molecular level. Three lecture hours per week. PREREQUISITE: BIOL 3072 and CHEM 3511.

BIOL 4200 - Marine Botany (4)

This course is taught only at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. University of Memphis residence credit is given through affiliation with the Laboratory. Local examples of principal groups of marine algae and maritime flowering plants, treating structure, reproduction, distribution, identification and ecology. PREREQUISITE: ten hours of biology, including introductory botany.

BIOL 4230 - Plant Physiology (3)

(3230). Whole plant functioning and plant responses to environmental stresses and pollution. Three lecture hours per week. PREREQUISITE: BIOL 1120 and 1121, or permission of instructor.

BIOL 4241 - Biogeog/GIS Analyses/Ecology (3)

(Same as ESCI 4241). Basic principles of interaction between geography, organism diversity and evolution; physical factors limiting species distribution, theories of island biogeography, geographical modes of speciation. Laboratories introduce principles of GIS, basic functions of ArcGIS, and other programs relevant to ecological studies. Two lecture hours, two laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121, or permission of instructor.

BIOL 4245 - Plant Systematics/Evolution (4)

Evolution and classification of flowering plants, Angiosperms; diversity of flowering plants on worldwide basis; relationship of major flowering plant families; systems of classification, nomenclature, field collecting techniques, preparation of specimens, family characteristics. Laboratories include practical aspects of flowering plant classification and identification. Three lecture hours and three laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121, or BIOL 3200, or permission of instructor.

BIOL 4300 - Microbial Physiology (3)

(MMCS 4300). Cell structure and function; biosynthesis, degradation and metabolic regulation; regulation of growth. Three lecture hours per week. PREREQUISITE: BIOL 3500 and CHEM 3511.

BIOL 4325 - Microbial Genetics (3)

(MMCS 4325). Introduction to the principles of microbial genetics with emphasis on bacteriophage, prokaryotic and yeast genetics; mutation, conjugation, transformation, transduction, recombination, plasmids, gene mapping and applications of genetic modifications are covered. Three lecture hours per week. PREREQUISITE: BIOL 3072, 3500, CHEM 1120.

BIOL 4350 - Microbial Biotechnology (3)

(MMCS 4350). Principles underlying practical applications of microorganisms, including synthesis of commercial products, vaccines and antibodies, bioremediation and biomass utilization, plant biotechnology and food production. Three lecture hours per week. PREREQUISITE: BIOL 3550 and CHEM 3511.

BIOL 4375 - Molec Biol/Parasite (4)

(MMCS 4375). Parasites with emphasis on molecular and immunological aspects of their biology; parasites of humans emphasized with some examples of parasites of companion animals and livestock; biology, treatment and prevention of parasitic diseases. Three lecture hours, two laboratory hours per week. PREREQUISITE: BIOL 3130 or 3550.

BIOL 4380 - Histology/Tissue/Organ (4)

(MMCS 4380). Histology, with emphasis on the relationship between structure and function in mammalian tissues and organs; human histology emphasized. Three lecture hours and three laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4401 - Plant Cell Molec Biol (3)

(MMCS 4400). The cellular and molecular basis of plant development, including plant hormones, signal transduction, regulation by light, plant-microbe interactions and plant transformation. Three lecture hours per week. PREREQUISITE: BIOL 3130 and BIOL 3072.

BIOL 4440 - Pathogenic Bacteriology (3)

(MMCS 4440). Unifying concepts in bacterial pathogenesis, with emphasis on molecular aspects of pathogenesis and modern approaches to pathogenesis research; introduction to immunology; human microbiota and opportunistic pathogens; pathogen evolution; virulence factor regulation, delivery, and mechanism; antibiotics and antibiotic resistance; vaccination. Three lecture hours per week. PREREQUISITE: BIOL 3550 and CHEM 3511.

BIOL 4445 - Immunology (3)

(MMCS 4445). Antigens, immunoglobulin classes, cells and cytokines of immune response, complement system, hypersensitivities, blood groups, vaccines and immunity. Three lecture hours per week. PREREQUISITE: BIOL 3130 or 3500 and CHEM 3511.

BIOL 4450 - Microbial Ecology (3)

(MMCS 4450). Roles of microorganisms in the environment; microbial processes, interactions with the environment and biota, population ecology, community ecology, and biodegradation. Three lecture hours per week. PREREQUISITE: BIOL 3130 or 3500.

BIOL 4461 - Adv Gen Microbiol Lab (2)

(MMCS 4460). Application of modern laboratory techniques and instrumentation to experiments in microbial physiology, genetics, ecology and biotechnology. Four laboratory hours per week. PREREQUISITE: BIOL 3505 and 3550.

BIOL 4465 - Adv Medical Micro Lab (2)

(MMCS 4465). Application of modern laboratory techniques and instrumentation to experiments in pathogenic bacteriology, immunology, virology and parasitology. Four laboratory hours per week. PREREQUISITE: BIOL 3505 and 3550.

BIOL 4470 - Molecular Genetics (4)

(MMCS 4470). Structure, function and replication of DNA, recombination, colinearity of DNA with genetic map, mutagenesis, plasmids, genetic code, protein synthesis, suppression, regulation of gene expression, genetic engineering and immunogenetics. For students without formal training in molecular genetics. Four lecture hours per week. PREREQUISITE: BIOL 3130 or 3500 and BIOL 3072.

BIOL 4480 - Cellular/Molec Pharm (3)

Study of mechanisms by which therapeutic agents regulate physiological function of cells comprising organ systems such as heart and central nervous system; drug action (pharmacodynamics) at the molecular, cellular and organ level; common diseases affecting a system. PREREQUISITE: CHEM 1120, BIOL 3130.

BIOL 4500 - Marine Microbiology (5)

This course is taught only at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. University of Memphis residence credit is given through affiliation with the Laboratory. Role of microorganisms in overall ecology of oceans and estuaries.

PREREQUISITE: general microbiology and environmental microbiology, or permission of instructor.

BIOL 4501 - Virology (3)

(MMCS 4501). Introductory study of viruses of human and veterinary significance and methods of cultivation, isolation and characterization; study of pathogenic mechanisms. Three lecture hours per week. PREREQUISITE: BIOL 3130, 3500 or 3550.

BIOL 4503 - Lab Tech In Biochem (2)

(MMCS 4503). (Same as CHEM 4501). Biochemical techniques, analysis and design strategies; properties of protein/enzymes, including binding, catalysis, kinetics, electron and proton transport processes of intermediate metabolism; purification, characterization and assay of enzymes using chromatography, spectroscopy and electrophoresis. Six laboratory hours per week. PREREQUISITE: CHEM 3501.

PREREQUISITE OR COREQUISITE: BIOL 4511 or CHEM 4511.

BIOL 4504 - Lab Tech Molecular Biol (2)

(MMCS 4504). Biochemical and molecular biology laboratory techniques; emphasis on nucleic acids and recombinant DNA; vector design and practical incorporation into host systems; product expression, isolation and identification; bioinformatics in research design strategies. Six laboratory hours per week. PREREQUISITE or COREQUISITE: BIOL 4512 or CHEM 4512, or permission of instructor.

BIOL 4511 - Biochemistry I (3)

(MMCS 4511). (Same as CHEM 4511). Chemistry of amino acids and proteins related to their properties in biochemical systems; protein conformation studies; enzymology, coenzymes and their functions; importance of pH and bioenergetics in catalysis; protein and carbohydrate metabolism. Three lecture hours per week. PREREQUISITE: CHEM 3511 with at least a C-.

BIOL 4512 - Biochemistry II (3)

(MMCS 4512). (Same as CHEM 4512). Continuation of BIOL 4511; chemistry of lipids; metabolism, membrane formation and function in cell signaling mechanisms and sensory transduction; chemistry of nucleotides, DNA and RNA; mechanisms of information storage and transmission; advanced treatment of enzyme kinetics. Three lecture hours per week. PREREQUISITE: BIOL 4511 or CHEM 4511.

BIOL 4570 - Practicum In Biology (3)

Directed extra-departmental studies, including internships, in special areas of biology; formal paper and presentation of research results at a departmental seminar required. No more than five total credit hours of research and practicum (BIOL 4000, BIOL 4001, BIOL 4570) can be applied toward major requirements. PREREQUISITE: approval from Undergraduate Studies Committee. (S/U)

BIOL 4600 - Marine Vert Zoo Icht (6)

This course is taught only at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. University of Memphis residence credit is given through affiliation with the Laboratory. Marine Chordata, including lower groups of mammals and birds; emphasis on fishes. PREREQUISITE: sixteen semester hours of zoology including comparative anatomy, or permission of instructor.

BIOL 4604 - Animal Behavior (4)

Animal behavior, primarily from ecological, physiological, developmental and evolutionary perspective. Two lecture hours, two laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4610 - Honors Senior Seminar (1)

Student involvement in attending seminars; reading, discussing and presenting specialized topics in biology. No more than 1 credit hour of seminar can be applied toward degree requirement. PREREQUISITE: senior standing and permission of instructor and Director of University Honors Program. (S/U)

BIOL 4630 - General Endocrinology (3)

Anatomy and physiology of the organs of internal secretion; role of hormones in metabolism and development. Three lecture-demonstration hours per week. PREREQUISITE: BIOL 3030 or 3730, or permission of instructor.

BIOL 4635 - Neurobiology (3)

Basic structure and function of nervous system and its development; resting membrane potential, structure/function of ion channels; mechanisms of action potential conduction, presynaptic neurotransmitter vesicle exocytosis, postsynaptic receptors and signal transduction pathways, synaptic structure and development. Three lecture hours

per week. PREREQUISITE: BIOL 3130 or permission of instructor.

BIOL 4640 - Ornithology (4)

Biology of birds, with emphasis on avian anatomy, physiology, behavior, and reproductive biology. Field trips emphasize identification of local species and techniques of field study. Two lecture hours, four field/laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4644 - Ichthyology (4)

Fishes, with special emphasis upon the kinds that occur in Tennessee; collection, preservation, and identification; life histories, management, and economic importance of fishes. Two lecture, four laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4646 - Marine Fisheries Mgmt (4)

This course is taught only at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. University of Memphis residence credit is given through affiliation with the Laboratory. Overview of practical marine fishery management problems. PREREQUISITE: permission of instructor.

BIOL 4651 - Field Tech/Vertebrate Zoology (4-6)

Techniques in field study of vertebrates. Extended field studies outside local area. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4730 - Urban/Wildlife Eco/Mgmt (3)

The study of interrelations and management of organisms considered part of the wildlife realm (game and non-game) in urban environments. Provides an exposure to information required to understand ecological and wildlife issues in urban areas and to develop management strategies for maintaining sustainable natural resources on disturbed landscapes. Three lecture hours per week. PREREQUISITE: BIOL 3050 or permission of instructor.

BIOL 4740 - Mammalogy (4)

Classification, distribution, life histories, economic importance, techniques of field study, methods of collection and preservation of mammals. Two lecture hours, four laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4744 - Herpetology (4)

Classification, distribution, life histories, techniques of collection and preservation, and natural habitats of North American reptiles and amphibians. Two lecture hours, four laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4745 - Tropical Herpetology (4)

Lecture and field intensive course. International travel required for laboratory portion of course. Two lecture hours, four laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4800 - Marine Invertebrate Zoo (6)

This course is taught only at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. University of Memphis residence credit is given through affiliation with the Laboratory. Important free living, marine estuarine invertebrates of the Mississippi Sound and adjacent continental shelf of the northeastern Gulf of Mexico, emphasis on structure, classification, phylogenetic relationships, larval development and functional processes. PREREQUISITE: 16 hours of zoology including introductory invertebrate zoology.

BIOL 4840 - Invertebrate Zoology (4)

Invertebrate phyla with emphasis on phylogeny, embryology, and ecology of selected groups; extended field trip. Two lecture hours, four laboratory hours per week. PREREQUISITE: permission of instructor.

BIOL 4844 - Parasites Marine Animals (6)

This course is taught only at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. University of Memphis residence credit is given through affiliation with the Laboratory. Parasites of marine animals; emphasis on morphology, taxonomy, life histories and host-parasite relationships. Lecture, laboratory and field work included. PREREQUISITE: general parasitology, or permission of instructor.

BIOL 4850 - Fauna/Ecology Tidal Marsh (4)

This course is taught only at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. University of Memphis residence credit is given through affiliation with the Laboratory. Survey and discussion of taxonomy, distribution, trophic relationships, reproductive strategies and adaptation of tidal marsh animals; emphasis on those occurring in northern Gulf marshes. PREREQUISITE: 16 hours of biology and junior standing, or permission of instructor.

BIOL 4900 - Entomology (4)

Morphology, physiology, behavior and ecology of insects. Three lecture hours, two laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121.

BIOL 4914 - Research Methods/Tigers Teach (3)

Fundamental notions of scientific inquiry for students who might be teaching secondary science or mathematics. NOTE: students may not receive credit for more than one of BIOL 4914, CHEM 4914, or PHYS 4914. PREREQUISITE: BIOL 1120 and 1121. Enrollment restricted to students in the Tigers Teach program.

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Abby Parrill-Baker, Ph.D., Chair
Room 210, J.M. Smith Building
<http://www.chem.memphis.edu/>

Additional fees are charged for some Chemistry lecture and laboratory courses. See the online class listings or the Expenses section of the Catalog.

In addition to the courses below, the department may offer the following Special Topics courses:

CHEM 4180-99. Special Topics In Inorganic Chemistry. (1-3). Topics in inorganic chemistry that are of current interest. Topics are varied and in online class listings.

PREREQUISITE: CHEM 3111 with at least C- and permission of instructor.

CHEM 4280-99. Special Topics In Analytical Chemistry. (1-3). Topics of current interest in analytical chemistry. Topics are varied and in online class listings.

PREREQUISITE: CHEM 3211 with at least C- and permission of instructor.

CHEM 4380-99. Special Topics In Organic Chemistry. (1-3). Topics of current interest in organic chemistry. Topics are varied and in online class listings. PREREQUISITE: CHEM 3310 with at least C- and permission of instructor.

CHEM 4480-4499. Special Topics in Physical Chemistry. (1-3). Topics of current interest in physical chemistry. Topics are varied and in online class listings.

PREREQUISITE: CHEM 3411 with at least C- and permission of instructor.

CHEM 4580-99. Special Topics in Biochemistry. (1-3). Topics of current interest in biochemistry. Topics are varied and in online class listings. PREREQUISITE: CHEM 4512 with at least C- and permission of instructor.

CHEM 1010 - Chemistry of Materials (3-4)

Measurement and the scientific method; states of matter; fundamental laws of chemistry; modern atomic theory; water and aqueous solutions; oxidation-reduction and acid-based reactions; nuclear chemistry; energy and materials in modern society; environmental impact and sustainability. NOTE: not credited toward major in any of the physical sciences, biological sciences, mathematics, or engineering. Three lecture hours per week. PREREQUISITE: MATH 1420 or MATH 1710 or a score on the ALEKS math exam appropriate for placement in MATH 1710. [G]

CHEM 1011 - Chemistry of Materials Lab (1)

Experiments and experimental techniques in general and inorganic chemistry. Two laboratory hours per week. PREREQUISITE or COREQUISITE: CHEM 1010. [G]

CHEM 1020 - Chemistry of Life (3-4)

Basics of organic and biological chemistry: properties, reactions and nomenclature of enzymes, organic functional groups; amino acids, lipids, carbohydrates, nucleic acids and biochemical pathways. NOTE: not credited toward major in any of the physical sciences, biological sciences, mathematics, or engineering. Three lecture hours per week. PREREQUISITE: high school chemistry or CHEM 1010, and MATH 1420 or MATH 1710 with a minimum grade of C-, or a score on the ALEKS math exam appropriate for placement in MATH 1710. [G]

CHEM 1021 - Chemistry of Life Lab (1)

Experiments and experimental techniques in organic and biochemistry. Two laboratory hours per week. PREREQUISITE or COREQUISITE: CHEM 1020. [G]

CHEM 1100 - Prep General Chemistry (3)

For students whose curriculum requires CHEM 1110 but who have inadequate background; emphasis on scientific calculations and properties of matter. NOTE: does not satisfy any part of science requirement for any degree. Three lecture hours per week. PREREQUISITE OR COREQUISITE: MATH 1710 or 1730 with a minimum grade of C- (or equivalent) or score on ALEKS math placement exam appropriate for placement into

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management (EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

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Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

MATH 1830 or higher.

CHEM 1110 - General Chemistry I (3-4)

Laws of chemistry; periodic table and chemical periodicity. stoichiometry, nomenclature. modern atomic theory and bonding; ionic and molecular compounds; molecular geometry; oxidation-reduction reactions; solutions and heterogeneous mixtures; gaseous state; states of matter and intermolecular forces; thermochemistry. Three lecture hours per week. PREREQUISITE: high school chemistry or CHEM 1100 or CHEM 1010, and MATH 1710 or MATH 1730 (or equivalent) with at least C-, or score on math placement exam (ALEKS) earning placement into MATH 1830 or higher. COREQUISITE: CHEM 1111 recommended. [G]

CHEM 1111 - General Chemistry I Lab (1)

Experiments and experimental techniques in general chemistry. Three laboratory hours per week. PREREQUISITE with at least C- or COREQUISITE: CHEM 1110 . [G]

CHEM 1120 - General Chemistry II (3-4)

Continuation of CHEM 1110. Physical properties of solutions; acid-based reactions; chemical kinetics and reaction mechanisms; chemical equilibrium; thermodynamics; electrochemistry; chemistry of elements. Three lecture hours per week. PREREQUISITE: CHEM 1110 with at least C-. COREQUISITE: CHEM 1121 recommended. [G]

CHEM 1121 - General Chemistry II Lab (1)

Continuation of CHEM 1111. Three laboratory hours per week. PREREQUISITE: CHEM 1111 with at least C-. PREREQUISITE with at least C- or COREQUISITE: CHEM 1120. [G]

CHEM 3111 - Foundations/Inorganic CHEM (3)

Theoretical and applied inorganic chemistry; Group Theory; chemical nomenclature; periodic trends; acid/base and redox reactions and electrochemistry; coordination chemistry; bonding theories; fundamental concepts of crystal field theory and modern inorganic chemistry; inorganic energetics, kinetics, thermodynamics. Three lecture hours per week. PREREQUISITE: CHEM 1120 with at least C-.

CHEM 3201 - Foundation/Analytical CHEM lab (2)

Application of the techniques of quantitative analysis in areas described in CHEM 3211. Six laboratory hours per week. PREREQUISITE with at least C- or COREQUISITE: CHEM 3211.

CHEM 3211 - Foundations/Analytical CHEM (3)

Theory and practice of modern chemical analysis; acid base, redox, and complex ion equilibria, separation methods, absorptiometry, flame spectroscopy, and electroanalytical methods. Two lecture hours per week. PREREQUISITE: CHEM 1120 and CHEM 1121 with at least C-. COREQUISITE: CHEM 3201 recommended.

CHEM 3301 - Foundations/Organic CHEM Lab (1)

Emphasis on laboratory techniques as applied to synthesis and other reactions. Three laboratory hours per week. PREREQUISITE: CHEM 1120 and 1121 with at least C-. PREREQUISITE with at least C- or COREQUISITE: CHEM 3310.

CHEM 3310 - Foundations/Organic Chemistry (3)

Systematic study of structures, physical properties, reactivity of organic compounds; interpretations based on modern theories of organic chemistry; emphasis on alcohols, amines, carboxylic acids and their derivatives. Three lecture hours per week. PREREQUISITE: CHEM 1120 with at least C-.

CHEM 3402 - Physical Chemistry Lab (2)

Measurements of physical properties, reaction rates, and equilibria; application of electrochemistry and calorimetry. Six laboratory hours per week. PREREQUISITE: CHEM 3411 with at least C-. PREREQUISITE with at least C- or COREQUISITE: CHEM 3412.

CHEM 3411 - Foundations/Physical Chemistry (3)

Fundamentals of thermodynamics and kinetics and their applications in chemical and biological systems; selected topics in the areas of surface chemistry, spectroscopy and macromolecules. Three lecture hours per week. PREREQUISITE: MATH 1830 or MATH 1910, PHYS 2020/2021 or 2120/2121 with at least C-; CHEM 3211 with at least C-.

CHEM 3412 - Physical Chemistry II (3)

Aspects of thermodynamics and kinetics with emphasis on the derivation and mathematical treatment; quantum chemistry, chemical bonding, statistical mechanics, spectroscopy and other methods of structure determination. PREREQUISITE: CHEM 3411 and MATH 2110 with at least C-.

CHEM 3501 - Foundation/Bioorganic CHEM lab (1)

Computational and experimental studies of concentrations, structures and functions of biomolecules, including amino acids, proteins, carbohydrates, lipids, and nucleic acids. Three laboratory hours per week. PREREQUISITE: CHEM 3301 with at least C-.

Finance (FIR)

Hospitality and Resort Management (HPRM)

Management Information Systems (MIS)

Management (MGMT)

Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)

Art (ART)

Art History (ARTH)

Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)

Music

Applied Music (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and

Appreciation (MUHL)

Music Industry (MUID)

Music Theory and Composition (MUTC)

Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)

Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)

Health and Human Performance (EXSS)

Health and Sport Sciences (HMSE)

Health Promotion (HPRO)

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Physical Education Teacher Education (PETE)

Sport and Leisure Commerce (SLC)

Sport and Leisure Management (SLS)

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Early Childhood Education (ECED)

Educational Services (EDSV)

Elementary Education (ELED)

Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)

Civil Engineering (CIVL)

Electrical and Computer Engineering (EECE)

Engineering (ENGR)

Mechanical Engineering (MECH)

Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

PREREQUISITE or COREQUISITE: CHEM 3511 with at least a C-.

CHEM 3511 - Foundations/Bioorganic CHEM (3)

Systematic study of structure of biomolecules, including amino acids, proteins, carbohydrates, lipids and nucleic acids; emphasis on functional consequences. Three lecture hours per week. PREREQUISITE: CHEM 3310 with at least C-.

CHEM 4001 - Environmental Chemistry (3)

Chemical phenomena occurring in soil, atmospheric and aquatic environments; consideration of natural resources and energy. Three lecture hours per week. PREREQUISITE: CHEM 3310 and CHEM 3211 with at least C-.

CHEM 4111 - Intermediate Inorganic CHEM (3)

Theoretical and applied inorganic chemistry; relationship of structure and bonding to properties of elements and compounds; molecular orbital theory, coordination compounds and organometallics, ligand field theory, nonaqueous solvent systems, and reaction mechanisms. Three lecture hours per week. PREREQUISITE: CHEM 3111 with at least C-, or permission of the instructor.

CHEM 4201 - Instrumental Analysis Lab (1)

Application of techniques of instrumental analysis in areas of atomic and molecular spectroscopy, mass spectrometry, electroanalytical chemistry and chromatography. Three laboratory hours per week. PREREQUISITE: CHEM 3211 with minimum grade of C-, and PREREQUISITE with minimum grade of C- or COREQUISITE: CHEM 4211 .

CHEM 4211 - Instrumental Analysis (3)

Topics in modern analytical instrumental analysis; atomic and molecular spectroscopy, mass spectrometry, electroanalytical chemistry and chromatography. Three lectures hours per week. PREREQUISITE: CHEM 3211 with at least C-.

CHEM 4311 - Physical Organic Chemistry (3)

Theory of electronic structure organic compounds, relation between structure and reactivity of organic compounds, mechanisms of common organic reactions. Three lecture hours per week. PREREQUISITE: CHEM 3310 and 3511 with at least a C-. Repeat no more than two times.

CHEM 4315 - Organic Medicinal Chem (3)

Introduction to principles of medicinal chemistry; structure, synthesis, and biochemical mechanism of action of major drug classes. Three lecture hours per week. PREREQUISITE: CHEM 3511 with at least C-.

CHEM 4406 - Molecular Spectroscopy Lab (1)

Determination of molecular structure of compounds using nuclear magnetic resonance spectroscopy, infrared spectroscopy, and mass spectrometry. Three laboratory hours per week. PREREQUISITE: CHEM 3301 with at least C-. PREREQUISITE with at least C- or COREQUISITE: CHEM 4416.

CHEM 4411 - Advanced Physical Chem (3)

Advanced topics in physical chemistry; statistical mechanics and statistical thermodynamics plus selected topics in the areas of kinetic theory of gases, condensed phases, and non-equilibrium processes. PREREQUISITE: CHEM 3411 with at least C-, or permission of instructor.

CHEM 4415 - Computational Chemistry (3)

Application of computers to address problems in organic and inorganic chemistry; emphasis on use of quantum chemistry codes to solve problems related to electronic, molecular, and vibrational structure problems. PREREQUISITE: CHEM 3411 with at least C- and permission of instructor.

CHEM 4416 - Molecular Spectroscopy (3)

Theory, instrumentation and applications of NMR, FT-IR, mass spectrometry, and UV-visible spectroscopy. Application and theory of other spectroscopic methods will be discussed briefly. Three lecture hours per week. PREREQUISITE: CHEM 3310 and 3411 with at least C-.

CHEM 4501 - Lab Tech In Biochem (2)

(Same as BIOL 4503). Biochemical techniques, analysis and design strategies; properties of proteins/enzymes, including binding, catalysis, kinetics, electron and proton transport processes of intermediate metabolism; purification, characterization and assay of enzymes using chromatography, spectroscopy, electrophoresis. Six laboratory hours per week. PREREQUISITE: CHEM 3501 with at least C-. PREREQUISITE or COREQUISITE: BIOL 4511 (or 6511) OR CHEM 4511 (or 6511).

CHEM 4511 - Biochemistry I (3)

(Same as BIOL 4511). Chemistry of amino acids and proteins related to their properties in biochemical systems; protein conformation studies; enzymology, coenzymes and their

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Interdisciplinary Studies (INTD)

functions; importance of pH; bioenergetics in catalysis; protein and carbohydrate metabolism. Three lecture hours per week. PREREQUISITE: BIOL 1120 and CHEM 3511 with at least C-.

CHEM 4512 - Biochemistry II (3)

(Same as BIOL 4512). Continuation of CHEM 4511; chemistry of lipids; metabolism, membrane formation and function in cell signaling mechanisms and sensory transduction; chemistry of nucleotides DNA and RNA; mechanisms of information storage and transmission; advanced treatment of enzyme kinetics. Three lecture hours per week. PREREQUISITE: BIOL 4511 or CHEM 4511 with at least C-.

CHEM 4603 - Materials Synthesis Lab (1)

Practical application of modern chemical synthesis; experimental studies in synthetic organic, organometallic, inorganic, polymer, and nanomaterial chemistry. Three laboratory hours per week. PREREQUISITE: CHEM 3301 with at least C-. PREREQUISITE with at least C- or COREQUISITE: CHEM 4613

CHEM 4604 - Instrumental Methods (3)

Analytical instrumental techniques including molecular spectroscopy, chromatography, atomic spectroscopy, and electrochemical analysis. Two lecture hour, three laboratory hours per week. PREREQUISITE: CHEM 3201, 3211, and 3312 with at least C-, or permission of instructor.

CHEM 4613 - Materials Synthesis (3)

Principles, methods and applications of modern chemical synthesis; organic, organometallic, inorganic, polymer, and nanomaterial synthetic reactions and techniques; multi-step and interdisciplinary synthesis. Three lecture hours per week. PREREQUISITE: CHEM 3111 and CHEM 3310 with at least C-.

CHEM 4614 - Polymer Chemistry (3)

Fundamental concepts in polymer chemistry and polymer physics with focus on synthesis, characterization, structure and properties of polymeric materials. Three lecture hours per week. PREREQUISITE: CHEM 3310 and CHEM 3411 with at least C-.

CHEM 4615 - Biophysical Chemistry (3)

Study of biomolecular structures and properties; emphasis on biophysical techniques applicable to study of biomolecular structures and properties. Three lecture hours per week. PREREQUISITE: CHEM 3411 and 3511 with at least C-.

CHEM 4901 - Chemical Research I (1)

Introduction to basic research; collaboration with faculty sponsor on problem of mutual interest in any chemical subdiscipline; effective literature search, laboratory techniques, experimental design, preparation and revision of formal scientific paper. One seminar hour per week. PREREQUISITE: CHEM 3111 or 3211 or 3310 with at least C-, permission of instructor and complete prospectus in consultation with faculty sponsor.

CHEM 4902 - Chemical Research II (1)

Continuation of basic research; student collaborates with faculty sponsor on problem of mutual interest in any chemical subdiscipline; experience gained in effective literature search, laboratory techniques, experimental design, preparation and revision of formal scientific paper. One seminar hour per week. PREREQUISITE or COREQUISITE: CHEM 4901.

CHEM 4903 - Chemical Research III (1)

Completion of research project; student collaborates with faculty sponsor on problem of mutual interest in any chemical subdiscipline; experience gained in effective literature search, laboratory techniques, experimental design, preparation and revision of formal scientific paper. One seminar hour per week. PREREQUISITE or COREQUISITE: CHEM 4902.

CHEM 4914 - Research Methods/Tigers Teach (3)

Fundamental notions of scientific inquiry for students who might be teaching secondary science or mathematics. NOTE: students may not receive credit for more than one of BIOL 4914, CHEM 4914, or PHYS 4914. PREREQUISITE: CHEM 1110, 1111, 1120 and 1121. Enrollment restricted to students in the Tigers Teach program.

CHEM 4916 - Teaching Chemistry Laboratory (2)

Preparing for and conducting instruction in introductory chemistry laboratories; laboratory organization and safety, developing and providing pre-laboratory instruction for introductory college chemistry laboratory exercises; teaching instructional chemistry experiments and evaluation of written laboratory reports. Two/three hours offering inclass laboratory instruction, evaluations of written/oral reports and weekly meetings with other instructors. PREREQUISITE: permission of instructor, and CHEM 3201 or CHEM 3301 or CHEM 3501.

CHEM 4918 - Chemistry Practicum (2)

Hands-on experience of chemistry in commercial, medical, or private laboratory setting. A minimum of 80 hours through employment or internship must be documented. A final oral report required. PREREQUISITE: permission of instructor.

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Department of Computer Science
Sajjan Shiva , Ph.D., Chair
Room 375, Dunn Hall
<http://www.cs.memphis.edu>

In addition to the courses below, the department may offer the following Special Topics courses:
COMP 4990-99. Topics in Computer Science. (1-3). Topics are varied and in online class listings. PREREQUISITE: permission of instructor.

COMP 1200 - Computer Literacy (4)

Basic computer concepts including hardware, operating systems, software, human user interface; software packages including word processing, graphics, spreadsheets, database management; programming in HTML; basics of networks and Internet; legal, ethical, social implications of computers and their role in our world. Three lecture hours, two laboratory hours per week. NOTE: Credit may not be used for degree with major in computer science. PREREQUISITE: DSPM 0850, or two years of high school mathematics.

COMP 1800 - Problem Solving/Computers (3)

Fundamental aspects of problem solving within the context of computer programming; techniques for deriving problem solutions and use of basic programming concepts such as loops, conditionals, and variables; basics of high-level programming language. NOTE: this course may not be used as a COMP elective to fulfill the requirements of the major or minor in Computer Science. (F, Sp)

COMP 1900 - CS1: Intro Comp Science (4)

(TBR: CISP 1010). Overview of computer science as a field; problem-solving strategies with emphasis in fundamental programming skills, primitive data types, control structures, arrays, strings, I/O, basic recursion, documentation, testing and debugging techniques; introduction to object-oriented concepts. NOTE: this course is designed for computer science majors. Non-majors should take COMP 4001. Three lecture hours, two laboratory hours per week. COREQUISITE: MATH 1910. (F, Sp, Su)

COMP 2150 - CS2: Data Structures (3)

Principles of object-oriented programming and software development; problem solving with recursion and abstract data types, including linked lists, stacks, queues; basic sort and search algorithms. PREREQUISITE: MATH 1910 (or MATH 1830 for non computer science majors) and COMP 1900. COREQUISITE: COMP 2700 and COMP 2701 for computer science majors. (F, Sp, Su)

COMP 2700 - Discrete Structures (3)

Elementary logic; sets, relations, functions, equivalence relations, permutation, combinations, mathematical induction, recurrence relations, graph algorithms. NOTE: students may not receive credit for both COMP 2700 and MATH 2702. PREREQUISITE: MATH 1910, COMP 1900. COREQUISITE: COMP 2701 for Computer Science majors.

COMP 2701 - Discrete Structures Lab (1)

Practicum for discrete mathematical concepts and abstractions in the context of discrete structures, algorithms, programming, graphs, boolean algebra, automata, and software development. PREREQUISITE: MATH 1910 and COMP 1900. COREQUISITE: COMP 2150 and COMP 2700. (F, Sp, Su if MATH 2701 is offered in summer)

COMP 3160 - Adv Data Struct/Algorithm (3)

Review of data structures and object-oriented concepts; implementation of advanced data structures and related algorithms; graphs; trees, binary search trees; advanced sorting, hashing. PREREQUISITE: COMP 2150, COMP 2700. (F, Sp, Su)

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management (EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

COMP 3410 - Computer Org/Assembly Lang (3)

Basic concepts in assembly language programming, including logic, comparing and branching, interrupts, macros, procedures, arrays, program design, testing, debugging, loading, and linking; combinational, arithmetic and logical circuits ALU; memory circuits, latches, flip-flops, registers; computer structure; fetch-execute cycles, clocks and timing; microprogramming and microarchitecture; data path, timing, sequencing; cache memory organization; RISC architectures. PREREQUISITE: COMP 2150. (Sp)

COMP 3715 - Data/Info/Knowledge (3)

Information as a unifying theme to investigate a range of issues in computer science; database systems, artificial intelligence, human-computer interaction, multimedia systems, data communication; intellectual property, privacy and civil liberties in the information age. PREREQUISITE: COMP 3160, MATH 2701. (Sp)

COMP 3825 - Network/Info Assurance (3)

Net-centric computing; communication and networking; world-wide web; multimedia networking; network management; basic issues in computer security; threat modeling; basic methods and protocols in cryptography; web security; security; security policies; etiquette and cyberethics. PREREQUISITE: MATH 2701 and COMP 3410. (F)

COMP 4001 - Computer Programming (3)

Basic concepts in computer programming using Visual Basic. Incorporates object oriented concepts (objects, properties, events, methods), user interface design, data types, assignment statements, flow control statements, arrays and collections, file processing, timers, debugging and testing, to create Windows applications that range from business forms and reports to games. NOTE: Computer Science majors may not use this course to fulfill degree requirements. PREREQUISITE: MATH 1710 or permission of instructor. (F, Sp)

COMP 4004 - Modern Comp Programming (3)

Investigation of a currently widely-used computer programming language. Basic programming concepts; design and documentation; language constructs: control flow, functions, recursion, modularity; data and class structures: objects, classes, methods and encapsulation; programming of basic data structures and algorithms. Familiarity with a high-level programming language recommended. PREREQUISITE: MATH 1910 or 1830 for non-majors.

COMP 4005 - Web Design/Development (3)

Web interface development using HTML, XML, CSS, JavaScript, and AJAX ; technological issues in web page design and data visualization; web servers and their features; web services. NOTE: Computer Science majors may not use this course to fulfill degree requirements. PREREQUISITE: COMP 4001, or one other course in computer programming, or permission of instructor. (F, Sp)

COMP 4011 - Advanced Visual Basic (3)

Advanced topics in Visual Basic such as Visual Basic for Applications (VBA), .NET graphics, design and creation of classes, XML processing, web applications and web services, and advanced database processing. NOTE: Computer Science majors may not use this course to fulfill degree requirements. PREREQUISITE: COMP 4001, or permission of instructor. (F, Sp)

COMP 4014 - Intro Java Programming (3)

Basic structured programming syntax; internet features; client/server environments, Applets/Servlets; advanced Java features, user interface, JFC Eidgets and Events, SWING; database applications; security, threading. NOTE: Computer Science majors may not use this course to fulfill degree requirements. PREREQUISITE: COMP 4001 or permission of instructor. (F, Sp)

COMP 4016 - Java Programming for Teachers (3)

Introduction to object-oriented programming, problem solving, algorithm development and testing, primitive data types, instantiable classes, control structures, strings, arrays, packages, inheritance and polymorphism. NOTE: Computer Science majors may not use this course to fulfill degree requirements. PREREQUISITE: programming experience in a higher-level language.

COMP 4030 - Design/Analysis Algorithms (3)

Asymptotic behavior of programs, basic paradigms in algorithm design; greedy, divide-and-conquer, dynamic programming; analysis of efficiency and optimality of representative algorithms, including graph, pattern matching, numerical, randomized, and approximation algorithms; approaches to lower bound analysis; basic parallel algorithms. PREREQUISITE: COMP 3160. (F, Sp)

COMP 4040 - Programming Languages (3)

Comparative features, syntax and applicability of high-level programming languages such as FORTRAN, PASCAL, LISP, Scheme, ADA, C, C++, JAVA, PHP, JavaScript, Perl, Prolog,

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Art History (ARTH)
Communication (COMM)
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Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences**Counseling, Educational Psychology and Research**

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
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Reading (RDNG)
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Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

FORTH; data types, data structures, dataflow; procedures, recursion, runtime environment, string manipulation, list processing, array processing, documentation, programming style. PREREQUISITE: COMP 3160. (F)

COMP 4041 - Intro To Compilers (3)

Finite state recognizers, lexical scanners, symbol tables context free methods such as recursive descent; LL(K), precedence, LR(K), SLR(K); language translation, generation and improvement of machine independent codes, inherited and synthesized attributes, syntax-directed translation schema. PREREQUISITE: COMP 3410, 4040, 4030. (Sp)

COMP 4081 - Software Engineering (3)

(Same as EECE 4081). Scope of software engineering; software life cycle models; software process; team organization; requirements analysis and design methodologies; metrics, inspections, testing strategies and maintenance; software risks; professional and ethical responsibilities. Computer Science majors should plan to take COMP 4882 during the following spring semester. PREREQUISITE: COMP 3160. (F)

COMP 4115 - Database Process/Design (3)

Database processing and architecture; conceptual data modeling and data design; logical data models; relational models, operations and algebra; query languages and SQL; normalization and schema refinement; basic indexing techniques (hashing and B+trees). PREREQUISITE: COMP 3160, or permission of instructor. (F)

COMP 4242 - Intro Computer Graphics (3)

Characteristics of graphics I/O devices; 2D pictures, scaling, translation, rotation, and windowing; drawing histograms, simple maps, block diagrams, and flowcharts; curved lines, precision, quantization and interpolation, plotting equations; 3D pictures, scaling, translation, rotation, and projections hidden line problem, non-Euclidean geometry, animation. PREREQUISITE: COMP 3410 (F)

COMP 4262 - Programming UNIX (3)

Fundamentals of the UNIX system and environment including: file system, shell concepts and programming, editors (vi and emacs), filters (sed, awk, grep, sort), utilities (make, yacc, lex), mail facility, communication software, C programming and its UNIX interface, X window system. PREREQUISITE: COMP 2150, or permission of instructor. (F, Sp)

COMP 4270 - Operating Systems (3)

Hierarchy of storage devices, I/O buffering, interrupts, channels; multiprogramming, processor and job scheduling, memory management: paging, segmentation, and virtual memory; management of asynchronous processes; interrupt procedure calls, process stateword and automatic switch instructions, semaphores, concurrency; security and recovery procedures. PREREQUISITE: COMP 3160, and either COMP 3410 or EECE 4278. (F, Sp)

COMP 4272 - System Administration (3)

Review of UNIX and operating systems principles; principles and practices of systems administration and management; network file systems; account management; OS installation; startup and shutdown, booting, backup, restore; system administration tools; web administration; duties and responsibilities of a system administrator. PREREQUISITE: COMP 4262 and 4270, or permission of instructor. (Sp)

COMP 4302 - Web Service/Internet (3)

Design and implementation of web services; internet architecture and protocol layering; client-server application design; peer-peer application design; World Wide Web programming using HTML, XML, Java and advanced scripting languages; security issues. PREREQUISITE: COMP 3160, or permission of instructor. (Sp)

COMP 4310 - Wireless Mobile Comp (3)

Internet architecture and design; IPv4 and IPv6 ; routing algorithms, TCP congestion control; peer-to-peer applications, wireless LAN, mobile IP, mobile ad hoc networks; wireless sensor networks. PREREQUISITE: COMP 3825. (F)

COMP 4410 - Computer Security (3)

Confidentiality, integrity, availability, methods and protocols in cryptography, digital signature, authentication, bit commitment; security in computing, programs, databases, operating systems; secure communication, secure channel, public key infrastructure, certificates; digital evidence, forensics tools; monitor and response; legal and ethical issues; risk management, security administration. PREREQUISITE: COMP 3825. (F)

COMP 4601 - Models of Computation (3)

Computer models as basis for the understanding and analysis of programming, computation and complexity; machine models (finite-state, stack and Turing machines); linguistic models (grammars, lambda calculus, predicate calculi); biologically-inspired models (e.g. neural nets or genetic algorithms); unsolvability, universality, decidability, feasibility. PREREQUISITE: COMP 2150 and MATH 2701, or permission of instructor. (F, Sp)

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Interdisciplinary Studies (INTD)

COMP 4720 - Intro Artificial Intelligence (3)

(Same as EECE 4720). Fundamentals of programming in LISP; central ideas of artificial intelligence, including heuristic search, problem solving slot-and-filler structures; knowledge representation. PREREQUISITE: COMP 4040, or permission of instructor. (F)

COMP 4730 - Expert Systems (3)

(Same as EECE 4730). Fundamentals of programming PROLOG, central ideas of expert system development, including knowledge representation, control structures, tools, knowledge acquisition, and knowledge engineering. PREREQUISITE: MATH 2701 and COMP 4030, or permission of instructor. (Sp)

COMP 4731 - Data Visualization (3)

(Same as EECE 4731). Introduction to the terminology, methodology, and applications of data visualization. Methods for visualizing data from a variety of engineering and scientific fields including both static and time varying data and methods for generating both surface and volume visualizations. PREREQUISITE: EECE 3221 or COMP 2150, or permission of instructor. (F)

COMP 4882 - Capstone Software Proj (3)

Development of significant team project; continuation of COMP 4081; software project management; risk assessment. software requirements and specifications; software design; software validation; professional and ethical responsibilities. PREREQUISITE: COMP 3160, 3715, 4030, and 4081, or permission of instructor. (Sp)

COMP 4901 - Ind Study Computer Science (1-3)

Directed individual study of selected areas of computer science. May be repeated by permission for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

COMP 4911 - Internship Computer Science (1-6)

Practical experience in computer science. Students placed for some time with governmental or private organizations. Project must be approved and supervised by department faculty. Academic credit granted upon certification of the cooperating agency and acceptance by supervising faculty of student's written report. May be repeated for up to a total of 6 hours credit. PREREQUISITE: permission of supervising faculty member. (S/U).

COMP 4980 - Senior Thesis (3)

Research conducted under the supervision of faculty member and with permission of Department of Computer Science Undergraduate Curriculum Committee.

COMP 4991 - Molecular Biol/Bioinfor (3)

Topics are varied and in online class listings. PREREQUISITE: permission of instructor.

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CJUS

(CJUS) CRIMINOLOGY AND CRIMINAL JUSTICE

School of Urban Affairs and Public Policy

Randolph Dupont, Ph.D., Chair

Room 311, McCord Hall

<http://www.memphis.edu/cjustice/>

CJUS 1100, either 2226, or 2326 or 2426, and 3130 and 3540 are prerequisites for all upper-division electives except CJUS 3152, 3510, 3521, 4460 and 4542. The department chair or advisor may grant exceptions to these requirements for selected elective courses

In addition to the courses below, the department may offer the following Special Topics courses:

CJUS 4010-19. Special Topics in Criminal Justice. (1-6). Topics are varied and in online class listings.

CJUS 1100 - Intro/Criminal Justice (3)

(TBR: CRMJ 1010). Introduction to American criminal justice system in its three dimensions: police, courts, and corrections, tracing its development from ancient and early English beginnings to present time.

CJUS 2110 - Comparative Justice System (3)

Overview of justice systems of various countries, focusing primarily on substantive and philosophical relationships between the subsystems and the society they serve.

CJUS 2120 - Contemporary Issues CJUS (3)

Overview of current problems facing the criminal justice system; causation, potential consequences, potential solutions of crime problems.

CJUS 2140 - Crime/Public Policy/CJ System (3)

Social construction, social causes, and explanations for criminal behavior. Evaluation and assessment of the major explanations of criminal behavior. Crime control and crime prevention strategies as they relate to theory, policy, and practice. Key criminological concepts, measurement of crime and delinquency, victimization, public opinion, and crime control strategies and policies. PREREQUISITE: CJUS 1100.

CJUS 2226 - Introduction to Police (3)

Introduction to law enforcement, emphasizing the functions, operations, and practical realities of crime control in American society; career opportunities within criminal justice. PREREQUISITE: CJUS 1100.

CJUS 2326 - Introduction to Courts (3)

Introduction to American courts, emphasizing the functions, operations, and practical realities of crime control in American society; career opportunities within criminal justice. PREREQUISITE: CJUS 1100.

CJUS 2426 - Intro/Corrections in America (3)

Introduction to corrections, emphasizing the functions, operations, and practical realities of crime control in American society; career opportunities with criminal justice. PREREQUISITE: CJUS 1100.

CJUS 3129 - Statistical Methods/CJUS (4)

Statistical methods commonly utilized in criminal justice research; emphasis on descriptive and inferential statistics, measures of significance, and interpretation of results; introduction to micro-computers. Three lecture hours, two laboratory hours per week. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540, and MATH 1710, 1830 or 1910.

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

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Fogelman College of Business and Economics

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Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

CJUS 3130 - Research Methods CJUS (3)

Techniques commonly utilized in criminal justice research, emphasis on research design, methods of data collection, measurement of variables, analytical strategies for describing and making decisions using data, and threats to validity and reliability. PREREQUISITE: CJUS 1100 and either 2226 or 2326 or 2426.

CJUS 3152 - Drug Addiction/Alcoholism (3)

Cultural and medical aspects of use of alcohol and various other drugs; consideration of roles of law enforcement and corrections in these areas.

CJUS 3226 - Police in America (3)

Comparative analysis of problems, procedures, organization, and functions of effective police organization; examination of advanced police strategies and evaluation of their effectiveness. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130 and 3540.

CJUS 3326 - Courts in America (3)

Exploration and analysis of structure, process, personnel, policy, and legal theory in the American judicial system; examination of specialized and innovative courts and evaluation of their effectiveness. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130 and 3540.

CJUS 3426 - Corrections in America (3)

Concepts of organizational behavior applied to probation, parole, community-based corrections, prisons, and other detention facilities, with emphasis on their history and practice; examination of specialized programs and evaluation of their effectiveness. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130 and 3540.

CJUS 3510 - Law and Society (3)

Law as system of control and as mechanism for resolution of conflict; relationship of law to political, economic and social systems critically analyzed and development of legal profession studied.

CJUS 3521 - Constitutional Crmnl Procedure (3)

General application of U.S. constitution principles to investigative and prosecutorial process of the criminal justice system; emphasis on requirements of the 4th, 5th, 6th, 8th, and 14th Amendments as they relate to arrest, search, and seizure, interrogation and identification procedures, trial and appellate proceedings.

CJUS 3540 - Criminology (3)

Examination and explanation of crime including sociological, economic, psychological, and biological theories of crime causation; theories examined in light of criminal justice data. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130

CJUS 3542 - Crime/Criminal Behavior (3)

Classification of crime and typical elements involved in each type of crime, classification of criminal offenders and salient career variables associated with each type of offender relative to background, crime, and career prognosis. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4100 - Ind Dir Studies (1-6)

Individual directed reading and research in special areas of interest in field of criminal justice. PREREQUISITE: permission of department chair. NOTE: Course may be repeated for a maximum of 6 semester hours credit.

CJUS 4110 - Advanced Application in CJUS (3)

Selected special issues integrating theory and empirical research with the evolving field of criminal justice practice, programs, and policy. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130 and 3540, and senior standing in CJUS, or permission of department chair.

CJUS 4126 - CJUS Admin and Mgmt (3)

Management philosophies for administration of criminal justice agencies; focus on organizational behavior, theories of management, planning and budgeting, administrative legal issues, and administrative problems unique to the criminal justice system. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4130 - Ethical Dilemmas/CJUS (3)

Legal, moral, and social implications of ethical dilemmas in criminal justice, including police use of deadly force, police discretion, victimless crimes, surveillance, enforcement of unpopular laws, use of informers, plea bargaining, judicial discretion, and capital punishment; subcultural norms and dilemmas they present to criminal justice practitioners. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4150 - Internship Criminal Justice (1-3)**Finance (FIR)**

Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

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Art (ART)
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Communication (COMM)
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Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences**Counseling, Educational Psychology and Research**

Counseling and Personnel Services (COUN)
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Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
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Instructional Design and Technology (IDT)
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Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
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Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Experience in actual criminal justice setting; both department and agency supervise and direct student program. May be repeated for maximum of 6 hours. PREREQUISITE: permission of department chair. (S/U).

CJUS 4160 - Forensic Sciences (3)

Forensic specialties in terms of their history, scientific rationale upon which each is based, and problems that may compromise accuracy or validity; introduction to field techniques and analysis of evidence. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4170 - Prevention/Deterrence Crime (3)

Theoretical and practical strategies for crime prevention and deterrence. Social, environmental, and mechanical developments; police, courts, and correctional elements of criminal justice system analyzed in terms of current effectiveness and future potential for crime suppression. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4180 - Corporate/White Collar Crime (3)

Organizational and occupational crime compared to other types of criminality; emphasis on causes, frequency, control, and social impact. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4190 - Terrorism Soc/Legl Prsp (3)

Theoretical and ideological aspects of practice of and response to international and domestic terrorism; terrorism as crime from political, social, economic, historical, and legal perspectives. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4233 - Organized Crime (3)

Nature, structure, characteristics, and investigation of syndicated crime; its impact on social and economic conditions in this country. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4235 - Security Management (3)

Role and function of private police organizations and legal restrictions on private security personnel; facets of private security to include retail, industrial and corporate security. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4460 - Race/Ethnicity/Gender/America (3)

Race, ethnicity, and gender in the American system of criminal justice; examining how practices of criminal justice reflect societal organization, conflict, and social change.

CJUS 4520 - Substantive Criminal Law (3)

Substance of the crime, including common-law sources and basic principles, types of offenses, responsibility, justification and excuse, and related areas. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4521 - Foundation/Criminal Process (3)

Examination of historical, philosophical and social issues influencing the development of criminal law; consideration of various problems regarding application of criminal law in a democratic society. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4530 - Prin Evidence/Proof (3)

Rules of evidence and matters of proof affecting criminal investigation in investigatory and prosecutive stages of criminal justice; socio-legal aspect of basic rules of evidence, including hearsay rules, impeachment, materiality and relevancy, privilege, eyewitness identification. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4531 - Issues/Constitutional Rights (3)

Issues in constitutional rights related to criminal defendants; exclusionary rule; application of 1st Amendment to criminal law; due process, equal protection; examination of civil and criminal remedies for protecting and vindicating constitutional rights. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4533 - Juvenile Delinq Theory/Process (3)

Theories of juvenile delinquency, gang activities, and status offenses; history, organization programs and procedures of agencies charged with control and prevention of juvenile delinquency including police, juvenile units, juvenile court, and juvenile correctional agencies. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4535 - Capital Punishment/America (3)

Social science research on death penalty in United States; legal history of death penalty; structure of modern capital trials and appeals; wrongful death convictions; racial

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[Interdisciplinary Studies \(INTD\)](#)

disparities; jury decision-making; life histories of capital defendants; deterrence, brutalization, incapacitation; human costs of murder and execution. PREREQUISITE: CJUS 1100, either 2226 or 2326 or 2426, and 3130, and 3540.

CJUS 4542 - Victimology (3)

Analysis of victim's role in criminal event; victim interaction with offender, criminal justice system, and others involved in event; evidenced by current and historical research findings. PREREQUISITE: senior standing or permission of instructor.

CJUS 4999 - Senior Honors Thesis (3)

Independent research project conducted under direction of faculty supervisor. Open only to Honors students in Criminology and Criminal Justice. PREREQUISITE: permission of instructor.

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ESCI

(ESCI) EARTH SCIENCES
Department of Earth Sciences
Mervin J. Bartholomew, Ph.D., Chair
Room 107, Johnson Hall
<http://des.memphis.edu/>

Additional fees are charged for some Earth Sciences lecture and laboratory courses. See the online class listings or the Expenses section of the Catalog.

In addition to the courses below, the department may offer the following Special Topics courses:

ESCI 4308-12. Special Topics in Regional Geography. (3). Geographic analysis of physical, cultural, economic characteristics of a selected world geographic region, including Europe, United States, Canada, Central America, South America. May be repeated for a maximum of 9 hours credit with a change in topic.

ESCI 4370-79. Special Topics in Archaeology. (3). May be repeated for a maximum of 9 hours credit with a change in topic.

ESCI 4610-19. Special Topics In Geography. (3). (GEOG). Topics are varied and in online class listings.

ESCI 1003 - Earth (3)

(GEOG 1003). Examination of Earth as a complex system in which the atmosphere, biosphere and geosphere interact with human actions to affect the environment; formation of rocks; shape of surface of Earth; changes in weather and climate; natural hazards. Two hours lecture, two hours laboratory per week. PREREQUISITE: one introductory natural science course, or permission of instructor.

ESCI 1010 - Weather and Climate (4)

(GEOG 1010). Atmospheric processes and geographic distribution of radiation, moisture, pressure, and circulation interacting to create weather systems and storms; oceanic influences, earth-sun relationships, global climate patterns; human interaction with atmosphere. Laboratory exercises, observations, and experiments designed to apply scientific methods. Three hours lecture, three hours laboratory per week. PREREQUISITE: two years of high school algebra. [G]

ESCI 1020 - Landforms (4)

(GEOG 1020). Agents and processes of landform development and geographic relationships of landscapes including volcanic, fluvial, glacial, and coastal environments; soil development and vegetation associations; environmental hazards to humans; maps and aerial photo interpretation as sources of environmental information. Laboratory exercises, observations, and experiments designed to apply scientific methods subjects. Three hours lecture, two hours laboratory per week. PREREQUISITE: two years of high school algebra. [G]

ESCI 1040 - Physical Geology (4)

(GEOG). Introduction to processes that form the rocks in the earth's crust; the earth's internal forces that make mountains and volcanoes; special emphasis on topics that impact the Mid-South, such as earthquakes. Three lecture hours, two laboratory hours per week. [G]

ESCI 1050 - Historical Geology (4)

(GEOG). Overview of history of earth and its life as interpreted from rock and fossil record; origins of continents, mountain ranges, ocean basins and our National Parks. Three lecture hours, two laboratory hours per week. PREREQUISITE: ESCI 1040. [G]

ESCI 1103 - The Human Planet (4)

(GEOG). Applications of physical geology to understanding, evaluating and solving

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Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

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Languages and Literature (LALI)
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Fogelman College of Business and Economics

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Economics (ECON)

problems encountered in the environment by past human populations; study in management, utilization and preservation of archaeological resources. Three lecture hours, two laboratory hours per week. [G]

ESCI 1301 - Survey of World Regions (3)
(GEOG). (TBR: GEOG 2010). Survey of economic, cultural and physical traits characteristic of developing and industrialized nations. [G]

ESCI 1401 - Intro/Cultural Geography (3)
(GEOG). (TBR: GEOG 1030). Geographical aspects of human behavior; distributional patterns and interactions of such cultural characteristics as language, religion, politics, and economics. [G]

ESCI 2301 - Fundamentals of Archaeology (4)
(Same as ANTH 2301). Hands-on experience in archaeological methods; survey of past civilizations; critical evaluation of how modern archaeological methods and theories are applied. **PREREQUISITE:** ANTH 1100, recommended.

ESCI 3131 - Severe Weather (3)
Descriptive account of the physical processes important in the formation of blizzards, ice storms, thunderstorms, tornadoes, hurricanes, floods, and heat waves.
PREREQUISITE: ESCI 1010

ESCI 3200 - People/Culture World (3)
Major ethnographic areas and selected cultures of world.

ESCI 3211 - Invertebrate Paleontology (4)
(GEOL). Fossil invertebrate animals and their importance in interpretation of ancient environments, evolution, and geologic time. Three lecture hours, two laboratory hours per week. **PREREQUISITE:** ESCI 1040, or permission of instructor.

ESCI 3221 - Principles/Conservation (3)
(GEOG). Development of conservation ethic and wilderness concepts; survey of environmental problems, land use, and energy and resource utilization; soil erosion and crop productivity relationships.

ESCI 3311 - Mineralogy/Petrology (4)
(GEOL). Classification and identification of minerals. igneous rocks, metamorphic rocks in hand specimen; geological occurrence and use of minerals; genesis and occurrence of igneous and metamorphic rocks. Three lecture hours, two laboratory hours per week. **PREREQUISITE:** ESCI 1020 or 1040, or permission of instructor.

ESCI 3401 - Historical Geography of U S (3)
(GEOG). Evolution of the cultural landscapes of the United States with emphasis on the interaction of environment and people in the development of this nation.

ESCI 3430 - Economic Geography (3)
(GEOG). Spatial characteristics and distribution of economic activities.

ESCI 3451 - Intro/Urban Planning (3)
(GEOG). Introduction to regional and urban planning emphasizing spatial relationships of physical, economic, and cultural phenomena necessary in planning process.

ESCI 3712 - Sedimentology/Stratigraphy (4)
(GEOL). Origin and classification of sedimentary rocks and mutual relationship of sedimentary rock bodies both geographically and through geologic time. Lecture emphasizes comparison of modern depositional systems with their ancient counterparts. Laboratory emphasizes hand specimen analysis and preparation of geologic maps. Three lecture hours, two laboratory hours per week. **PREREQUISITE:** ESCI 1050.

ESCI 3802 - Oceanography (3)
(GEOL 3802). Origin, chemistry, water circulation, shoreline and deep water characteristics of oceans; its role in evolution and history of earth; marine life and its ecology.

ESCI 4101 - Global Geophysics (3)
(GEOP). Origin, evolution, structure of planet earth from geophysical perspective; accretion and composition of the earth; isotopic determination of ages; differentiation of oceanic and continental crust; mechanisms of plate tectonics; seismic structure, gravity and magnetic fields of earth. **PREREQUISITE:** permission of instructor.

ESCI 4122 - Soils and Soil Processes (3)
(GEOG 4122). Processes and dynamics of soil profile development; major models of soil development examined and applied to soil genesis in Tennessee; application of soil techniques to archaeology, planning, earth sciences, and soil conservation and erosion problems; emphasis on field and laboratory techniques with field work in soil mapping

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and soil taxonomy. Two lecture hours, two laboratory hours per week.

ESCI 4201 - Urbanization/Environment (3)

(GEOG). Ways man has changed natural environment by urbanization and how physical features and processes influence development and function of cities.

ESCI 4202 - Geomorphology (4)

(GEOG). Description, origin and interpretation of landforms and their relationships to underlying structure and geologic history; processes acting on earth's surface, including active tectonics; weather; mass-wasting; climate change; and fluvial, shoreline, and glacial processes. Three lecture hours, two laboratory hours per week. PREREQUISITE: ESCI 1020 or ESCI 1040

ESCI 4203 - Environmental Geophysics (4)

(GEOG 4201). Survey of shallow geophysical prospecting methods; seismic reflection and refraction techniques; electrical, magnetic and gravity field measurements; practical measurements and fundamental principles governing acquisition and interpretation of geophysical data for shallow subsurface investigation. Three lecture, two laboratory hours per week. PREREQUISITE: permission of instructor.

ESCI 4211 - Physical Hydrology (4)

(GEOG). Movement, storage and development of groundwater; groundwater in the hydrologic cycle; aquifer characteristics and tests. Three lecture hours, two laboratory hours per week. PREREQUISITE: ESCI 1040 and MATH 1830 or equivalent.

ESCI 4213 - Field Methods/Hydrology (3)

(GEOG). Practice of field methods in solving hydrologic problems. PREREQUISITE: ESCI 4211, or permission of instructor.

ESCI 4214 - Climatology (3)

(GEOG 4211). Climatic elements and methods of data analysis; applications of climatology in agriculture, health, economics, and architecture. PREREQUISITE: ESCI 1010 and PHYS 2110/2111.

ESCI 4215 - Physical Climatology (3)

(GEOG). Components of earth's energy balance, emphasis on solar radiation, heat transfer, and evapotranspiration. PREREQUISITE: ESCI 1010 and PHYS 2010/2011.

ESCI 4216 - Synoptic Meteorology (3)

Physical processes in the atmosphere applied to analysis and interpretation of synoptic (regional) scale systems using weather maps, upper-air soundings, satellite and radar imagery, and computer model output; introduction to techniques used in weather forecasting. PREREQUISITE: ESCI 1010 and PHYS 2010.

ESCI 4220 - Geol/Hazard/Earthquakes (3)

(GEOG). Estimation of geological aspects and hazards associated with individual earthquakes and earthquakes on specific faults; earthquake rupture patterns, topographic expressions; estimating ages of prehistoric earthquakes, triggering, associated landslides and debris flows. PREREQUISITE: permission of instructor.

ESCI 4231 - Water Resources (3)

(GEOG). Hydrologic processes and their application to needs of cities, industry, agriculture, and recreation.

ESCI 4241 - Biogeog/GIS Analyses/Ecology (3)

(GEOG). (Same as BIOL 4241). Basic principles of interaction between geography, organism diversity and evolution; physical factors limiting species distribution, theories of island biogeography, geographical modes of speciation. Laboratories introduce principles of GIS, basic functions of ArcGIS, and other programs relevant to ecological studies. Two lecture hours, two laboratory hours per week. PREREQUISITE: BIOL 1120 and 1121, or permission of instructor.

ESCI 4251 - Environmental Hazards (3)

(GEOG). Environmental hazard and disaster experiences to investigate the nature, impact, and social responses to environmental hazards; focus is placed on relationship between nature, society, and technology in how people and places perceive, experience, and cope with environmental hazards.

ESCI 4252 - Global Environmental Change (3)

(GEOG). Characteristics of natural systems; magnitude of human alteration of environmental systems; history of natural changes in climate and landscape; impact of changes. PREREQUISITE: permission of instructor.

ESCI 4261 - Plan Sustainable Cities/Region (3)

Multidisciplinary and multi-scaled approach to understanding the sustainability of natural and built environments in planning cities and regions; methods for measuring

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[Interdisciplinary Studies \(INTD\)](#)

sustainability; emerging development concepts and practices; technology, efficiency, social equity and public health implications of sustainability; sustainable urban/regional form of the future.

ESCI 4270 - Ancient Human Soc/Envir Chng (3)

(Same as ANTH 4270). Examination of past people and their environments from the Ice Age to recent times; archaeological and paleoecological data. Three lecture hours per week.

ESCI 4301 - Archaeology/North America (3)

(Same as ANTH 4301). Intensive study of various prehistoric cultures from earliest times until historic contact. PREREQUISITE: ANTH 1100, 1200, or permission of instructor.

ESCI 4307 - Thematic Studies/China (3)

Geographic analysis of physical, cultural, and economic characteristics of China and neighboring regions.

ESCI 4311 - Advanced Mineralogy/Petrology (4)

Crystal chemistry, optical mineralogy, igneous and metamorphic rocks under the microscope; genesis and occurrence of igneous and metamorphic rocks. Two lecture hours, four laboratory hours per week. PREREQUISITE: ESCI 3311. PREREQUISITE OR COREQUISITE: CHEM 1110/1111, or permission of instructor.

ESCI 4325 - Archaeol Fld/Lab Techn (3)

(Same as ANTH 4325). Field excavation, specimen preparation, use of survey instruments and photography, map making, archaeological record keeping; methods and techniques in archaeological laboratory analysis; emphasis on organization and supervision of laboratory procedures. PREREQUISITE: permission of instructor.

ESCI 4332 - Intro to Geochemistry (3)

(GEOL). Geological and chemical processes that govern or control migration and distribution of elements and atomic species of earth in space and time. Three lecture hours per week. PREREQUISITE: ESCI 3311, or permission of instructor.

ESCI 4341 - Aqueous Geochemistry (3)

(GEOL). Physical chemistry of aqueous solutions as applied to geochemical processes on earth's surface. PREREQUISITE: CHEM 1120.

ESCI 4350 - Archaeology of Collapse (3)

(Same as ANTH 4350). Emphasis on archaeology of regional politics and archaic states throughout the world. Overview of social and political collapse of complex societies.

ESCI 4351 - Adv Structural Geology (3)

(GEOL). Analysis of crustal structure; stress in rocks, mechanical interpretation of crustal structures. PREREQUISITE: ESCI 3512, MATH 1910.

ESCI 4352 - Old World Archaeology (3)

(3351) (Same as ANTH 4352). Old World cultures from first humans to early civilizations.

ESCI 4401 - Seismology (4)

(GEOP). Seismic wave propagation within the earth; historical context of earthquakes and earthquake source; common seismological techniques used to understand earth structure and source parameters. Three lecture hours, two laboratory hours per week. PREREQUISITE: calculus through vector calculus, or permission of instructor.

ESCI 4431 - Urban Geography (3)

(GEOG). Geography of urban processes and forms; cultural, social, economic, and political aspects of the contemporary city.

ESCI 4443 - Transportation Planning (3)

(GEOG). Planning for various transportation modes and networks and impact they have on land use and contemporary development problems.

ESCI 4502 - Computer Cartography (3)

(GEOG). Use of computer mapping programs as effective techniques for visual presentation of wide variety of data. Two lecture hours, two laboratory hours per week.

ESCI 4511 - Remote Sensing/Environ (4)

(GEOG 4511). Survey of theory and application of using color, infrared, thermal, and radar images generated from satellite and aerial photographs for geographic, geologic, environmental, and planning purposes. Three lecture hours, two laboratory hours per week. PREREQUISITE: one college-level MATH course, or permission of instructor.

ESCI 4512 - Structural Geology (4)

(Was 3512). (GEOL). Structures of the crust; geometry of folds and faults, rock deformation, criteria for recognizing structures, solution of geometrical problems. Three

lecture hours, two laboratory hours per week. PREREQUISITE: ESCI 1040, MATH 1910, or permission of instructor.

ESCI 4515 - Geographic Info Science (3)
(GEOG). Theoretical and practical understanding of fundamental GIS concepts, capabilities, and applications; nature of geographic data and issues of data input, data models, database design, spatial analysis, data output using ArcGIS software. Three lecture hours, two laboratory hours per week. PREREQUISITE: ESCI 1010 or 1020 or 1301 or 3430 or 4501, or permission of instructor.

ESCI 4521 - Quantitative Methods (3)
(GEOG). Introduction to quantitative methods in spatial analysis.

ESCI 4522 - GIS for Business/Social Scien (3)
(GEOG). Introduction to the application of interactive computer mapping and geographic information systems software in business and social science decision making.

ESCI 4525 - Adv Geographic Info Science (3)
(GEOG). Design and implementation of spatial analysis approaches within the context of GIS technology; development of a sound understanding of the operational basis of modern GIS technology. PREREQUISITE: GEOG 4515, or permission of instructor.

ESCI 4531 - Field Methods/Geography (3)
(GEOG). Basic methods of geographic analysis used in classifying, analyzing and reporting field generated data including field mapping, sampling procedures, questionnaires and archival and public document research. One and one-half lecture hours, three laboratory hours per week.

ESCI 4541 - Geography/Field Studies (1-6)
(GEOG). Faculty conducted field trip emphasizing study of geographic phenomena. Location will vary. Topics may include physical landscapes, landaus patterns, cross-cultural analysis, micro and regional economics, or other geographical processes. Credit hours based on length of time in field. Requires field journal and report to receive credit. May be repeated for maximum of 6 hours credit with change in content. PREREQUISITE: permission of instructor and completion of special registration.

ESCI 4551 - Urban Planning Studio (3)
(GEOG). Application of planning process to urban problems and preparation of plans for the urban area. PREREQUISITE: GEOG 3451 or permission of instructor.

ESCI 4610 - Automation Process in GIS (3)
This lab-oriented course provides advanced level techniques in Geographic Information Systems (GIS). This course will provide a solid foundation for programmatically interacting with proprietary GIS platforms that allow user-specified automation using Python.

ESCI 4621 - Investigations In GEOG (1-3)
(GEOG). Student, under faculty supervision, studies in-depth particular geographic topic. May be repeated for a maximum of 3 hours credit with change in content. PREREQUISITE: approval of instructor.

ESCI 4622 - Geology Field Camp (6)
(GEOL). Preparation of structural and lithologic maps in prescribed geologic areas using topographic maps and aerial photographs. Instruments used are the alidade and the Brunton compass. Offered in summer school only. PREREQUISITE: ESCI 3311, 3512, and 3712.

ESCI 4680 - Applied Archaeology/Museums (3)
(Same as ANTH 4680). Representations of cultural heritage in a broad array of public venues; repatriation, cultural patrimony, cultural resource management, civic engagement, rights and responsibilities of stakeholders, public involvement in museum representations, performance and education, culture and memory.

ESCI 4700 - Earth Science Internshp (1-9)
(GEOG). Experience working with agency in which knowledge of earth science can be utilized. May be repeated for a maximum of 9 hours credit. Credit allowed only after acceptance of report. PREREQUISITE: approval of instructor and department chair. (S/U)

ESCI 4701 - ESCI Field Excursions (1-2)
(GEOL). Conducted field trips during spring vacation. About 30 hours of field work follow 2-4 hours of lectures. Open to nonmajors. Among areas which may be included are Ouachita-Arbutckle-Wichita Mountains of Oklahoma; Ouachita, Ozark dome and adjacent mineral districts; central and southern Appalachians; Gulf Coastal Plain; Death Valley, CA; and Grand Canyon, AZ. Check online class listings for specific location. NOTE: May be repeated for a maximum of 8 hours credit. Dates, hours and credits to be arranged. PREREQUISITE: permission of instructor.

ESCI 4722 - Investigation In ESCI (1-3)

(GEOP). Individual or group work on topics of current interest in the broad field of earth sciences. May be repeated for maximum of 6 hours credit. PREREQUISITE permission of instructor.

ESCI 4731 - Senior Thesis (1-3)

(GEOL). Original study on subject of significance to earth science to be carried on independently by student with faculty supervision. PREREQUISITE: senior standing in Geology.

ESCI 4801 - Seminar in Applied Geography (3)

(GEOG). Perspectives and techniques of geography applied to contemporary topics in a seminar format based on review of literature, current issues, and the written and oral presentation student work . PREREQUISITE: ESCI 1010, 1020, 1011, 1021, 1301 or 4307-12, or 3430, 3514 and two additional upper division courses selected from two of the following areas: human/economic, environmental/earth, or the techniques. Registration by permit only.

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English

(ENGL) ENGLISH
Eric Carl Link, Ph.D., Chair
Room 467, Patterson Hall
www.memphis.edu/english

All candidates for graduation at the University of Memphis are required to complete ENGL 1010 and 1020 or their equivalents, with a minimum grade of "C." Before enrolling in ENGL 1010, a student must have either: (1) an ACT English subscore of 18 or above, or (2) an SAT verbal score of 450 or above, or (3) a satisfactory score on a placement exam administered by the University of Memphis Testing Center. Those who do not meet the requirements above, must successfully complete DSPW 0800 with a minimum grade of "C" before proceeding to ENGL 1010. ENGL 1010 and 1020 must be taken in sequence; no credit will be allowed for ENGL 1020 until 1010 has been completed successfully. After completing ENGL 1010 and 1020 with a minimum grade of "C," all students must take ENGL 2201 or 2202. ENGL 1010, 1020, 2201 or 2202 or equivalents with a minimum grade of "C" are prerequisites for all upper-division courses in the Department of English.

In addition to the courses below, the department may offer the following Special Topics courses:

ENGL 3100-19. Special Topics in Literature. (1-3). Topics are varied and noted in online class listings.

ENGL 4101-10. Special Topics in English. (3). Topics are varied and noted in online class listings.

ENGL 4540-4550. Special Topics in Language and Linguistics. (3). Topics are varied and noted in online class listings.

ENGL 4606-15. Topics in Advanced Technical Writing. (3). Theories, contexts, and practices of writing in the world of technology; topics vary; extensive practice in writing, editing, and preparing technical publications.

ENGL 1010 - English Composition (3)

Practice in expository writing with emphasis on content, organization, and style (levels of usage and sentence structure) for different purposes and audiences. PREREQUISITE: DSPW 0800 with a minimum grade of "C," or ACT English sub-score of 18 or above, or SAT verbal score of 450 or above, or satisfactory completion of placement essay. [G]

ENGL 1020 - English Comp/Analysis (3)

Practice in expository writing that synthesizes ideas from various readings. Includes library work and production of documented papers. PREREQUISITE: ENGL 1010 with a minimum grade of "C," or equivalent. [G]

ENGL 2201 - Literary Heritage (3)

Major texts of literary heritage; modes of literary expression and cultural context; emphasis on works as products of their historical contexts and as processes shaping human consciousness; composition and critical thinking beyond levels expected of freshmen. PREREQUISITE: ENGL 1010 and 1020, with a minimum grade of "C," or their equivalent. [G]

ENGL 2202 - Lit Heritage: African-American (3)

Consideration of major texts of literary heritage with emphasis on African-American culture; modes of literary expression and cultural context; emphasis on work as products of historical contexts and as processes shaping human consciousness; composition and critical thinking beyond levels expected of freshmen. PREREQUISITE: ENGL 1010 and 1020, with a minimum grade of "C," or their equivalent. [G]

ENGL 3100 - Literature and Psychology (3)

This course will explore connections between literature and psychology, including literary explorations of psychological issues (such as development, the concept of the self, the individual and culture, ethics), fictional accounts of experiences with mental

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History (HIST)
International Studies (INTL)
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Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

health conditions and psychic distress (including its formal treatment as well as other/additional ways of coping), the relationship between literature and empathy, and narrative representations of consciousness and emotional experience.

ENGL 3210 - British Lit to 1750 (3)

Survey of major authors, themes, and movements from the medieval period through the 18th century.

ENGL 3212 - 16th Century British Lit (3)

Study of the prose, poetry, and drama of 16th century England.

ENGL 3213 - 17th Century British Lit (3)

Study of the prose, poetry, and drama of 17th century England.

ENGL 3214 - 18th Century British Lit (3)

Study of the drama, fiction, poetry, and essays from Restoration and 18th century Britain.

ENGL 3215 - Shakespeare I (3)

Background in the study of Shakespeare and discussion of selected works.

ENGL 3220 - British Lit since 1750 (3)

Survey of major authors, themes, and movements from the Romantic period through the present.

ENGL 3221 - British Lit Romantic Age (3)

Survey of major authors, themes, and movements in British Romantic literature.

ENGL 3222 - British Lit/Victorian Era (3)

Study of important writers of poetry, prose, fiction, and drama in the context of the historical and social circumstances of the Victorian period.

ENGL 3224 - 20th Century British Lit (3)

Study of important works of poetry, prose, fiction, and drama written between 1890 and 2000.

ENGL 3325 - Af/Am Lit thru Harlem Ren (3)

Examination of works by black authors starting with the Colonial Enlightenment, continuing with slave narratives, and ending with the rise of the black novel.

ENGL 3326 - Af/Am Lit since Harlem Ren (3)

Examination of African American literary tradition from the Harlem Renaissance to the present; Chicago writers, integrationist aesthetics of the 1950's; black aesthetics of the 1960's.

ENGL 3327 - American Literature to 1865 (3)

Survey of major authors, themes, and movements in American literature from the colonial period through 1865.

ENGL 3328 - American Literature since 1865 (3)

Study of American literature and literary movements from 1865 to the present.

ENGL 3329 - Major Authors in American Lit (3)

Study of several major American authors that represent a literary movement, genre, or shared/contrasting thematic focus within their works. May be repeated for a maximum of 6 hours credit with change in course content.

ENGL 3330 - Place/Time in American Lit (3)

Study of American literary works focused on particular geographic spaces and historical periods. May be repeated for a maximum of 6 hours credit with a change in course content.

ENGL 3401 - Children's Literature (3)

Study of children's literature through reading, discussion, and writing about history, characteristics, and authors of its major genres.

ENGL 3402 - Science Fiction and Fantasy (3)

Study of the history, conventions, and themes of science fiction and fantasy literature.

ENGL 3403 - Mythic Backgrounds in Lit (3)

Study of Middle Eastern and Greek mythology and their development from Homer, Plato, and Ovid and continuing through Milton; extensive practice in critical thinking, written exposition, methods for source study, and mythic, literary, and cultural analysis.

ENGL 3404 - Studies/Popular Texts (3-6)

Selected genres of popular texts, such as science fiction, fantasy, crime, mystery, or

Finance (FIR)

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Music History, Literature, and

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Music Industry (MUID)

Music Theory and Composition (MUTC)

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College of Education, Health and Human Sciences

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Loewenberg School of Nursing

Nursing (NURS)

biography. May be repeated for a maximum of 6 hours credit with a change in course content.

ENGL 3500 - Practical English Grammar (3)

Extended study of the fundamentals of English grammar, sentence structure, usage, diction, punctuation, and spelling. Does not apply to the English major or minor.

ENGL 3501 - Modern English Grammar (3)

Introduction to current grammatical theory; description of sounds, word structures, syntax, and semantics of English within theoretical frameworks.

ENGL 3511 - Intro to Linguistics (3)

Introduction to the nature and functions of human language, to its structural principles, and to its place in culture and society; emphasis on language diversity and change through history and contact; discussion of language and thought, origin of language, and other topics.

ENGL 3521 - The American Language (3)

Changing nature and variety of American English, especially in vocabulary and usage, its range, formal, informal, written, colloquial, and standard and dialectal variations; shifting standards of usage especially reflected in dictionaries; appropriateness dependent upon context; and language as both reflector and shaper of thought.

ENGL 3601 - Technical and Profess Writing (3)

Introduction to rhetoric and style of documents written by scientists, engineers, technical writers, and other professionals; extensive practice in writing reports, proposals, manuals, and correspondence.

ENGL 3602 - Professional Editing (3)

Workshop in techniques of editing effectively in academic, industry, government, literary, and research settings; developing practical genre familiarity for printed and online formats within those areas.

ENGL 3603 - Engineering Communications (3)

Form and contexts of written and oral communications in engineering professions; extensive practice in oral reporting, written reports, manuals, and proposals. Does not apply to the English major or minor.

ENGL 3604 - Persuasive Writing (3)

Study and practice of writing essays and reports with emphasis on persuasion; introduction to empirical and library research, application of rhetorical principles, and nature of evidence, including numerical; academic and professional writing, editing, and revision.

ENGL 3606 - Poetry Writing (3)

Exploration of the creative process within the forms and traditions of poetry. Emphasis on student's own work.

ENGL 3607 - Fiction Writing (3)

Exploration of the creative process within the forms and traditions of fiction. Emphasis on the student's own work.

ENGL 3608 - Creative Nonfiction Writing (3)

Introduction to various forms and traditions of creative nonfiction, including memoir, literary journalism, and personal essay.

ENGL 3701 - Lit Criticism/Theory (3)

Study of contemporary approached to literary criticism, its premises, and applications.

ENGL 4001 - Senior Honor Seminar I (3)

Intensive study of a problem in language or literature. Enrollment limited to English honors students.

ENGL 4230 - Chaucer/Medieval World (3)

Study of works by Chaucer and his contemporaries in their cultural context.

ENGL 4234 - Milton (3)

Study of the poetic works of John Milton.

ENGL 4237 - Shakespeare II (3)

Analysis of selected plays and study of various approaches to Shakespeare.

ENGL 4243 - Studies in British Literature (3)

Selected literature from a variety of periods in British literary history.

ENGL 4244 - Cultural Ideas in British Lit (3)

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[University of Memphis Libraries \(LBRY\)](#)

[Interdisciplinary Studies \(INTD\)](#)

Detailed study of selected cultural ideas as they reflect on and are reflected by British literature. May be repeated for a maximum of 6 hour credit with change in course content.

ENGL 4323 - Southern Literature (3)
Study of selected texts from and about the U.S. South.

ENGL 4324 - Early American Literature (3)
An advanced seminar on authors, movements, and genres from early American literature.

ENGL 4325 - 19th Century Amer Literature (3)
Detailed study of a body of texts, literary movements, themes, and authors in 19th century American literature.

ENGL 4326 - 20th Century Amer Literature (3)
Detailed study of a body of texts, literary movements, themes and authors in 20th century American literature.

ENGL 4346 - Cultural Ideas in Amer Lit (3)
Detailed study of selected cultural ideas as they reflect on and are reflected by American literature. May be repeated for a maximum of 6 hours credit with change in course content.

ENGL 4372 - Af/Am Author/Harlem Ren (3)
In-depth study of two or three authors prior to 1930, focusing on relationships among them and comparing their aesthetics. May be repeated for maximum of 6 hours credit with change in course content.

ENGL 4373 - Af/Am Author since Harlem Ren (3)
In-depth study of two or three authors since 1930, focusing on relationships among them and comparing their aesthetics. May be repeated for maximum of 6 hours credit with change in course content.

ENGL 4374 - African-Amer Lit Movements (3)
A focused study of African-American literary movements, such as the Harlem Renaissance, Black Arts Movement, or the Black Feminist Movement. May be repeated for a maximum of 6 hours credit with change in course content.

ENGL 4430 - Graphic Novel (3)
Close study of the nature and cultural significance of the graphic novel genre, characterized by interplay between verbal and visual.

ENGL 4431 - Contemporary Literature (3)
Close study of selected literature from 1960 to present.

ENGL 4442 - Studies in World Literature (3)
Study of literary texts from a variety of national traditions in languages other than English. Readings will be in English.

ENGL 4451 - Studies/Women and Literature (3)
Literature and criticism by and about women.

ENGL 4452 - Modern Drama (3)
American, British, and European drama from Ibsen to 1950.

ENGL 4453 - Contemporary Drama (3)
American, British, and European drama from 1950 to the present.

ENGL 4454 - Literary Movements (3)
A focused study of specific literary movements, such as modernism, surrealism, or magical realism. May be repeated for a maximum of 6 hours credit with change in course content.

ENGL 4455 - Literature and the Arts (3)
An examination of the interplay between literature and other art forms. May be repeated for a maximum of 6 hours credit with change in course content.

ENGL 4456 - Reading in Literary Nonfiction (3)
A close study and critical analysis of the nonfictional literary genres, including but not limited to autobiography, biography, essay, and travel literature.

ENGL 4457 - Poetry and Poetics (3)
A study of poetry concentrating on critical analysis of poetic structure and theories.

ENGL 4461 - Bible as Literature (3)

Survey of both Old and New Testaments.

ENGL 4501 - History of English Lang (3)

Development of English from a minor Germanic dialect to a major international language.

ENGL 4511 - Language and Literature (3)

How linguistics can illuminate the analysis of literature, the nature of literary language, and the linguistic options open to a writer.

ENGL 4521 - Language and Society (3)

Place of language in society and how it creates and reflects social relationships; geographical and social dialects, male/female differences, and language of various subgroups within our culture; intensive examination of implications of language differences.

ENGL 4522 - Gender and Language (3)

Study of gender as a variable as it intersects with language use in a variety of contexts, including professional, legal, medical, and academic settings.

ENGL 4530 - Practicum in ESL (3-6)

Experience in observing and teaching, peer teaching, and work with an ESL specialist. Repeatable for a maximum of 6 hours. (S/U).

ENGL 4531 - Methods and Techniques ESL (3)

Methods and techniques of teaching English as a Second Language in various settings.

ENGL 4532 - Skills/App/Assess ESL (3)

Approaches to evaluation and means of assessment of language skills, with special emphasis on English as a Second Language.

ENGL 4533 - Issues/Tech/Eng Foreign Lang (3)

Skills, background, and approaches needed for teaching English outside the United States.

ENGL 4599 - Forms of Creative Nonfiction (3)

Study of various types of creative nonfiction and the techniques appropriate to each.

ENGL 4600 - Creative Nonfiction Workshop (3)

Nature of nonfiction, critical approaches to the genre; practical experience in writing and revising text. May be repeated for a maximum of 6 hours credit with permission of instructor. PREREQUISITE: ENGL 3607 or ENGL 3608.

ENGL 4601 - Poetry Workshop (3)

The nature of poetry, critical approaches to the poem, and practical experience in writing and revising text. May be repeated for maximum of 6 hours credit with permission of instructor. PREREQUISITE: ENGL 3606.

ENGL 4602 - Adv Composition (3)

Principles involved in writing clear expository prose; emphasis on application of these principles; analysis of readings and of student's writing.

ENGL 4603 - Fiction Workshop (3)

Nature of short story and longer forms of fiction, critical approaches to fiction, and practical experience in writing and revising text. May be repeated for maximum of 6 hours credit with permission of instructor. PREREQUISITE: ENGL 3607 or ENGL 3608.

ENGL 4604 - Forms of Poetry (3)

A study of metrics, forms, and types of poetry in English with attention to the principal traditions and critical ideas associated with the writing of verse in English.

ENGL 4605 - Forms of Fiction (3)

A study of how fiction works through analyzing the short story, the novella, and the novel with attention to technical developments.

ENGL 4610 - Creative Writing/Translation (3)

Study and practice in translating poetry, fiction, or non-fiction; use of creative writing as tool in teaching of foreign language. May be repeated for credit with change of topic or genre. PREREQUISITE: 3000-level creative writing workshop in the same genre (fiction, poetry, or creative non-fiction), and permission of instructor.

ENGL 4611 - English Studies/Internl Locale (3-6)

Blended course of on-campus and national or international study and research in specific areas related to topic culminating in an integrative experience through individual and/or group projects. Varied topics may require studies of relationships of culture to text and language, history, analysis, documentation, and/or production of text and language.

Course may be repeated, but only 6 credit hours may be earned towards a degree.
PREREQUISITE: permission of instructor.

ENGL 4616 - The Publishing Process (3)

Steps in the publishing process from writing a manuscript to printing it, including the publishing of various genres throughout the world.

ENGL 4618 - Document Design (3)

Theories of visual and written communication, focusing on the interrelationship between visual and verbal elements; practice in effective design using layout and graphics software; working on client projects in a collaborative setting. PREREQUISITE: ENGL 3601 or permission of instructor.

ENGL 4619 - Web Design/Online Writing (3)

Principles and techniques of creating online user help for software and usable web sites; emphasis on needs of technical writers in professional development environment; task analysis, information architecture, content management, single sourcing, visual rhetoric, navigation, usability testing; technology tools intensive. Students who have received credit for ENGL 4617 cannot take this course for credit. PREREQUISITE: ENGL 3601 or permission of instructor.

ENGL 4630 - Intern Profsnl Writing (3)

Experience in technical, scientific, legal, government, or business writing with a professional in the field. Dependent upon availability. PREREQUISITE: 3601 and 3602 and permission of instructor.




ENGL 4711 - Author/Text/Reader/World (3)

Methodological reflection upon theory and practice of reading linguistic, literary, and rhetorical models. PREREQUISITE: 15 hours of English.

ENGL 4900 - Independent Study (1-3)

A selected topic or problem in the field of literature, language, or writing. Topic must not duplicate existing University courses. May be repeated for maximum of 3 hours credit. PREREQUISITE: permission of instructor.

ENGL 4996 - Honors Thesis (3)

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Environmental Studies

(ENVR) ENVIRONMENTAL STUDIES
Interdisciplinary Studies Office
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In addition to the courses below, the department may offer the following Special Topics courses:

ENVR 4100-4110. Biological and Physical Environmental Study. (3).

ENVR 4120-4130. Social and Behavioral Environmental Study. (3).

ENVR 4000 - Environ Studies Directed Rsrch (3)

First hand research experience under tutorship of individual faculty member. Students may work individually or in small groups depending upon project. PREREQUISITE: permission of instructor. (S/U).

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Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

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Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

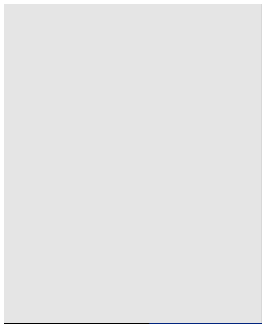
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HADM

(HADM) HEALTH ADMINISTRATION
School of Public Health
Division of Health Administration
La Don Jones, Ph.D., Director
Room 230, McCord Hall
<http://healthadmin.memphis.edu>

HADM 4101 - Health Systems (3)

Analysis of health and medical care systems with reference to public, private and voluntary agencies at local, state, regional, and national levels; orients administrators to health and medical care systems with which they may work. PREREQUISITE: junior or senior standing.

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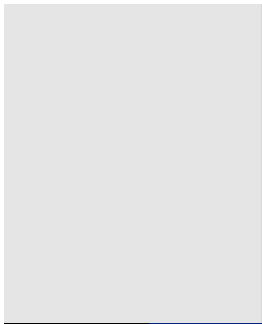
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HIST

(HIST) HISTORY
Aram Goudsouzian, Ph.D., Chair
Room 219, Mitchell Hall
<http://history.memphis.edu>

In addition to the courses below, the department may offer the following Special Topics courses:

HIST 4050-69. Special Topics in History. (1-3). Intensive study of selected topics; topic announced in online class listing.

HIST 1110 - World Civilization I (3)

Especially recommended for freshmen; traces forms of civilization from beginnings to 1500. [G]

HIST 1120 - World Civilization II (3)

Especially recommended for freshmen; traces forms of civilization from 1500 to present. [G]

HIST 2010 - U S to 1877 (3)

United States from discovery to end of political reconstruction. [G]

HIST 2020 - The U S Since 1877 (3)

United States from 1877 to present. [G]

HIST 2030 - Tennessee History (3)

(3900). Political, economic, and social development of Tennessee from earliest times. [G]

HIST 3035 - Technology/Culture Am History (3)

Interrelationship between technology and culture; emphasis on 19th and early 20th centuries.

HIST 3121 - England Before 1714 (3)

Political, constitutional, cultural, social, and economic development of England from coming of Anglo-Saxons until Hanoverian accession in 1714.

HIST 3122 - England Since 1714 (3)

Development of England's democratic government, considering economic, social, intellectual, diplomatic, and imperial affairs.

HIST 3211 - Colonial Latin America (3)

Political, economic, social and cultural development in Latin America from pre-conquest era to 1808.

HIST 3212 - Latin American Nations (3)

Major political, economic, and social trends in Latin America since 1808; emphasis on Argentina, Brazil, Chile, and Mexico.

HIST 3273 - Islamic Civilization (3)

Survey of the development of Islamic religious, social, political, intellectual, and cultural traditions from the time of Muhammad through the 18th century; geographical focus is the Middle East, India, Asia, and Africa.

HIST 3275 - History of Jewish People (3)

History of Jewish people from antiquity to present; emphasis on their changing relationships to larger cultures in which they participated.

HIST 3281 - History/Africa to 1500 (3)

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Human origins to the beginnings of African-European Atlantic trade in the 15th century; gathering-hunting societies; agriculture and technology; early African civilizations; classical age kingdoms and empires; Christianity, Islam, African religions; Indian Ocean world; Trans-Saharan trade network. NOTE: students who have earned credit for HIST 3280 may not receive credit for HIST 3281.

HIST 3282 - History of Africa since 1500 (3)

Origins of Atlantic era to present; African-European trade; slavery and slave trade; African Diaspora; kingdoms and empires; European settlement and apartheid in South Africa; economic and political changes of the 19th century; European colonial occupation; struggle for independence; Africa today. NOTE: students who have earned credit for HIST 3280 may not receive credit for HIST 3282.

HIST 3290 - Traditional East Asia (3)

Comparative survey of civilizations in India, China, Japan, and Southeast Asia, from their beginnings through the 18th century.

HIST 3291 - Modern Asia (3)

Asia from 1800 to present, focusing on Asian reactions to colonialism, and rise of modern nation states in India, Japan, China, and Southeast Asia.

HIST 3301 - Early Modern Europe (3)

HIST 3302 - Modern Europe 1800-Present (3)

HIST 3320 - Ancient World (3)

Survey of civilizations of ancient Egypt and the Near East, Greece, and Rome.

HIST 3370 - Medieval/Renaissance Europe (3)

Political, religious, social, economic, intellectual, cultural, and artistic developments in Europe from the 6th to the 16th centuries; ways of thought and life; collapse and recovery after the fall of the Roman Empire; flourishing of High Medieval culture; disasters after 1300; rise of humanism; Italian and Northern Renaissance.

HIST 3506 - Cultural/Intel Hist Europe (3)

Topics in history of European culture and thought from late Middle Ages to twentieth century.

HIST 3803 - American Diplomatic History (3)

Though including the 18th and 19th centuries, course concentrates on 20th century; emphasizes relationship between foreign policy and domestic forces.

HIST 3811 - U S Military/Naval History (3)

Developments since colonial period; emphasis on background and growth of national military and naval establishments, military and naval thought, difficulties accompanying modernization and assumption of global responsibilities, and problem of relationship between civilian and military-naval sectors in democracy.

HIST 3815 - World War II (3)

Broad overview of origins, principal campaigns, and effects of World War II with some attention to domestic considerations; legacy of Great War, blitzkrieg, invasion of Europe, Pearl Harbor, Battle of Midway, defeat of Germany and Japan, and domestic impact of the war.

HIST 3817 - Vietnam War Global Prsp (3)

Traditional Vietnamese culture, its response to contact with the West and, more extensively, involvement of United States in the Indochina War.

HIST 3823 - Economic History of U S (3)

HIST 3840 - U S Constitutional History (3)

Constitutional developments from colonial period to present, emphasis on English heritage, constitutional antecedents of revolutionary era, origins and growth of federal system under Constitution of 1787, and evolution of modern constitutional government in United States.

HIST 3863 - Social/Intel Hist of U S (3)

Survey of way Americans have thought about essential features of social and political order; development of and debate over central ideas of equality, freedom, and individualism that have defined the order of the common life. [G]

HIST 3881 - African American History (3)

(4881). History and culture of African Americans in light of their experiences; aspects of

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African American life and attitudes of dominant society within which African Americans lived; ways African American men and women shaped and nurtured their own lives, culture and history in U.S. [G]

HIST 3905 - History of Memphis (3)

Political, social and economic aspects of development of Memphis from foundation to present.

HIST 3920 - The Old South (3)

Southern institutions prior to outbreak of Civil War.

HIST 3930 - The New South (3)

South from Civil War to present.

HIST 4003 - Philosophy of History (3)

History as a distinct discipline; thought of leading Western philosophers of history about nature of history in its two senses: history as actuality and history as thought about actuality.

HIST 4012 - Directed Reading/Honors (3)

Under the direction of faculty member, student reads about particular topic or topics. May be repeated for a maximum of 6 hours credit. PREREQUISITE: admission to Honors Program.

HIST 4014 - Directed Readings (1-3)

Readings on particular topic in history under supervision of member of faculty.

HIST 4020 - Internship in History (1-12)

Supervised internships working with various governmental agencies, private foundations or businesses of interest to historians. May be repeated for up to 12 hours credit, of which no more than 6 hours may be counted toward the satisfaction of major requirements. PREREQUISITE: permission of department.

HIST 4022 - Oral History (3)

Applied history, covering oral history theory, research, and interviewing procedures.

HIST 4050 - 20th Century Southern Lives (3)

Exploration of the dynamic interplay between southern history and the range of myths, symbols and ideologies through which southerners and others have attempted to define and conceptualize the region.

HIST 4051 - Afro-Cuban History/Culture (3)

History and culture of Afro-Cubans from origins to the present.

HIST 4057 - Understanding the Arab Spring (3)

Use of primary and secondary sources for understanding of the "Arab Spring" as the recent uprisings and revolutions in the Middle East that began in December 2010.

HIST 4058 - Archaeology and History (3)

Interdisciplinary approach of an awareness of material culture investigations and its possibilities in ways to approach historical issues.

HIST 4059 - Black Memphis (3)

Social and cultural, political and economic roles of African Americans in Memphis from the early 19th century through the early 21st century.

HIST 4064 - 20th C Chinese History Films (3)

Issues of modern Chinese history and an examination of how that history is treated in Chinese film.

HIST 4069 - Perspectives/Science/Math (3)

Overview of the history of science and mathematics; historical perspectives and context to work in pedagogy; intellectual curiosity and critical thinking skills will be promoted.

HIST 4126 - Victorian/Edwardian England (3)

Social, political, and cultural adjustments of England to experience of industrialization in 19th and early 20th centuries.

HIST 4145 - History of Modern Germany (3)

Germany from origins of unification movement in Napoleonic Era through Second World War.

HIST 4160 - Russia to 1917 (3)

Russia from earliest times to 1917; emphasis on the rise of serfdom and autocracy and evolution of revolutionary movement.

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HIST 4162 - Russia after 1917 (3)

Detailed study of 1917 Revolution and major developments in government, economy, cultural and social life, and international affairs that followed.

HIST 4213 - Women/Gender/Latin America (3)

Examination of roles of women and gender in Latin America from colonial times to beginning of twentieth century.

HIST 4221 - 20th Century Latin Amer Rev (3)

Critical comparative examination of twentieth-century revolutionary movements in Latin America, focusing on Mexico, Guatemala, Nicaragua, and Chile.

HIST 4222 - Race/Class in Latin America (3)

Examination of colonial times to present, focusing on development of racial, ethnic, class identities, and their roles in economic, social, political, and cultural life.

HIST 4260 - World Since 1945 (3)

Global ideological, economic and political developments since World War II. Emphasizes rising affluence of industrial free market, movement of former colonies to independence, and growth in diversity among Soviet bloc nations.

HIST 4272 - Modern Middle East (3)

Political, diplomatic, social and religious developments in Middle East from 1800 to present.

HIST 4276 - Palestine/Zion/Israel/Conflict (3)

Origins of the Israeli-Palestinian dispute from the late 18th century through the founding of the State of Israel and expulsion/flight of three quarters of a million Palestinians from the homes to the present day; major debates and controversies related to the dispute through primary and secondary sources.

HIST 4277 - Ottoman Empire (3)

Ottoman Empire people, geography, cultures, politics, administration, economy, and societies from its rise in the 13th century until its demise in 1922; major historiographical debates and literature related to the Ottoman Empire through primary and secondary sources, art, and literature.

HIST 4283 - History/South Africa (3)

Human origins to present with emphasis on economic and political history of 19th and 20th centuries; history examined within larger context of events throughout entire southern African region and globally; apartheid system and liberation ideologies such as socialism, Pan-Africanism, Black Consciousness explored through study of primary documents, film, music.

HIST 4288 - West Africa/Diaspora (3)

West Africans from 15th century to present; Trans-Atlantic Slave Trade and African Diaspora in the Americas; economic and social history of period through study of primary documents, film, music.

HIST 4289 - African Women's History (3)

Women of African continent from human origins to present; major epochs in African history; diversity of continent; theoretical issues related to gender through study of primary documents, fiction, film.

HIST 4292 - Modern China 1800-Present (3)

HIST 4294 - Modern Japan 1800-Present (3)

HIST 4320 - Ancient Near East (3)

From the beginnings of Mesopotamia down through the great empires of Assyria, Babylon, and Persia.

HIST 4321 - Greek Experience (3)

Politics, society and culture in ancient Greece to Alexander the Great.

HIST 4322 - The Roman World (3)

Hellenistic kingdoms and Roman Empire.

HIST 4323 - Egypt of the Pharaohs (3)

Survey of ancient Egyptian civilization, covering major political and social developments, religion, writing and literature, Egypt's relations with the rest of Africa, and sample problems illustrating how Egyptologists make sense of the scattered remains from which our understanding of ancient Egypt must be built.

HIST 4361 - History of Byzantine Empire (3)

Byzantine or East Roman Empire from 330 to 1453 and its influence on Slavic, Turkic, and Islamic peoples.

HIST 4372 - High Middle Ages (3)

Summary of the Early Middle Ages, economic, technological, cultural, intellectual, and religious expansion after 1000; courtly love, Romanesque and Gothic art; limited government, church and state conflicts; reason vs revelation; universities, scholasticism, women, Judaism, science, Franciscans, heretics; life of ordinary people; disasters of the 14th century, roots of the Renaissance.

HIST 4380 - Renaissance Europe (3)

Rise of humanism during 14th century disasters; intellectual, economic, social, cultural, religious, and artistic developments of 14th through 16th centuries, emphasizing Italy, especially Florence; women, life of ordinary people; guilds, republicanism and despotism, neoplatonism; Christian and civic humanism, Northern Renaissance.

HIST 4386 - Intro to Museums (3)

(Same as ARTH 4386). Overview of museums and the museum field, including history, development, philosophy, function and current and future trends in museums. May not be repeated for credit.

HIST 4390 - Europe-Age Reformation (3)

Characteristic political, social, economic, intellectual, and cultural developments and religious conflicts of late fifteenth and sixteenth centuries.

HIST 4401 - Europe-Age Baroque (3)

Political crises, development of monarchical absolutism, rise of modern science, and cultural synthesis in seventeenth century.

HIST 4440 - French Revolution (3)

The Old Regime, origins and development of Enlightenment thought, and revolutionary and counter-revolutionary movements in 18th century Europe.

HIST 4453 - Europe 1815-1914 (3)

HIST 4461 - Europe 1914-1945 (3)

HIST 4620 - Colonial America to 1783 (3)

Political development and economic, social and cultural institutions of English Colonies in America, including origins and conduct of American Revolution.

HIST 4630 - New Nation/1783-1815 (3)

HIST 4640 - Jackson America 1815-1850 (3)

HIST 4670 - Civil War/Reconstruc 1850-1877 (3)

HIST 4680 - Emr Modern America 1877-1914 (3)

United States from end of Reconstruction to outbreak of World War I.

HIST 4701 - U S 1914 to World War II (3)

United States from outbreak of World War I to World War II.

HIST 4702 - U S Since W War II (3)

The United States from World War II to present.

HIST 4823 - American Labor History (3)

Historical development of labor movement in United States; emphasis on social, economic, and political trends related to labor movement.

HIST 4824 - Business History (3)

Historical development of business in the United States; attention to social, economic, and political trends related to American business communities.

HIST 4831 - History American Family (3)

Analysis of changes in family size and structure and relationships between family and society from colonial times to present.

HIST 4851 - History of Women in America (3)

History of women from discovery of America to present. [G]

HIST 4853 - African American Women (3)

Social, political, economic, cultural history of African American women from the sixteenth century to the present.

HIST 4861 - Parks/People/Public Policy (3)

Comparative study of history and administration of public land areas in the United States, and of American conservation.

HIST 4863 - History/Childhood in America (3)

Historical consideration of children and childhood in American society from early 17th century to present.

HIST 4871 - U S Urban History (3)

Development of American cities, including formation of local social, economic, and political institutions, and impact of urbanization on United States.

HIST 4879 - Africa to the Americas (3)

Arrival of Africans in western hemisphere; expansion of antebellum slavery into US lower south by 1820; African Diaspora; colonial slavery; impact of slavery on formation of United States; development of African American culture; relationships between enslaved and free Blacks, Europeans, Native American during colonial and early national periods. PREREQUISITE: HIST 3881, or AAAS 2100, or equivalent introductory survey course.

HIST 4880 - Slavery/Freedom/Segregation (3)

African Americans from 1820s to early 1900s; social, political, economic developments; antebellum slavery and freedom; impact of westward expansion; Civil War emancipation and post-war construction of freedom; development and impact of legal and extra-legal segregation; black nationalism and Pan-Americanism; Progressivism through beginnings of Great Migration. PREREQUISITE: HIST 3881, or AAAS 2100, or equivalent introductory survey course.

HIST 4882 - Civil Rights Movement (3)

Struggle for African American equality, with emphasis on key civil rights issues, events, leaders, and strategies. PREREQUISITE: HIST 3881, or AAAS 2100, or equivalent introductory course.

HIST 4941 - History of American Indian (3)

Role of Indian in American history.

HIST 4996 - Honors Thesis (3)

Under direction of faculty member, and with approval of Honors Committee, student writes thesis based on research in primary and/or secondary sources. PREREQUISITE: admission to Honors Program.

HIST 4999 - Nature of Historical Inquiry (3)

A synthetic examination of the nature of historical inquiry as practiced by the discipline of history, including historical interpretation and controversy, analyses of historical sources, historical research and writing and integration of the various subfields of the discipline of history. PREREQUISITE: 21 hours in history.

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INTL

(INTL) INTERNATIONAL STUDIES
Interdisciplinary Studies Office
Room 107, Scates Hall
<http://www.memphis.edu/intl/>

In addition to the courses below, the department may offer the following Special Topics courses:

INTL 3700-09. Special Topics in International Studies. (3). Topics are varied and in online class listings. Open to all students.

INTL 4601 - Seminar International Studies (3)

Investigation of selected topics in international relations from interdisciplinary perspective. Individual research and presentation of major paper that integrates tools, data or concepts of two or more disciplines. **PREREQUISITE:** permission of Director of International Studies.

INTL 4911 - Internship Internatl Studies (1-6)

Practical experience in international organization. Students placed for some period of time with governmental or private organization to obtain practical experience in foreign policy making, problems of development, and/or cross-cultural communication. Academic credit granted upon certification of cooperating agency and acceptance by faculty of written report by student. May be repeated for a maximum of 6 hours credit. **PREREQUISITE:** permission of Director of International Studies.

INTL 4912 - Directed Individual Study (1-6)

Individually directed advanced reading and/or research in special areas of interest. May be repeated for a maximum of 6 hours credit. **PREREQUISITE:** permission of Director of International Studies.

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Fogelman College of Business and Economics

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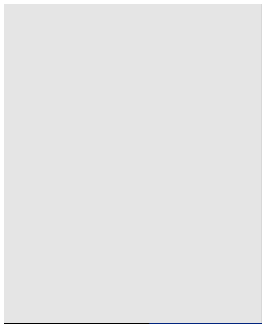
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JDST

(JDST) JUDAIC STUDIES
Room 301, Mitchell Hall
<http://www.memphis.edu/jdst/>

In addition to the courses below, the department may offer the following Special Topics courses:

JDST 4700-4799. Special Topics. (1-3). Examination of selected topics announced in the online class listing.

JDST 2850 - Religions of Abraham (3)

(UNIV). Survey of development of several Near Eastern religious traditions; consideration of intellectual relationships among them. [G]

JDST 3601 - Judaism (3)

Fundamental principles of Judaism, its role in the cultural life of the Jewish people, and its influence on human civilization.

JDST 3661 - Old Testament (3)

(Same as LALI 3661). Interdisciplinary examination of portions of Hebrew Bible, Mishnah, Midrash, and other texts along with commentaries. All texts will be read in translation.

JDST 3801 - Jewish Thought I (3)

Thinkers and texts that shaped Jewish thought and life in ancient and medieval times; Talmud, the Midrash, the Kabbalah, and such thinkers as Saadia Gaon, Solomon ibn Gabriel, Judah Halevi, Maimonides.

JDST 3802 - Jewish Thought II (3)

Continuation of JDST 3801, from 16th century until modern times; concepts of God, humanity, nature, good and evil, making meaning out of life, and others.

JDST 4511 - Holocaust Studies (3)

(Same as UNIV 4511). Interdisciplinary study of issues that arise out of the Holocaust; questions of good and evil, divinity and humanity, truth and responsibility. [W, I]

JDST 4671 - Jewish Literary Texts (3)

Development of Jewish narrative traditions; Jewish poetry, fiction, drama studied from perspectives of different national cultures in which Jewish literature has emerged. All texts will be read in translation.

JDST 4801 - Jewish Mysticism (3)

Fundamental principles of Jewish mystical tradition; development of basic concepts; medieval mysticism, Kabbalah, Lurianic mysticism, Chasidism, modern mystical movements.

JDST 4820 - Political History of Israel (3)

(Same as POLS 4820). Interdisciplinary study of political stages in the development of the State of Israel, from mid 19th century to current times, with particular attention paid to key figures in the Zionist movement.

JDST 4830 - Israeli/Arab Conflict (3)

(Same as UNIV 4830). Interdisciplinary examination of historical, political, and cultural dimensions of tensions that have existed between the Israelis and Arabs since the founding of the State of Israel, with particular attention to current situation.

JDST 4840 - Israel/Antiquity in Modernity (3)

(Same as ANTH 4840). Interdisciplinary examination of relationship between ancient traditions and modern issues in Israel; emphasis on relationship between historical conditions, conflicts, and interconnections, and new choices facing Israel.

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JDST 4841 - Biblical Archaeology (3)

(Same as ANTH 4841). Relationship between historical texts in Hebrew Bible and historical evidence from archaeological research in Israel and surrounding area; emphasis on how archaeological evidence and biblical narratives illuminate each other.

JDST 4900 - Independent Study (3)

Directed individual study or research. May be repeated once. **PREREQUISITE:** Completion of out-of-class learning contract and approval of director of Bornblum Judaic Studies.

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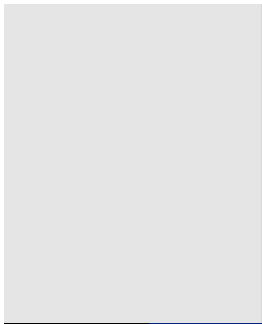
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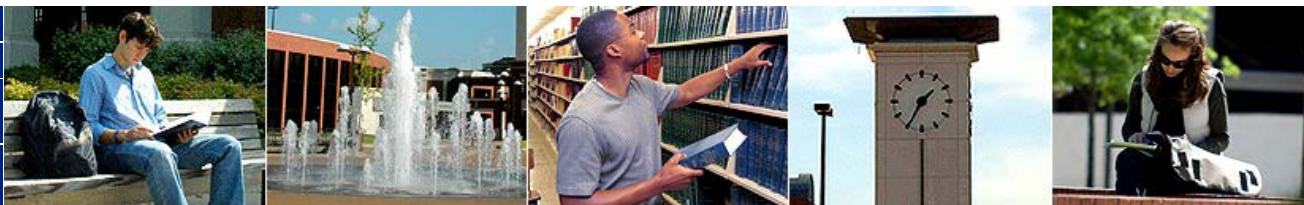
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MATH

(MATH) MATHEMATICS
Department of Mathematical Sciences
John R. Haddock, Ph.D., Interim Chair
Room 373, Dunn Hall
<http://www.msci.memphis.edu/>

In addition to the courses below, the department may offer the following Special Topics courses:

MATH 2011-2019. Special Topics in Mathematics. (1-3). Topics are varied and in online class listings. PREREQUISITE: permission of instructor.

MATH 4010-19. Special Topics in Mathematics and Statistics. (1-3). Topics are varied and announced in online class listings. PREREQUISITE: permission of instructor.

MATH 1100 - Basic Algebra (3)

Review of Real number system; exponents; rational roots; graphs using graphing calculators; partial fractions; synthetic division; theory of equations; inequalities; applications. NOTE: does not satisfy any part of mathematics requirements for any degree. PREREQUISITE: a minimum score of 14 on the ALEKS Math Assessment.

MATH 1420 - Foundations of Mathematics (3)

Algebra review and applications; functions, graphs, permutations, combinations; introduction to probability and statistics; problem solving. PREREQUISITE: MATH 1100 or MATH 1710 with a minimum grade of C- or a minimum score of 30 on the ALEKS Math Assessment. Special sections of MATH 1420 that meet 4 days a week require a minimum score of 14 on the ALEKS Math Assessment. [G]

MATH 1421 - Honors Calculus I (4)

Concepts of differential calculus with emphasis on theory; limits, continuous functions, applications of the derivative. NOTE: students may not receive credit for both MATH 1421 and MATH 1910. PREREQUISITE: permission of instructor.

MATH 1480 - Math/Elem School Teachers (3)

Examination of mathematics taught at the elementary school level; problem solving, sets, algebraic thinking, number theory, rational numbers, real numbers. PREREQUISITE: MATH 1100 or MATH 1420 or MATH 1710 with a minimum grade of C- or a minimum score of 46 on the ALEKS Math Assessment.

MATH 1530 - Prob/Statistics/Non Calculus (3)

Underlying ideas of statistical and quantitative thinking; randomization in sample survey methods and design of experiments; double blind experiments and observational studies; descriptive and summary statistics; measurement errors; probability models; normal approximation; tests of significance and p-values, basic concepts of correlation and regression analyses; MINITAB. NOTE: Math majors may not use this course as part of the major. PREREQUISITE: MATH 1100 or MATH 1420 or MATH 1710 with a minimum grade of C- or a minimum score of 46 on the ALEKS Math Assessment. [G]

MATH 1710 - College Algebra (3)

Analysis of functions (linear, quadratic, polynomial, root, rational, exponential, logarithmic) using graphing calculators; partial fractions; synthetic division; conic sections; theory of equations; inequalities; applications. NOTE: only one of MATH 1710 or MATH 1730 may be used to satisfy degree requirements. PREREQUISITE: A minimum score of 46 on the ALEKS Math Assessment. Special sections of MATH 1710 that meet 4 days a week require a minimum score of 30 on the ALEKS Math Assessment. [G]

MATH 1720 - Trigonometry (3)

(1212). Circular functions; inverse circular functions, graphs of circular and inverse functions, identities, equations, angles, trigonometric functions, solution of triangles, elementary application of vectors; trigonometric form of complex numbers. NOTE: MATH

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1720 and MATH 1730 will not satisfy a six semester hour degree requirement. PREREQUISITE: MATH 1710 with a minimum grade of C- or a minimum score of 61 on the ALEKS Math Assessment.

MATH 1730 - Pre-Calculus (4)

Exponents, radicals, quadratic functions, inequalities; relations and functions; inverse, exponential and logarithmic functions; solution of algebraic systems; trigonometric functions, identities, equations and graphs; angle measurements; sum, difference, half-angle and double-angle formulas; solution of triangles, laws of sines and cosines. NOTE: MATH 1710 and 1730, or 1720 and 1730 will not satisfy a six semester hour degree requirement. PREREQUISITE: MATH 1710 with a minimum grade of C- or a minimum score of 61 on the ALEKS Math Assessment. [G]

MATH 1830 - Elementary Calculus (3)

Introduction to concepts and methods of elementary calculus of one real variable as related to rational, exponential, and logarithmic functions; nature of derivatives; differentiation; application of derivative; nature of integration: definite integral; applications of definite integral. NOTE: only one of MATH 1830 or 1910 may be used to satisfy degree requirements. PREREQUISITE: MATH 1710 or MATH 1730 with a minimum grade of C- or a minimum score of 61 on the ALEKS Math Assessment. [G]

MATH 1900 - Experience/Calculus (1)

In-depth study of concepts introduced in MATH 1830 with focus on use of transcendental function. Students completing both MATH 1830 and 1900 will fulfill the required prerequisites for MATH 1920. PREREQUISITE: MATH 1830 with a grade of "A-", and permission of instructor.

MATH 1910 - Calculus I (4)

Introduction to calculus of one real variable; limits; continuity; derivatives; applications of derivatives including Newton's method, graphing techniques, optimization, indeterminate forms and l'Hospital's rule; antiderivatives; includes transcendental functions. NOTE: only one of MATH 1830 or MATH 1910 may be used to satisfy degree requirements. Students may not receive credit for both MATH 1910 and MATH 1421. PREREQUISITE: MATH 1720 or MATH 1730 with a minimum grade of C- or a minimum score of 76 on the ALEKS Math Assessment. [G]

MATH 1920 - Calculus II (4)

Integration and applications of the definite integral; techniques of integration and improper integrals; curves defined by Parametric equations; arc length and surface area; polar coordinates; infinite series, Taylor and McLaurin series. NOTE: students may not receive credit for both MATH 1920 and MATH 2421. PREREQUISITE: MATH 1910 or both MATH 1830 and 1900.

MATH 2000 - Experiences in Mathematics (3)

Introduction to selected areas of mathematical sciences through application to modeling and solution of problems involving networks, circuits, trees, linear programming, random samples, regression, probability, inference, voting systems, game theory symmetry and tilings, geometric growth, conics, comparison of algorithms, codes and data management. PREREQUISITE: three years of high school mathematics, including two years of algebra and one year of geometry. [G]

MATH 2015 - Math/Elementary Teacher II (3)

Topics and material include improved mathematical problem solving abilities, thinking skill, content to provide a deeper understanding of mathematical concepts related to measurement, geometry, and statistics as they are used at the K-8 grade levels.

MATH 2110 - Calculus III (4)

Multivariable calculus including three-dimensional analytic geometry and vectors, quadratic surfaces, arc length and curvature, limits and continuity, partial derivatives and their applications, tangent planes, optimization problems and Lagrange multipliers, multiple integrals, vector fields, line and surface integrals, Green's theorem, Stokes' theorem, the divergence theorem. PREREQUISITE: MATH 1920.

MATH 2421 - Honors Calculus II (4)

Differential and integral calculus with emphasis on theory; anti-derivatives, definite integrals, techniques of integration, sequences, and series. NOTE: Students may not receive credit for both MATH 2421 and 1920. PREREQUISITE: MATH 1421 or MATH 1920, and permission of instructor.

MATH 2422 - Honors Calculus III (4)

Multivariable calculus; vectors and matrices, partial derivative and applications, multiple integrals, line and surface integrals, Green's and Stokes' theorem. NOTE: Students may not receive credit for both MATH 2422 and 2110. PREREQUISITE: MATH 2421.

MATH 2702 - Intro Proof/Fundamental Math (3)

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Logic, algebra of sets; forms of proof including mathematical induction; elementary combinatorics and binomial theorem; paradoxes, basic number theory, cardinality. PREREQUISITE: MATH 1910.

MATH 3120 - Differential Equations (3)
Ordinary differential equations including series solutions. PREREQUISITE: MATH 2110.

MATH 3221 - Elementary Number Theory (3)
Divisibility properties of integers; prime numbers; congruences; Diophantine equations; quadratic residues; number theoretic functions; Fermat's theorem and Euler's generalization; applications to cryptography; quadratic reciprocity law. PREREQUISITE: MATH 3242, or one of MATH 2702, COMP 2700 with a minimum grade of C- or permission of instructor.

MATH 3242 - Intro Linear Algebra (3)
Systems of linear equations, matrices, elementary row and column operations, determinants; vector spaces and subspaces; linear transformations. PREREQUISITE: MATH 2110, or MATH 1920 and one of MATH 2702, COMP 2700 with a minimum grade of C- or permission of instructor.

MATH 3402 - Honors Mathematics IV (4)
Linear algebra and differential equations; vector spaces, bases, linear transformations, matrices, first and second order ordinary differential equations, systems, phase plane methods. NOTE: students with credit for this course cannot receive credit for MATH 3242 or MATH 3120. PREREQUISITE: MATH 2422.

MATH 3410 - Honors Seminar in Math I (1)
Exploration of origin and evolution of important mathematical ideas through examination of lives and work of famous mathematicians. PREREQUISITE or COREQUISITE: enrollment in one of the Honors Calculus courses (MATH 1421, 2421, 2422, or 3402), or admission to departmental or University Honors Program, or permission of instructor.

MATH 3411 - Honors Seminar in Math II (1)
Investigation of major topics in field of mathematics, such as Fundamental Theorem of Arithmetic, Prime Number Theorem, van der Waerden's Theorem and nowhere differentiable functions. PREREQUISITE or COREQUISITE: enrollment in one of the Honors Calculus courses (MATH 1421, 2421, 2422, or 3402), or admission to departmental or University Honors Program, or permission of instructor.

MATH 3581 - College Geometry (3)
Axiomatic systems; major results from plane geometry; affine, projective, elliptic, and hyperbolic geometry; applications of differential calculus. PREREQUISITE: MATH 1910 and one of MATH 2702, COMP 2700 with a minimum grade of C-.

MATH 4001 - Math Connect/Function/Model (3)
Use of mathematics as an aid to understand problems from social and life sciences; insightful understanding of powerful mathematical modeling techniques. PREREQUISITE: Enrollment limited to students in the Tigers Teach program and MATH 1910, 1920, 2702

MATH 4017 - Intro/Math Quantum Mechanics (3)
Hilbert space; Spectral Theorem and associated functional calculus, Newtonian and Hamiltonian classical mechanics with examples from Schroedinger's equation, simple harmonic motion, simple relativistic versions; Dirac equations and Quantum Chemistry. PREREQUISITE: permission of instructor.

MATH 4020 - Actuarial Mathematics (3)
Preparation for SOA Exam P, CAS Exam 1. Conditional probability, dependence, combinatorial principles, random variables, discrete and continuous probability distributions, expectation, marginal distributions, risk management concepts. COREQUISITE: MATH 4635.

MATH 4022 - Fin Math I/Theory of Interest (3)
Preparation for SOA Exam FM, CAS Exam 2. Interest rates and time value of money, annuity valuation, loan repayment, bond valuation and amortization, internal rates of return, the term structure of interest rates, asset liability management, duration and immunization. PREREQUISITE: MATH 1920.

MATH 4025 - Fin Math II/Derivatives (3)
Preparation for SOA Exam FM, CAS Exam 2. Financial risk concepts; derivatives, forwards, futures, short and long positions, call and put options, spreads, collars, hedging, arbitrage, swaps. Definitions and evaluations of basic derivatives contracts and trading strategies. PREREQUISITE: MATH 1920

MATH 4028 - Models for Fin Econ/Options (3)
Various aspects of theory and practice of options pricing and related topics: put-call

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parity, binomial trees, arbitrage, risk-neutral pricing, random walk model, lognormality and the binomial model, estimating volatility, Black-Scholes formula, option Greeks, market making, delta hedging, Asian, barrier, compound, gap and exchange options. PREREQUISITE: MATH 4025.

MATH 4030 - Model Fin Econ/Adv Pre Thry (3)

Continuation of MATH 4028; lognormal model of stock prices, distribution of asset prices, risk neutral valuation, true valuation, simulated stock prices, Monte Carlo valuation, geometric Brownian motion, Sharpe ratio, Ito's lemma, Black-Scholes equation, all-or-nothing options, measurement and behavior of volatility, bond price models, Black-Derman-Toy model. PREREQUISITE: MATH 4028.

MATH 4082 - Math/Mid School Teacher (3)

Capstone course consisting of more thorough study of fundamental concepts involving numbers, operations, functions, spatial relationships, data analysis; Excel, graphing calculators, modern software. PREREQUISITE: permission of instructor.

MATH 4083 - Dynamical Systems/Chaos (3)

Examples of dynamic systems, one dimensional maps (periodic points, stability of fixed points, sensitivity dependence on initial conditions), two dimensional maps (sinks, sources and saddles, linear and nonlinear maps, Julia and Mandelbrot sets), chaos (Lyapunov exponents, chaotic orbits, basins of attraction), fractals (probabilistic and deterministic constructions, fractals dimension), differential equations (one and higher dimensional linear equations, periodic orbits and limit sets). COREQUISITE: MATH 3120 or MATH 3242.

MATH 4084 - Introduction to Graph Theory (3)

Applications, connectivity, trees, paths and cycles, factors, matching and coverings, vertex and edge colorings, planar graphs, directed graphs, max-flow min-cut theorem, basic algorithms. PREREQUISITE: MATH 2702 or COMP 2700 with a minimum grade of C- and MATH 3221 or MATH 3581, or permission of instructor.

MATH 4085 - Combinatorial Geometry (3)

Convexity and fundamental theorems (Radon's Theorem, Helly's Theorem), geometric incidences, geometric graphs (planar graphs, proximity graphs), Pick's Theorem, distance problems in the plane, geometric transversals and covers. PREREQUISITE: One of MATH 2702, COMP 2700 with a minimum grade of C- and MATH 3221 or MATH 3581.

MATH 4086 - Analytic Number Theory (3)

Partial summation, Euler-Maclaurin summation formula, basic arithmetic functions and their mean values; Dirichlet series, Euler products; Meilin function and prime number theorem; characters and primes in arithmetic progressions, basic sieve methods. PREREQUISITE: MATH 3221. COREQUISITE: MATH 4361

MATH 4151 - History of Mathematics (3)

Development of mathematics from earliest times to present; problem studies; parallel reading and class reports. PREREQUISITE: 21 hours in MATH courses including MATH 2110 and one of MATH 2702, COMP 2700 or permission of instructor.

MATH 4171 - Special Problems in Math (1-3)

Directed individual study in selected area of mathematics chosen in consultation with instructor. Repeatable by permission of department chair. PREREQUISITE: permission of instructor.

MATH 4242 - Linear Algebra (3)

Linear transformations, polynomials, determinants, direct-sum decompositions, diagonalizable operators, rational and Jordan forms, inner product spaces, the spectral theorem. PREREQUISITE: MATH 3242.

MATH 4261 - Abstract Algebra (3)

Groups; homomorphisms; rings; integral domains; polynomials; fields. PREREQUISITE: MATH 2702 and 3242, or permission of instructor.

MATH 4350 - Intro Real Analysis I (3)

Real number system, functions and sequences, limits, continuity, differentiation; Riemann-Stieltjes integration, series of functions. PREREQUISITE: MATH 2110, 2702 and 3242.

MATH 4351 - Intro Real Analysis II (3)

Integration theory; Riemann and Lebesgue integrals; partial differentiation, implicit function theorem. PREREQUISITE: MATH 4350, or permission of instructor.

MATH 4361 - Complex Variables (3)

Complex numbers; analytic functions; Cauchy-Riemann conditions; Taylor and Laurent series; integration. PREREQUISITE: MATH 2110.

MATH 4391 - Partial Diffrentl Equation I (3)

Laplace transforms; Fourier series; introduction to partial differential equations.

PREREQUISITE: MATH 3120.

MATH 4392 - Partial Diffrentl Equation II (3)

Methods of characteristics; Green's functions; existence and regularity of solutions of boundary value; Cauchy problems. PREREQUISITE: MATH 4391.

MATH 4396 - Perturbation Methods (3)

Asymptotic approximations, boundary layers, matched asymptotic expansions, multiple scales, geometric optics approximation (WKB), homogenization, application to differential equations. PREREQUISITE: MATH 2110 and MATH 3120.

MATH 4402 - Senior Honors Seminar (3)

In-depth study of one or more topics in mathematical sciences; emphasis on individual research and problem solving techniques; student writes and presents an Honors Thesis.

PREREQUISITE: open only to senior Honors Students in mathematical sciences with permission of instructor.

MATH 4411 - Topology (3)

Introductory set theory; metric spaces; topological spaces; continuous functions; separation axioms; separability and countability axioms; connectedness and compactness. PREREQUISITE: MATH 2702 and either 3242 or 4350.

MATH 4607 - Intro SAS Programming (3)

SAS program statement syntax and flow control; selecting and summarizing observations; combining, dividing and updating SAS dataset; input tailoring and output customization; SAS built-in functions SAS Macro Language Programming and other SAS packages such as SAS/GRAPH and SAS/IML. PREREQUISITE: Introductory course in statistics.

MATH 4611 - Intro Applied Statistics (3)

Binomial, hypergeometric, Poisson, multinomial and normal distributions, test of hypotheses, chi-square test, t-test. F-test, nonparametric tests; correlation analysis. Credit earned for this course may not be applied toward requirements for the Mathematical Sciences major. Students who have a calculus background are encouraged to take MATH 4635 instead of this course. PREREQUISITE: 6 hours in mathematics at level of MATH 1710 or above (except MATH 1601).

MATH 4614 - Probability/Statistics (3)

Probability distribution; statistical methods of parameter estimation and hypothesis testing; comparisons of two population means, proportions, and variances; analysis of variance, linear models and multiple regression. Students may not receive credit for both MATH 4614 and MATH 4635. PREREQUISITE: MATH 1920 and one of MATH 2702, COMP 2700 with a minimum grade of C-.

MATH 4635 - Intro Probability Theory (3)

Basic probability theory, random variables, expectation, variance, covariance, moment generating functions; binomial, hypergeometric, Poisson, geometric, negative binomial, uniform, normal, exponential, Cauchy. chi-square, t, and F distributions; central limit theorem. functions of a random variable; bivariate, marginal, and conditional distributions. NOTE: Students may not receive credit for both MATH 4614 and MATH 4635. PREREQUISITE: MATH 1920.

MATH 4636 - Intro Statistical Theory (3)

Functions of two random variables; gamma, beta, multinomial, and bivariate normal distributions; Bayes estimators; maximum likelihood and methods of moments estimators; sufficient statistics, unbiasedness, confidence intervals, and hypothesis testing. PREREQUISITE: MATH 4335.

MATH 4637 - Intro/Stat Models/Analysis (3)

Basic concepts of statistical modeling and analysis with extensive use of R; topics include hypothesis testing, means, proportions, and variances; analysis of variance; completely randomized designs, randomized block designs, Latin square designs; multiple comparisons; simple linear model and multiple regression; analysis of covariance. PREREQUISITE: MATH 4611 or MATH 4635.

MATH 4640 - Intro Probability Models (3)

Basic concepts of discrete Markov chains; branching processes; Poisson processes; applications to modeling of population growth; applications to modeling of spread of infectious disease. PREREQUISITE: MATH 4635.

MATH 4643 - Intro Regression/Time Ser Anyl (3)

Hypothesis testing and confidence intervals for linear regression models, examination of residuals, calculation of elasticities and partial correlations, heteroscedasticity, serial correlation, multicollinearity, non-linearity, deterministic and stochastic time series

models, stationary time series and autocorrelation functions, diagnostic checks, forecasting using ARIMA models. PREREQUISITE: MATH 4636.

MATH 4721 - Numerical Analysis (3)

Derivation and application of computer-oriented, numerical methods for functional approximation, differentiation, quadrature, and solution of ordinary differential equations. PREREQUISITE: MATH 1920 and knowledge of some structured programming language.

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ARMY

(ARMY) MILITARY SCIENCE
LTC. Steven B. Sigloch, Professor of Military Science
Room 123A, Hayden Hall
<http://armyrotc.memphis.edu/>

NOTE: Leadership Laboratory provides the forum for the reinforcement of formal classroom instruction. Lab revolves around the practical application of the theories of leadership with a "hands-on" approach to learning. Provides opportunities for cadets to exercise leadership, planning, and management skills as well as covering independent topics including: rappelling, drill and ceremonies, first aid, and orienteering.

ARMY 1100 - Leadership Laboratory (1)
Two laboratory hours per week. COREQUISITE: ARMY 1110.

ARMY 1110 - Leadership/Personal Development (1)
Introduction to challenges and competences critical for effective leadership; examination of how critical thinking, goal setting, time management, and stress relate to leadership; history and mission of the Army and leadership, personal ethics, and Army values. There is no military obligation. COREQUISITE: ARMY 1100.

ARMY 1115 - Leadership Laboratory (1)
Two laboratory hours per week. COREQUISITE: ARMY 1120.

ARMY 1120 - Intro to Tactical Leadership (2)
Emphasis on personal motivation and team building in the context of planning, executing, and assessing team exercises while developing the knowledge of leadership values and attributes; learning the Army rank, structure, and duties. COREQUISITE: ARMY 1115

ARMY 2100 - Leadership Laboratory (1)
Two laboratory hours per week. COREQUISITE: ARMY 3105.

ARMY 2115 - Leadership Laboratory (1)
Two laboratory hours per week. COREQUISITE: ARMY 2145.

ARMY 2140 - Innovative Team Leadership (2)
Preparation of potential leaders in combat through study of the knowledge and skills needed by an individual soldier. Skill developed in planning and organizing by combat patrols. Course includes a series of field practical exercises.

ARMY 2145 - Foundations Tactical Leadership (2)
Advanced concepts in reconnaissance, raid, and ambush patrolling techniques, extended patrolling operations, and application techniques for specialized equipment; leadership skills through student led patrols. Includes series of field practical experiences. COREQUISITE: ARMY 2115.

ARMY 2190 - Leaders Training Course (4)
Covering a training period of approximately 30 days, the Department of Military Science ROTC Battalion provides travel to and from Fort Knox, KY. Training includes practical experience in leadership, small unit tactics, weapons drill, and communications under field conditions. No military obligation is incurred. PREREQUISITE: Permission of Professor of Military Science

ARMY 3100 - Leadership Laboratory (1)
Two laboratory hours per week. PREREQUISITE: permission of Professor of Military Science. COREQUISITE: ARMY 3111.

ARMY 3105 - American Military History (3)

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Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management (EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
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Naval Science (NAVY)
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Physics (PHYS)
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Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

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Japanese (JAPN)
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Latin (LATN)
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Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

(2105). Developments since colonial period; emphasis on background and growth of national military and naval establishments, military and naval thought, difficulties accompanying modernization and assumption of global responsibilities, and problem of relationship between civilian and military naval sectors in democracy. COREQUISITE: ARMY 2100.

ARMY 3111 - Adaptive Tactical Lead I (3)

Presentation, discussion, practical exercise, and field training on fundamentals of map reading and land navigation; development of skills in individual and small unit tactical planning and operations; professional subjects in leadership, leadership assessment, and principles of war. COREQUISITE: ARMY 3100. PREREQUISITE: permission of the Professor of Military Science.

ARMY 3115 - Advanced Leadership Laboratory (1)

Two laboratory hours per week. PREREQUISITE: permission of Professor of Military Science. COREQUISITE: ARMY 3121.

ARMY 3121 - Leadership in Changing Environ (3)

Continuation of first year advanced course. COREQUISITE: ARMY 3115. PREREQUISITE: permission of the Professor of Military Science.

ARMY 3190 - Leadership Development/Assess (4)

Practical experience in leadership, small unit tactics, U.S. Army weapon systems and equipment, and patrolling operation. Students must register for course following successful camp completion to receive credit. PREREQUISITE: permission of Professor of Military Science.

ARMY 4100 - Advanced Leadership Laboratory (1)

Two laboratory hours per week. COREQUISITE: ARMY 4111.

ARMY 4111 - Developing Adaptive Leaders (3)

Leadership and management skill development in specific areas of oral and written communications, training management, personnel evaluation and counseling, Army personnel management systems, logistic systems, military justice, and familiarization with ethics of military professional. COREQUISITE: ARMY 4100. PREREQUISITE: permission of the Professor of Military Science. COREQUISITE: ARMY 4100.

ARMY 4115 - Advanced Leadership Laboratory (1)

Two laboratory hours per week. COREQUISITE: ARMY 4121.

ARMY 4121 - Leadership in Complex World (3)

Continuation of second year of advanced course. COREQUISITE: ARMY 4115. PREREQUISITE: permission of the Professor of Military Science.

ARMY 4150 - Independent Study (3)

Independent study in Military Science. PREREQUISITE: permission of Professor of Military Science.

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Music Education (MUSE)

Music History, Literature, and

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Music Industry (MUID)

Music Theory and Composition (MUTC)

Sacred Music (MUSA)

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Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)

Health and Human Performance (EXSS)

Health and Sport Sciences (HMSE)

Health Promotion (HPRO)

Physical Education Activities (PHED)

Physical Education Teacher Education (PETE)

Sport and Leisure Commerce (SLC)

Sport and Leisure Management (SLS)

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Educational Services (EDSV)

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Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

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Biomedical Engineering (BIOM)

Civil Engineering (CIVL)

Electrical and Computer Engineering (EECE)

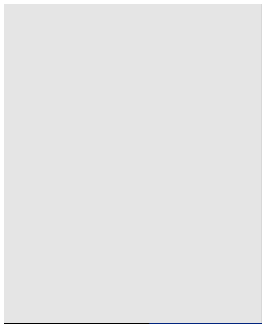
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Mechanical Engineering (MECH)

Technology (TECH)

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NAVY

(NAVY) NAVAL SCIENCE
Captain Bradley C. Mai, USN, Professor of Naval Science
Room 120A, Hayden Hall
<http://www.memphis.edu/nrotc>

NAVY 1500 - Introduction to Naval Science (3)
(1101). General introduction to the USN and USMC. Emphasizes organizational structure, warfare components, and assigned roles/missions of USN/USMC. Covers all aspects of naval service from its relative position within DoD to the specific warfare communities/career paths. Also includes basic elements of leadership and Navy Core Values. Designed to give student initial exposure to many elements of naval culture. Also provides conceptual framework/working vocabulary for student to use on summer cruise. COREQUISITE: NAVY 1510.

NAVY 1510 - Naval Leadership Laboratory (1)
(1100). Focuses on the fundamentals of leadership and general military training to help prepare prospective Naval officers for service in either the Navy or Marine Corps. Topics cover general Navy/Marine Corps mission and policies, force protection, operational security, watch standing, physical fitness, nutrition, stress management, and other professional development subjects. Consists of a general leadership lab and a specific Navy or Marine Corps lab.

NAVY 1600 - Sea Power/Maritime Affairs (3)
(1105). A study of the U.S. Navy and the influence of sea power upon history. Incorporates both a historical and political science process to explore the major events, attitudes, personalities, and circumstances that have imbued the U.S. Navy with its proud history and rich tradition. Deals with issues of national imperatives in peacetime, as well as war; varying maritime philosophies that were interpreted into naval strategies/ doctrines; budgetary concerns which shaped force realities; and the pursuit of American diplomatic objectives. Concludes with a discussion of the Navy's strategic and structural changes at the end of the Cold War and its new focus, mission, and strategy in the post-9/11 world. COREQUISITE: NAVY 1610.

NAVY 1610 - Naval Leadership Laboratory (1)
(1104). Focuses on the fundamentals of leadership and general military training to help prepare prospective Naval officers for service in either the Navy or Marine Corps. Topics cover general Navy/Marine Corps mission and policies, force protection, operational security, watch standing, physical fitness, nutrition, stress management, and other professional development subjects. Consists of a general leadership lab and a specific Navy or Marine Corps lab.

NAVY 2500 - Naval Leadership & Management (3)
(2401). Introduces the student to many of the fundamental concepts of leading Sailors and Marines, which will be expanded upon during the continuum of leadership development throughout NROTC. Develops the elements of leadership vital to the effectiveness of Navy/Marine Corps officers by reviewing the theories and parameters of leadership and management within and outside of the naval service and progressing through values development, interpersonal skills, management skills, and application theory. Practical applications are explored through the use of experiential exercises, readings, case studies, and laboratory discussions. COREQUISITE: NAVY 2510.

NAVY 2510 - Naval Leadership Laboratory (1)
(2206). Focuses on the fundamentals of leadership and general military training to help prepare prospective Naval officers for service in either the Navy or Marine Corps. Topics cover general Navy/Marine Corps mission and policies, force protection, operational security, watch standing, physical fitness, nutrition, stress management, and other professional development subjects. Consists of a general leadership lab and a specific Navy or Marine Corps lab.

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NAVY 2600 - Naval Ship Systems I/Engr (3)

(2205). Detailed study of ship design, hydrodynamic forces, stability, propulsion, electrical theory and distribution, hydraulic theory and ship control, and damage control. Included are basic concepts of theory/design of steam, gas turbine, diesel, and nuclear propulsion. Case studies on leadership/ethical issues in the engineering arena are also covered. COREQUISITE: NAVY 2610.

NAVY 2610 - Navy Leadership Laboratory (1)

(2204). Focuses on the fundamentals of leadership and general military training to help prepare prospective Naval officers for service in either the Navy or Marine Corps. Topics cover general Navy/Marine Corps mission and policies, force protection, operational security, watch standing, physical fitness, nutrition, stress management, and other professional development subjects. Consists of a general leadership lab and a specific Navy or Marine Corps lab.

NAVY 3000 - Naval Science Institute (8)

Intensive six-week professional academic and training program conducted each summer at a Naval installation by the Chief of Naval Education and Training for students entering the two-year NROTC Programs. The Naval Science Institute is the equivalent of the NROTC Basic Course.

NAVY 3500 - Navigation (3)

(3301). In-depth study of the theory, principles, procedures, and application of plotting, piloting, and electronic navigation, as well as an introduction to maneuvering boards. Students learn piloting techniques, the use of charts, the use of visual and electronic aids, and the theory of operation of both magnetic and gyrocompasses. Students develop practical skills in plotting and electronic navigation. Other topics include tides, currents, effects of wind/weather, voyage planning, and an application and introduction to the international/inland rules of navigation. The course is supplemented with a review/analysis of case studies involving moral/ethical/leadership issues pertaining to the concepts listed above. COREQUISITE: NAVY 3510.

NAVY 3510 - Naval Leadership Laboratory (1)

Focuses on the fundamentals of leadership and general military training to help prepare prospective Naval officers for service in either the Navy or Marine Corps. Topics cover general Navy/Marine Corps mission and policies, force protection, operational security, watch standing, physical fitness, nutrition, stress management, and other professional development subjects. Consists of a general leadership lab and a specific Navy or Marine Corps lab.

NAVY 3520 - Evolution of Warfare (3)

(3310). Traces the development of warfare to the present day. This course is designed to cover the causes of continuity and change in the means and methods of warfare. It addresses the influence of political, economic, and societal factors on the conduct of war, with significant attention focused on the role of technological innovation in changing the battlefield. Students will explore the contribution of preeminent military theorists and battlefield commanders to our modern understanding of the art and science of war. COREQUISITE: NAVY 3510.

NAVY 3600 - Naval Operations & Seamanship (3)

(3302). A continued study of relative motion, formation tactics, and ship employment. Also included are introductions to naval operations and operations analysis, ship behavior and characteristics in maneuvering, applied aspects of ship handling, afloat communications, naval command and control, naval warfare areas, and joint warfare. The course is supplemented with a review/analysis of case studies involving moral/ethical/leadership issues pertaining to the concepts listed above. COREQUISITE: NAVY 3610.

NAVY 3610 - Naval Leadership Laboratory (1)

Focuses on the fundamentals of leadership and general military training to help prepare prospective Naval officers for service in either the Navy or Marine Corps. Topics cover general Navy/Marine Corps mission and policies, force protection, operational security, watch standing, physical fitness, nutrition, stress management, and other professional development subjects. Consists of a general leadership lab and a specific Navy or Marine Corps lab.

NAVY 3620 - Officer Candidate School Prep (3)

Designed to prepare students for success at USMC Officer Candidate School (OCS). Emphasis is placed on leadership skills, basic infantry tactics, and general subjects, including Marine Corps organization, history, customs and courtesies, and traditions. Practical application of skills such as land navigation and issuing combat orders is a central feature. PREREQUISITE: NAVY 3520 or 4520.

NAVY 4500 - Naval Ship Systems II/Weapons (3)**Finance (FIR)**

Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

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Music Theory and Composition (MUTC)
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Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
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Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
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Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

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Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

(4207). Outlines the theory and employment of weapons systems. Student explores the processes of detection, evaluation, threat analysis, weapon selection, delivery, guidance, and explosives. Fire control systems and major weapons types are discussed, including capabilities and limitations. The physical aspects of radar and underwater sound are described. Facets of command, control, communications, computers, and intelligence are explored as a means of weapons system integration. The tactical and strategic significance of command and control warfare and information warfare is discussed. This course is supplemented with review/ analysis of case studies involving the moral and ethical responsibilities of leaders in the employment of weapons. COREQUISITE: NAVY 4510.

NAVY 4510 - Naval Leadership Laboratory (1)

Focuses on the fundamentals of leadership and general military training to help prepare prospective Naval officers for service in either the Navy or Marine Corps. Topics cover general Navy/Marine Corps mission and policies, force protection, operational security, watch standing, physical fitness, nutrition, stress management, and other professional development subjects. Consists of a general leadership lab and a specific Navy or Marine Corps lab.

NAVY 4520 - Amphibious Warfare (3)

(4410). Introduces students to the fundamental terms, concepts, and theories of general warfare and amphibious warfare. These terms, concepts, and theories will be applied through a historical analysis of amphibious operations, identifying the evolution of amphibious doctrine, tactics, and technology. Focuses on the evolution of the U.S. Marine Corps into a specialized amphibious force, with particular attention devoted to the structure and capabilities of the present day U.S. Marine Corps as a forward deployed and rapid deployment force and the development of Expeditionary Maneuver Warfare concepts. COREQUISITE: NAVY 4510.

NAVY 4600 - Naval Leadership and Ethics (3)

(4402). Completes the final preparations of Ensigns and 2nd Lieutenants. The course integrates and intellectual exploration of Western moral traditions and ethical philosophy with a variety of topics, such as military leadership, core values, and professional ethics; the UCMJ and Navy regulations; and discussions relating to the roles of enlisted members, junior and senior officers, command relationships, and the conduct of warfare. The course provides midshipmen with a foundation of moral traditions, combined with a discussion of actual current and historical events in the United States Navy and Marine Corps, to prepare them for the role and responsibilities of leadership in the naval service of the 21st century. COREQUISITE: NAVY 4610.

NAVY 4610 - Naval Leadership Laboratory (1)

Focuses on the fundamentals of leadership and general military training to help prepare prospective Naval officers for service in either the Navy or Marine Corps. Topics cover general Navy/Marine Corps mission and policies, force protection, operational security, watch standing, physical fitness, nutrition, stress management, and other professional development subjects. Consists of a general leadership lab and a specific Navy or Marine Corps lab.

NAVY 4710 - Naval Leadership Lab/5th Year (1)

Focuses on the fundamentals of leadership and general military training to help prepare prospective Naval officers for service in either the Navy or Marine Corps. Topics cover general Navy/Marine Corps mission and policies, force protection, operational security, watch standing, physical fitness, nutrition, stress management, and other professional development subjects. Consists of a general leadership lab and a specific Navy or Marine Corps lab.

*Navy Laboratory. Focuses on the requisite moral, leadership and physical qualities for becoming a commissioned officer.

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PHIL

(PHIL) PHILOSOPHY
Deborah Tollefsen, Ph.D., Chair
Room 327, Clement Hall
<http://philosophy.memphis.edu/>

In addition to the courses below, the department may offer the following Special Topics courses:

PHIL 4801-20. Special Topics In Philosophy. (3). Epistemology, metaphysics, philosophy of language, philosophy of mind, logical theory, and axiology. Area to be covered appears in the online class listings the semester it is taught. May be repeated for maximum of 15 hours credit without changing an earlier grade if different areas are treated. PREREQUISITE: two courses in philosophy or permission of instructor.

PHIL 1101 - Fundamental Issues/Philosophy (3)

Introduction to critical exploration of such issues as knowledge, reality, consciousness and the good life; readings from Plato, Descartes, Kant, Nietzsche, or more recent sources. [G]

PHIL 1102 - Values in Modern World (3)

Introduction to such social and ethical questions as, "What makes a happy life? What justifies ideas of good and evil? How should we live with others? What is the role of science, religion, sex, and race in society?"[G]

PHIL 1611 - Elementary Logic (3)

Formal and informal reasoning emphasizing logic as practical method for problem solving. PREREQUISITE: two units of high school algebra or one unit algebra and one unit geometry.

PHIL 3001 - Foun West Phil/Classicl Period (3)

History of philosophy from 7th century B.C. through early Middle Ages structured around major themes that shaped classical period, attention to cultural and historical settings in which they arose and to which they contributed; readings from philosophical and nonphilosophical sources. Offered Fall only. PREREQUISITE: PHIL 1101 or 1102, or permission of instructor.

PHIL 3002 - Foun West Phil/Modern Period (3)

History of philosophy from late Middle Ages through 19th century structured around major themes that shaped the modern period; attention to cultural and historical setting in which they arose and to which they contributed; readings from philosophical and nonphilosophical sources. NOTE: while this is a continuation of PHIL 3001, it may be taken separately. Offered Spring only. PREREQUISITE: PHIL 1101 or 1102, or permission of instructor.

PHIL 3411 - Contemporary Moral Problems (3)

Such important contemporary moral issues as pornography and obscenity, capital punishment, abortion, human rights, "reverse discrimination," and civil disobedience; underlying philosophical ideas for each issue considered and discussed.

PHIL 3451 - Existentialism (3)

Historical and comparative study of different existentialist writers and their relation to literature, religion, and psychology; readings from such writers as Kierkegaard, Nietzsche, Jaspers, Heidegger, Sartre, and Camus.

PHIL 3452 - Feminist Theory (3)

Selected ideas from the history on women from the Greeks to the present; developing methods and ideologies within contemporary theoretical approaches to feminist studies; diversity, equality and difference discussed by drawing on different epistemologies, such as existentialism and post-structuralism.

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Earth Sciences (ESCI)
English (ENGL)
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Environmental Studies (ENVR)
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History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

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Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
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Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

PHIL 3453 - 19th/20th Century Continental (3)

Introduction to key figures and movements in 19th and 20th century continental philosophy; phenomenology, hermeneutics, critical theory, deconstruction, poststructuralism, and feminism. PREREQUISITE: PHIL 1101, or PHIL 1102, or PHIL 3451, or permission of instructor.

PHIL 3460 - Nature/Mind/Knowledge (3)

The nature of mind, free will vs. determinism, personal identity and immortality, and the nature and possibility of knowledge.

PHIL 3511 - Ethics (3)

Critical analysis of classical ethical theories and their application to problems of individual and society. PREREQUISITE: PHIL 1101 or 1102, or permission of instructor.

PHIL 3512 - Science/Technology/Human Values (3)

Ethical problems growing out of development of modern science and technology; of such issues as relation of science to society, dehumanization of individual, impact of technology on environment, and modern warfare. Specific content of course varies each semester.

PHIL 3514 - Biomedical Ethics (3)

Discussion of ethical problems raised by contemporary medical practices and biological innovations from standpoint of contemporary ethical theories including abortion, euthanasia, behavior modification, human experimentation and genetic engineering.

PHIL 3515 - Environmental Ethics (3)

Discussion of ethical problems raised by human interaction with the environment; consideration of such questions as to what kind of entities one can have a duty. Specific issues may include the moral standing of future and possible humans, nonhuman animals, species and ecosystems. PREREQUISITE: PHIL 1101 or 1102 recommended.

PHIL 3516 - Philosophy of Law (3)

Philosophical analyses of nature and justification of law, legal reasoning, legal institutions, practices such as punishment.

PHIL 3571 - Business Ethics and Society (3)

Examination of ethical issues that arise in interactions between business and society; ethical theory, economic justice, corporate responsibility, and employee rights and obligations. PREREQUISITE: introductory course in Philosophy is highly recommended.

PHIL 3611 - Critical Thinking (3)

Evaluative examination of reasons that may be given for beliefs; reliability of sources such as eye witness accounts, appeals to authority, new media and internet sites, differences between arguments and explanations, deductive and inductive reasoning, logical fallacies, formulation and testing of hypotheses, reasoning to best explanation, and science versus pseudoscience. PREREQUISITE: PHIL 1611 highly recommended.

PHIL 3621 - Intermediate Logic (3)

Symbolic logic, including propositional calculus, lower functional calculus, and related topics. PREREQUISITE: PHIL 1611, or permission of instructor.

PHIL 3701 - Human and the Divine (3)

Examination of one or more major religious movements with regard to their origins, doctrines, and philosophical significance; contrasting conceptions of deity, worship, and role of religion in how we think about ourselves and our roles in society.

PHIL 3702 - Philosophy of Religion (3)

Selected religious doctrines and practices from standpoint of philosophy. Topics vary from semester to semester. Sequel to PHIL 3701, but may be taken independently.

PHIL 3721 - Chinese Philosophy (3)

Introduction to Chinese philosophy; readings from primary source of Confucianism, Taoism, and Buddhism, supplemented by commentary from contemporary scholarship.

PHIL 3741 - African American Philosophy (3)

Philosophical investigation of social and political themes which have developed historically in African American culture such as theories of social elevation, civil disobedience, race and racism, and black feminism.

PHIL 3771 - Philosophy in Literature (3)

Expression of philosophical ideas in literature; readings from philosophers, playwrights, novelists and poets.

PHIL 3772 - Critical Theory (3)

Exploration of various social and political writings concerning the nature of human

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Health and Human Performance (EXSS)
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Health Promotion (HPRO)
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Physical Education Teacher Education (PETE)
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Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

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Loewenberg School of Nursing

Nursing (NURS)

agency, intersubjectivity, communication, democratic procedure and practice, developed during the Enlightenment period and in the philosophies of Kant, Hegel, and Marx, and that were advanced in the 20th century writings of the Frankfurt School of Social Criticism.

PHIL 3781 - Philosophy and Film (3)

An examination of some basic philosophical problems, integrating philosophical readings with films which illustrate positions that have been taken regarding the problems; enhance understanding and appreciation of both the philosophical problems and the films. PREREQUISITE: PHIL 1101 or 1102 recommended.

PHIL 3880 - Problems in Philosophy (3)

An intensive study of selected philosophical problems. May be repeated for a maximum of 6 hours credit. PREREQUISITE: PHIL 1101 or 1102, or permission of instructor.

PHIL 4211 - Ancient Philosophy (3)

Readings from primary sources, supplemented by commentary from antiquity and modern scholarship, including Pre-Socratics, Plato, Aristotle, and Hellenistic period. May be repeated for a maximum of 9 hours credit with permission of the Departmental Undergraduate Advisor. PREREQUISITE: PHIL 3001 or permission of instructor.

PHIL 4311 - Modern Philosophy (3)

Readings from major philosophers of 17th to early 19th centuries, supplemented by commentaries from modern and contemporary sources. May be repeated for a maximum of 9 hours credit with permission of the Departmental Undergraduate Advisor. PREREQUISITE: PHIL 3002 or permission of instructor.

PHIL 4421 - Philosophy of Mind (3)

Major issues and positions in recent philosophy of mind; behaviorism; reductive, non-reductive, and eliminative versions of materialism; functionalism; mental causation; phenomenal consciousness; psychoanalysis and the unconscious; computational and connectionist models of mind. PREREQUISITE: PHIL 1101, 1102, or 1611, or permission of instructor.

PHIL 4422 - Recent Anglo American Phil (3)

Major developments in philosophy in England and United States from 1900 to present, reading from such philosophers as Russell, Moore, Ayer, Wittgenstein, James, Dewey, Lewis, Quine and other contemporary authors. PREREQUISITE: PHIL 3002 or 4311 or permission of instructor.

PHIL 4441 - Recent Continental Philosophy (3)

Major figures in 20th Century European thought; phenomenology, existentialism, structuralism, critical theory, and hermeneutics. May be repeated for a maximum of 9 hours credit with permission of the Departmental Undergraduate Advisor.

PHIL 4551 - Social and Political Phil (3)

(3551). Major philosophical theories of man and the state; emphasis on concepts of society, culture, institutions, government, law, power, authority, rights, and obligation. Selected readings. PREREQUISITE: PHIL 1101 or 1102, or permission of instructor.

PHIL 4632 - Advanced Logic (3)

Nature of axiomatic systems, techniques of formalization, and logical foundations of mathematics. PREREQUISITE: PHIL 3621, or permission of instructor.

PHIL 4661 - Philosophy of Science (3)

Basic features and presuppositions of science; nature of scientific method, theories, explanation, and verification; emphasis on the natural sciences. PREREQUISITE: PHIL 1611, or permission of instructor.

PHIL 4671 - Aesthetics (3)

Introduction to philosophical theories and assumptions concerning nature and role of art and possibility of aesthetic evaluation.

PHIL 4805 - Philosophy of Food (3)

Ethical and sociopolitical issues with respect to production, distribution, preparation, and consumption of food.

PHIL 4891 - Senior Honors Thesis (3)

Directed reading and research culminating in a Senior Thesis. Thesis topic to be selected by student with approval of thesis director before semester student intends to take course. Open only to senior honors students in philosophy. May be repeated in successive semesters for up to 6 hours credit.

PHIL 4994 - Reading and Research (1-3)

Individual directed study in area of special interest. May be repeated in successive semesters for up to 6 hours credit.

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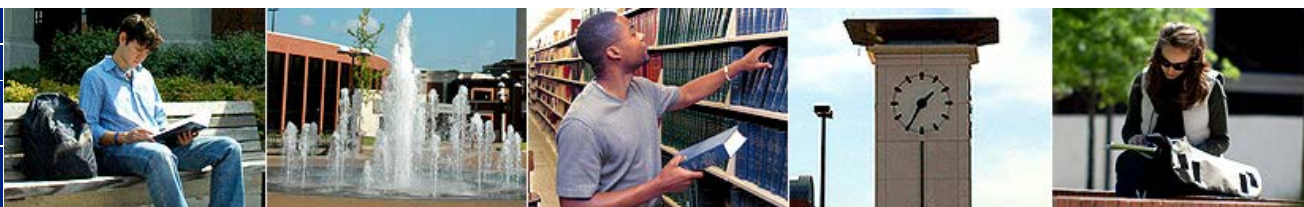
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(PHYS) PHYSICS
Shah Jahan, Ph.D., Chair
Room 216, Manning Hall
<http://physics.memphis.edu>

Additional fees are charged for some Physics lecture and laboratory courses. See the online class listings or the Expenses section of the Catalog.

In addition to the courses below, the department may offer the following Special Topics courses:

PHYS 4000-09. Special Topics in Physics. (3). Selected topics of current interest in physics not otherwise included in the curriculum. Three lecture hours or equivalent laboratory hours per week. PREREQUISITE: permission of instructor.

PHYS 1001 - Introductory Physics Lab (1)

Laboratory experiments and techniques to accompany PHYS 1010. Two laboratory hours per week. PREREQUISITE or COREQUISITE: PHYS 1010. [G]

PHYS 1002 - Astronomy Laboratory (1)

Laboratory experiments and techniques to accompany PHYS 1020. Two laboratory hours per week. PREREQUISITE or COREQUISITE: PHYS 1020. [G]

PHYS 1010 - Introductory Physics (3)

Phenomenological introduction to physics for non-technical students, providing an understanding of natural laws of motion, structure of matter, heat, sound, electromagnetics, light, atomic and nuclear physics. PHYS 1001 must be taken concurrently to satisfy the General Education Program requirement. Three lecture hours per week. [G]

PHYS 1020 - Survey of Astronomy (3)

Motions of earth and moon; apparent motion of stars and planets; orbits and properties of bodies in the solar system; stellar distances, properties, and evolution; our galaxy and others. NOTE: PHYS 1002 must be taken concurrently to satisfy the General Education Program requirement. Three lecture hours per week. [G]

PHYS 2010 - General Physics I/Trig (3-4)

Mechanics, heat, and sound. This course is recommended for students in pre-medical programs. NOTE: For first-time enrollees, PHYS 2011 must be taken concurrently. Three lecture hours per week. PREREQUISITE: MATH 1720 or equivalent.

PHYS 2011 - General Physics Lab I (1)

Laboratory experiments and techniques to accompany PHYS 2110. Two laboratory hours per week. PREREQUISITE or COREQUISITE: PHYS 2010.

PHYS 2020 - General Physics II/Trig (3-4)

Continuation of PHYS 2010. Magnetism, electricity, light, and modern physics. Recommended for students in pre-medical programs. NOTE: for first-time enrollees, PHYS 2021 must be taken concurrently. Three lecture hours per week. PREREQUISITE: PHYS 2010.

PHYS 2021 - Gen Physics Lab II (1)

Laboratory experiments and techniques to accompany 2020. Two laboratory hours per week. PREREQUISITE or COREQUISITE: PHYS 2020.

PHYS 2110 - Sci/Engr Phys I/Calc (3-4)

Principles of mechanics using methods of calculus; kinematics, Newton's laws of motion, work, kinetic and potential energies, momentum and collisions, rotational motion, fluid mechanics. NOTE: For first-time enrollees, PHYS 2111 must be taken concurrently. Three

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Fogelman College of Business and Economics

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lecture hours per week. PREREQUISITE or COREQUISITE: MATH 1910. [G]

PHYS 2111 - Sci/Engr Phys Lab I (1)

Laboratory experiments and techniques to accompany PHYS 2110. Two laboratory hours per week. PREREQUISITE or COREQUISITE: PHYS 2110. [G]

PHYS 2120 - Sci/Engr Phys II/Calc (3-4)

Continuation of PHYS 2110. Principles of electromagnetism using methods of calculus; Gauss's Law, current, resistance, capacitance, Faraday's Law, inductance, geometric optics. NOTE: for first-time enrollees, PHYS 2121 must be taken concurrently. Three lecture hours per week. PREREQUISITE: PHYS 2110. COREQUISITE: MATH 1920. The Physics Department recommends that students take MATH 1920 before PHYS 2120. [G]

PHYS 2121 - Sci/Engr Phys Lab II (1)

Laboratory experiments and techniques to accompany PHYS 2120. Two laboratory hours per week. PREREQUISITE or COREQUISITE: PHYS 2120. [G]

PHYS 3010 - Intro Modern Physics (3)

Special relativity; experimental origin of quantum theory; atomic structure and spectral lines; matter-wave duality; Schrodinger equation; particle in a rigid box; electron spin; structure of atomic nuclei; radioactivity and nuclear reactions. Three lecture hours per week. PREREQUISITE: PHYS 2120. COREQUISITE: MATH 2110.

PHYS 3011 - Methods of Theoretical Phys I (3)

Infinite series, complex variables, linear algebra, vector analysis, Fourier series, and calculus of variations. Three lecture hours per week. COREQUISITE: MATH 2120.

PHYS 3012 - Methods of Theoretical Phys II (3)

Continuation of PHYS 3011 covering integral transforms, tensors, group theory, special function and probability theory. Three lecture hours per week. PREREQUISITE: PHYS 3011.

PHYS 3111 - Mechanics I (3)

Newtonian mechanics, harmonic motion, gravitation, fluid mechanics, Lagrangian and Hamiltonian mechanics, rigid body dynamics. PREREQUISITE: PHYS 2120, PHYS 3011, and MATH 3120.

PHYS 3211 - Electricity/Magnetism I (3)

Electric fields and potentials, capacitance, dielectric materials, magnetic fields, magnetic properties of materials, electromagnetic induction, inductance, Maxwell's equations, and electromagnetic waves. PREREQUISITE: PHYS 2120, PHYS 3011, and MATH 3120.

PHYS 3610 - Research Experience/PHYS I (1)

Undergraduate research in experimental, theoretical or computational physics under supervision of physics faculty member. Students are expected to give short oral presentations and written reports at the end of the semester. Three laboratory hours per week. PREREQUISITE: PHYS 2120.

PHYS 3611 - Research Experience in PHYS II (1)

Continuation of PHYS 3610. Students are expected to give short oral presentations and written reports at the end of the semester. Three laboratory hours per week. PREREQUISITE: PHYS 3610.

PHYS 4020 - Soft Matter/Biological Physics (3)

Random walks, diffusion, entropic forces, colloidal suspensions, polymers, self-assemblies, lipid membranes, transitions in biomolecules, molecular machines in biomembranes. PREREQUISITE: PHYS 2120 and CHEM 1120.

PHYS 4021 - Applied Radiation Physics (3)

Applied radiation and radioactivity; types of radiation, radiation measurement interaction with matter, and biological effects; radiation safety aspects emphasized. Three lecture hours per week. PREREQUISITE: PHYS 2120 or PHYS 2020 and MATH 1910.

PHYS 4040 - Medical Physics (3)

Physics of sensory, respiratory, and circulatory systems; physical basis of radiology and nuclear medicine. Three lecture hours per week. PREREQUISITE: PHYS 2120 or both PHYS 2020 and MATH 1910.

PHYS 4050 - Astrophysics I (3)

(3051). Principles of physics applied to the solar system, stars, light, telescopes. Recommended for science and engineering majors interested in astronomy. Three lecture hours per week. PREREQUISITE: PHYS 2120 or both PHYS 2020 and MATH 1910.

PHYS 4051 - Astrophysics II (3)

Principles of physics applied to star birth and death, black holes, neutron stars,

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galaxies, quasars, beginning and evolution of the universe. Three lecture hours per week. PREREQUISITE: PHYS 4050.

PHYS 4060 - Adv Physics Methodology (3)

Students will perform advanced fundamental experiments in physics which will focus on the underlying physical principles, the scientific methodology of experimental research and detailed error analysis. PREREQUISITE: PHYS 3010.

PHYS 4110 - Nuclear Physics (3)

Properties of atomic nuclei, radioactive transitions, alpha, beta, and gamma decay; binding energy, nuclear forces and nuclear models. Three lecture hours per week. PREREQUISITE: PHYS 3010.

PHYS 4112 - Mechanics II (3)

(3112). Continuation of PHYS 3111. Three lecture hours per week. PREREQUISITE: PHYS 3111.

PHYS 4211 - Waves and Optics (3)

Mathematical description of vibrations and waves with application to sound and electromagnetic waves; geometrical optics; interference and diffraction; holography; introduction to laser physics and photonics. PREREQUISITE: PHYS 2120 and PHYS 3011.

PHYS 4212 - Electric/Magnetism II (3)

(3212). Continuation of PHYS 3211. Three lecture hours per week. PREREQUISITE: PHYS 3211.

PHYS 4222 - Environmental Physics (3)

(3410). Application of gas laws, transport laws, and heat transfer in environmental processes; environmental radiation (solar and terrestrial), energy system of atmosphere and hydrosphere, and energy resources and their impact upon environment. Three lecture hours per week. PREREQUISITE: PHYS 2020 or 2120.

PHYS 4230 - Electronics (4)

(3510). Theory and application of electronic devices; emphasis on scientific instrumentation. Laboratory oriented course including basic semiconductors, integrated circuits, and microprocessors. Three lecture hours, three laboratory hours per week. PREREQUISITE: PHYS 2120 .

PHYS 4410 - Intro Quantum Theory (3)

Historical background of quantum theory, mathematical formalism of quantum mechanics, solutions of Schroedinger equation for bound and scattering states, wave packets, harmonic oscillator, angular momentum and selected applications in atomic, molecular and optical physics. PREREQUISITE: PHYS 3010, PHYS 3011, and PHYS 3211.

PHYS 4510 - Thermal and Statistical Phys (3)

Introduction to thermodynamics and statistical mechanics, includes topics such as temperature, work, heat, entropy, thermodynamic potentials, ideal gases, phase transitions, classical and quantum ensembles, and partition functions. PREREQUISITE: PHYS 2120 and PHYS 3011.

PHYS 4610 - Solid State Physics (3)

Crystal structures, crystal bonding, x-ray diffraction, lattice vibrations and phonons, free and nearly-free electron models, energy bands of insulators, metals, and semiconductors. PREREQUISITE: PHYS 4410

PHYS 4720 - Materials Physics (3)

Basic concepts in materials science emphasizing relationships between microscopic structure and properties; crystallography and symmetries, thermodynamics of material, phase equilibria, structure of ceramics and polymers, mechanical properties of material, kinetics of phase transformations in materials. PREREQUISITE: PHYS 3010. Open only to students in the Materials Science concentration within the Physics major.

PHYS 4820 - Materials Physics Lab (3)

Synthesis of various materials and characterizations of their structure and properties using a variety of experimental tools; relationships between structure of materials and their properties are emphasized. PREREQUISITE: PHYS 3010. Open only to students in the Materials Science concentration with the Physics major.

PHYS 4910 - Seminar (1)

Students enrolled in this course are required to attend all weekly seminars in the Physics Department, and submit weekly short reports on the seminars attended. Open only to Physics majors. May be repeated for a maximum of 2 credit hours.

PHYS 4911 - Senior Honors Seminar (1)

Special projects, reports and investigation of current literature and research. The student will give a seminar presentation based on the original honors research work

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completed in PHYS 4991/4992. Open only to senior honors students in physics.
COREQUISITE: PHYS 4992.

PHYS 4914 - Research Methods/Tigers Teach (3)

Fundamental notions of scientific inquiry for students who might be teaching secondary science or mathematics. NOTE: students may not receive credit for more than one of BIOL 4914, CHEM 4914, or PHYS 4914. PREREQUISITE: PHYS 2110, 2111, 2120, and 2121. Enrollment restricted to students in the Tigers Teach program.

PHYS 4990 - Research in Physics (1-4)

Original experimental, theoretical, or computational research work under the supervision of a faculty member. Students are expected to complete a prospectus in collaboration with a faculty member before enrolling in the course. Students are expected to give short oral presentations and written reports at the end of the course. Two to eight laboratory hours per week. PREREQUISITE: PHYS 3010 and permission of instructor.

PHYS 4991 - Honors Research/Phys I (3)

Original scholarly work in physics under the direction of honors research advisor. This work is the continuation of research begun in PHYS 3610/3611. Ten laboratory or equivalent hours per week. Open only to honors students in physics. PREREQUISITE: PHYS 3611, and permission of instructor.

PHYS 4992 - Honors Research/Phys II (3)

Completion of original scholarly work under the direction of honors research advisor. Ten laboratory or equivalent hours per week. Open only to honors students in physics. PREREQUISITE: PHYS 4991, and permission of instructor.

PHYS 4994 - Research in Materials Physics (3)

Original experimental, computational or theoretical research under supervision of faculty member engaged in materials physics research. Eight laboratory hours per week. Students are expected to give short oral presentations and written reports at the end of the course. Open only to students in Materials Science concentration within the Physics major. PREREQUISITE: PHYS 3010 and permission of instructor.

PHYS 4999 - Senior Honors Thesis (1)

Directed reading and background research culminating in a senior thesis based on original research completed in PHYS 4991/4992. Open only to honors students in physics. COREQUISITE: PHYS 4992.

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In addition to the courses below, the department may offer the following Special Topics courses:

POLS 3700-09. Special Topics in Contemporary Politics. (3). Topics of contemporary significance in politics.

POLS 4710-19. Special Topics in Political Science. (1-3). Intensive study of selected topics in political science.

POLS 1030 - American Government (3)

(1100). Development, structure, and processes of American system of government, including framing principles of U.S. Constitution and Bill of Rights; structure and roles of President, Congress, and Supreme Court, and citizen participation in governing. [G]

POLS 1101 - Intro Ancient Political Thgt (3)

Inquiry into fundamental questions of ancient political thought, such as: Who should rule? What is justice? What is a good political order? What are the duties of citizens? What is the foundation of morality? [G]

POLS 1102 - Intro Modern Political Thought (3)

Inquiry into fundamental questions of modern political thought, such as origin of political society, proper rights of citizens, legitimate purposes of government, meaning of justice and good society. [G]

POLS 1301 - Intro to Comparative Politics (3)

(2301). Comparison of institutions, issues, processes and policies in a variety of political systems ranging from European to Asian or African countries. [G]

POLS 1501 - International Relations (3)

(2501). Consideration of all major forms of political interaction (conflict competition, and cooperation) between and among global actors in world arena. [G]

POLS 3102 - Religion and Politics (3)

Survey of role of religion and religious belief in politics; emphasizes role of religious institutions in international arena and national politics and effects of religion on behavior and political beliefs. PREREQUISITE: POLS 1030, or 1101, or 1102, or permission of instructor.

POLS 3211 - State/Local Government (3)

Role of state governments in Federal System, political institutions, elections; organization, functions, and problems of state government; emphasis on Tennessee government. PREREQUISITE: POLS 1030, or permission of instructor.

POLS 3213 - Intro to Public Policy (3)

Public policy formulation process and some of the major substantive areas of policy concern in America; emphasis on framework for identifying and analyzing substance of public problems, policy making and policy administration. PREREQUISITE: POLS 1030, or permission of instructor.

POLS 3215 - Interest Groups/Amer Politics (3)

Role and impact of interest groups within American political system, including group theory, tactics, and group relationships with various governmental institutions. PREREQUISITE: POLS 1030, or permission of instructor.

POLS 3216 - Political Parties/Elections (3)

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
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Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
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History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

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Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

Political parties and elections in the American political system; emphasis on party organization and activities, campaign strategies and techniques, voting behavior, and two-party system. PREREQUISITE: POLS 1030, or permission of instructor.

POLS 3217 - The Political Media (3)

Interactions between the political world and the commercial media, emphasizing the variety of methods used by political elites to influence political perceptions. PREREQUISITE: POLS 1030, or permission of instructor.

POLS 3218 - The American Presidency (3)

(4219). Contemporary American presidency; Constitutional roots for growth of presidential power; roles of persuasion, reputation, and prestige in shaping foreign and domestic policy; presidential elections; conflicts between executive, legislative, and judicial branches. PREREQUISITE: POLS 1030, or permission of instructor.

POLS 3219 - Judicial Process (3)

Judicial selection, civil and criminal trial procedure, organization of state and federal courts, U.S. Supreme Court decision making process; issues surrounding judicial review. PREREQUISITE: POLS 1030, or permission of instructor.

POLS 3220 - U. S. Congress (3)

Origins, organization, functions, and activities of the U.S. Congress. PREREQUISITE: POLS 1030, or permission of instructor.

POLS 3221 - Public Opinion (3)

Exploration of political attitudes and behavior; examination of such topics as sources of political knowledge; how political attitudes are formed and changed; how public opinion is measured; why people vote the way they do.

POLS 3302 - West Europe Govt/Politics (3)

Comparative study of selected political systems of Western European States. PREREQUISITE: POLS 1301.

POLS 3306 - Latin American Govt/Politics (3)

Forms of organization, functions and operations of government in Latin America; emphasis on development of political institutions and present day trends. PREREQUISITE: POLS 1301.

POLS 3309 - Govt/Politics of Mid East (3)

Analysis of organization and functions of governments in area dominated by tenets of Islam; examination of origin and development of Arab-Israeli conflict. PREREQUISITE: POLS 1301.

POLS 3310 - Politics/Developed World (3)

Analysis of politics in countries of the developed world; emphasis on historical patterns of state development, structures and institutions; patterns of political participation and policy making.

POLS 3320 - Human Rights/World Politics (3)

History and conceptual underpinnings of modern concept of human rights; human rights in international law; political, economic, and other factors affecting extent to which governments meet their human rights legal obligations; actual human rights practices and conditions in countries; specific challenges of evidence-based human rights research.

POLS 3325 - Politics/Developing World (3)

Exploration of politics of regions and countries typically labeled as "developing"; democratization, corruption, role of military in politics, debt, poverty, conflict, globalization, activities of non-governmental organizations.

POLS 3330 - Politics/Globalization (3)

Analysis of major theories and political implications of globalization; order and disorder in global system; policy-making and governance in globalizing system.

POLS 3340 - Power/Politics/State (3)

Examination of major conceptual traditions in analysis of the state.

POLS 3401 - Legal/Pol Thght Classical (3)

Question of justice and its relation to law and politics; emphasizes confrontation between classical and modern views. PREREQUISITE: PHIL 1101, or PHIL 1102, or POLS 1101, or POLS 1102, or permission of instructor.

POLS 3402 - Legal/Political Thght Modern (3)

Question of justice and its relation to law and politics; emphasizes confrontation between early and recent modernity. PREREQUISITE: PHIL 1101, or PHIL 1102, or POLS 1101, or POLS 1102, or permission of instructor.

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Reading (RDNG)

Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)

Civil Engineering (CIVL)

Electrical and Computer Engineering (EECE)

Engineering (ENGR)

Mechanical Engineering (MECH)

Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

POLS 3405 - Intro Law/Jurisprudence (3)

Sources, functions, and processes of law. PREREQUISITE: PHIL 1101, or PHIL 1102, or POLS 1101, or POLS 1102, or permission of instructor.

POLS 3410 - Contemporary Political Thought (3)

Study of political thought in 20th and 21st centuries.

POLS 3415 - Feminist Political Theory (3)

Fundamental questions, concepts, schools of thought within contemporary feminist political thought.

POLS 3505 - International Organizations (3)

Theories and concepts of organization of international policy focused on the institutions, both formal and informal, through which much international interaction occurs. PREREQUISITE: POLS 1501, or permission of instructor.

POLS 3506 - American Foreign Policy (3)

Domestic sources, implementation, and content of U.S. foreign policy. PREREQUISITE: POLS 1030 or 1501.

POLS 3509 - Contemporary Problems in International Relations (3)

Studies or problems in area of world politics. May be repeated for credit once, with change of content. PREREQUISITE: POLS 1501, or permission of instructor.

POLS 4101 - Political Statistics (3)

(Same as PADM 4101). Introduction to analysis of quantitative data, and statistical hypothesis testing in the fields of political science and public and health administration.

POLS 4200 - Environmental Law/Policy/Regulation (3)

Survey of the principal federal laws, policies and regulations concerning environmental use and protection.

POLS 4211 - Constitutional Law/National Powers (3)

Relationships and controls of three branches and nature of division of power between nation and states; emphasis on role of Supreme Court as arbiter in constitutional system. PREREQUISITE: POLS 1030, or permission of instructor.

POLS 4212 - Constitutional Law Civil Liberties (3)

Background, role, and legitimate extent of civil rights and liberties in the United States. PREREQUISITE: POLS 1030, or permission of instructor. [G]

POLS 4222 - Urban Politics (3)

Roles and processes of politics and governance in urban America in context of global, social; economic influences on cities and suburbs.

POLS 4223 - Issues in Urban Politics (3)

Selected issues in urban politics and policy.

POLS 4230 - Legislative Internship (3-12)

Supervised internship working with Tennessee General Assembly or other legislative bodies on current legislative programs. Seminar sessions to discuss and analyze problems with which interns are working. May be repeated for total of 12 credits. (S/U) PREREQUISITE: permission of department.

POLS 4231 - Administrative Internship (3-12)

(Same as PADM 4231). Supervised internship working with administrative branches of national, state, or local governments. Seminar sessions to discuss and analyze problems with which interns are working. May be repeated for a maximum of 12 hours credit. PREREQUISITE: permission of department

POLS 4307 - Government and Politics in Communist China (3)

Institutions of government, political process, political elites, political groups and political socialization in Communist China. PREREQUISITE: POLS 1301.

POLS 4315 - Revolution/Political Violence (3)

Comparative analysis of forms and causes of political violence within nations; revolutions, ethnic conflict, secessionist movements, terrorism. PREREQUISITE: POLS 1301.

POLS 4317 - Democratic Transitions (3)

Comparison of transition from authoritarian rule to democracy in Latin America, Asia, Africa, Eastern Europe; consideration of institutional design of democracy and impact of culture on democratic transition and consolidation. PREREQUISITE: POLS 1301.

POLS 4399 - Res & Studies Abroad (1-6)

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Independent Programs

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[University Honors Program \(UNHP\)](#)
[University of Memphis Libraries \(LBRY\)](#)
[Interdisciplinary Studies \(INTD\)](#)

Supervised field research and studies in selected foreign countries. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of the department.

POLS 4405 - Origin/Dev Amer Pol Thought (3)

Origin and development of political thought in United States from colonial to present time; emphasis on relation between political thought and political institutions and practices. PREREQUISITE: PHIL 1101, or PHIL 1102, or POLS 1101, or POLS 1102, or permission of instructor. [G]

POLS 4415 - African-Am Pol Thght to 1900 (3)

Thought of representative African-Americans upon fundamental questions of justice, right, persuasion, power and accommodation prior to the twentieth century. PREREQUISITE: POLS 1030, 1101, or 1102.

POLS 4416 - African-Am Pol Tht from 1900 (3)

Thought of representative African-Americans upon fundamental questions of justice, right, persuasion, power and accommodation in the twentieth century. PREREQUISITE: POLS 1030, 1101, or 1102.

POLS 4504 - International Law (3)

Nature, scope, duties, rights, and evolutionary trends of international law. PREREQUISITE: POLS 1501, or permission of instructor.

POLS 4506 - Prob American Foreign Policy (3)

Studies or problems of American foreign policy. May be repeated for a maximum 6 credit hours with permission of instructor. PREREQUISITE: POLS 1030 or 1501.

POLS 4508 - Theories InternatI Relations (3)

Theoretical approaches to study of international politics; consideration of various schools of thought, methods, and substantive literatures. PREREQUISITE: POLS 1501, or permission of instructor.

POLS 4510 - Politics of Global Economy (3)

Consideration of manner in which political processes affect and are affected by economic processes at global level. PREREQUISITE: POLS 1501, or permission of instructor.

POLS 4511 - International Security (3)

Sources of conflict between nations; characteristics of international system, national attributes, decision making.

POLS 4512 - Global Environmental Politics (3)

Exploration of major issues and topics of politics of global environment, including governing the global environment, multilateral agreements, issues of sustainability, and environmental justice.

POLS 4701 - Policy Perspectives (3)

Senior capstone seminar requiring students to analyze and solve series of problems in public policy. Students draw upon each subfield of discipline and utilize variety of skills and methods in addressing issues of domestic, foreign and comparative policy. PREREQUISITE: 15 hours of political science courses. PREREQUISITE: POLS 1030, or permission of instructor.

POLS 4702 - Independent Study (1-3)

Independent investigation of research problem or directed reading in selected area of political science under tutorial supervision of member of political science faculty. May be repeated for maximum of 6 hours credit. PREREQUISITE: permission of department chair.

POLS 4709 - Mock Trial (3-6)

Experiential learning about the U.S. legal system, jurisprudence, trial court procedure, the work that attorneys do. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

POLS 4820 - Political History of Israel (3)

(Same as JDST 4820). Interdisciplinary study of political stages in the development of the State of Israel, from mid 19th century to current times, with particular attention paid to key figures in the Zionist movement.

POLS 4999 - Senior Thesis (3)

Independent research project conducted under direction of faculty supervisor. PREREQUISITE: permission of instructor.

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PADM - OPEN

(PADM) OPEN LEARNING FIRE SERVICES PROGRAM
School of Urban Affairs and Public Policy
Division of Public Administration
Michael Howell-Moroney, Ph.D., Director
Room 136, McCord Hall
<http://padm.memphis.edu>

Admission to PADM 3610, 3611, 3612, 3613, 3614, and 3615 is restricted to students seeking the Bachelor of Professional Studies degree in Fire Administration or Fire Prevention Technology through University College.

PADM 3100 - Seminar Emergency Mgmt (3)
(Same as EMGT 3100 and ESCI 3). Synthesizing and integrating the various elements of emergency management.

PADM 3601 - Public Admin (3)
Concepts, practices and trends of governmental administration in executive departments and national, state, and local public agencies; analysis of bureaucracy, public budgeting and finance; public personnel, public service administrative leadership. **PREREQUISITE:** ENGL 1020 or equivalent; junior or senior standing.

PADM 3610 - Personnel Mgmt Fire Service (3)
Personnel practices and management procedures; manpower planning, labor relations recruitment, selection, testing, performance appraisals, classification, motivation, politics, and management.

PADM 3611 - Disaster Planning/Control (3)
Concepts and principles of community risk assessment, regional and cooperative procedures and plans; relationship of structural, climatic and topographical variables to group fires, conflagrations, and natural disasters; pre- and post-occurrence factors; communications, planning, organizing, coordination, command and logistics.

PADM 3612 - Fire Preven Org/Mgmt (3)
Examines and evaluates techniques, procedures, programs and agencies involved with fire prevention; public and private fire prevention functions, licenses, permits, zoning, legal aspects, inspection, investigations, planning, arson, and incendiary analysis.

PADM 3613 - Fire/Emergency Admin (3)
Overview of organization and management in modern fire service; management of equipment and personnel, fire department functions, planning, resource development, labor relations.

PADM 3614 - Political/Legl Fnd Fire Prtctn (3)
Legal basis for police power of government related to public safety; legal limitations and responsibility; liability of fire prevention organizations and personnel; review of judicial decisions.

PADM 3615 - Community Risk Reduction (3)
Sociological, economic and political characteristics of communities and their influence on fire problem; how to study community profiles and structures with consideration of economic, geographic, and sociological variables of fire threat.; examination of functional basis of community, diverse social roles of community agencies; study of fire services as complex organization in community.

PADM 4101 - Political Statistics (3)
(Same as POLS 4101). Introduction to analysis of quantitative data; statistical hypothesis testing in fields of political science and public and health administration. **PREREQUISITE:** POLS 3100.

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Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

PADM 4207 - Health Politics/Policy (3)

Introduction to the political, economic, and social forces affecting the health care system in the United States; emphasis on the development and comparison of health policies within the context of the stages of American policy making.

PADM 4221 - Issues/Urban Admin (3)

Politics, administration, and public policy in urban context; administrative aspects of selected governmental policy making processes; interrelationships of governments at various levels; urban challenges facing modern public administrators.

PADM 4225 - Application/Urban Admin (3)

Tools and strategies of public and nonprofit administration to accomplish collective purposes, develop communities, enhance civic capacity toward improved quality of life in urban settings.

PADM 4226 - Intro Nonprofit Organizations (3)

Critical understanding of historical development and impact of public sector, dynamic environment of nonprofit organization and current issues of importance to nonprofit decision makers. PREREQUISITE: ENGL 1020 or equivalent; junior or senior standing.

PADM 4227 - Issues/Nonprofit Admin (3)

Unique aspects of using financial information in nonprofit administration; principles and practices of nonprofit managerial and financial accounting; nonprofit budget and control issues; analysis of nonprofit financial statements. PREREQUISITE: PADM 4226.

PADM 4231 - Admin Internship (3-12)

(Same as POLS 4231). Supervised internship working with administrative branches of national, state, or local governments. Seminar sessions to discuss and analyze problems with which interns are working. May be repeated for a maximum of 12 hours credits. PREREQUISITE: permission of division.

PADM 4401 - Comparative Public Adm (3)

Examination of differing concepts and perspectives of public administration; variability in administrative systems, political power and control over public bureaucracies, education and recruitment of public bureaucrats; bureaucratic concept of public interest and responsiveness to the public.

PADM 4412 - Neighborhood Dev/Social Entrep (3)

(Same as ANTH 4412). Role of various institutions and their relationship to developmental needs of inner city neighborhoods; evolution of American cities as context for understanding urban neighborhoods and poverty; role of government and foundations in shaping policy at local level; rise of neighborhood associations and nonprofits as extensions of family values; contributing to better understanding of neighborhoods and various intervention strategies.

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Music History, Literature, and

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Music Theory and Composition (MUTC)

Sacred Music (MUSA)

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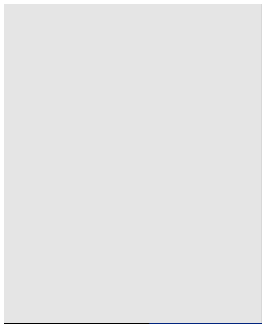
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PADM - PUBLIC

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School of Urban Affairs and Public Policy
Division of Public Administration
Michael Howell-Moroney, Ph.D., Director
Room 136, McCord Hall
<http://padm.memphis.edu>

In addition to the courses below, the department may offer the following Special Topics courses:

PADM 4710-19. Special Topics in Public Administration. (1-3). In-depth study of selected topics and issues related to public and nonprofit administration. May be repeated for a maximum of 6 hours credit.

PADM 3100 - Seminar Emergency Mgmt (3)
(Same as EMGT 3100 and ESCI 3). Synthesizing and integrating the various elements of emergency management.

PADM 3601 - Public Admin (3)
Concepts, practices and trends of governmental administration in executive departments and national, state, and local public agencies; analysis of bureaucracy, public budgeting and finance; public personnel, public service administrative leadership. **PREREQUISITE:** ENGL 1020 or equivalent; junior or senior standing.

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Personnel practices and management procedures; manpower planning, labor relations recruitment, selection, testing, performance appraisals, classification, motivation, politics, and management.

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Legal basis for police power of government related to public safety; legal limitations and responsibility; liability of fire prevention organizations and personnel; review of judicial decisions.

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Sociological, economic and political characteristics of communities and their influence on fire problem; how to study community profiles and structures with consideration of economic, geographic, and sociological variables of fire threat.; examination of functional basis of community, diverse social roles of community agencies; study of fire services as complex organization in community.

PADM 4101 - Political Statistics (3)
(Same as POLS 4101). Introduction to analysis of quantitative data; statistical hypothesis

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Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

testing in fields of political science and public and health administration. PREREQUISITE: POLS 3100.

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Introduction to the political, economic, and social forces affecting the health care system in the United States; emphasis on the development and comparison of health policies within the context of the stages of American policy making.

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Politics, administration, and public policy in urban context; administrative aspects of selected governmental policy making processes; interrelationships of governments at various levels; urban challenges facing modern public administrators.

PADM 4225 - Application/Urban Admin (3)

Tools and strategies of public and nonprofit administration to accomplish collective purposes, develop communities, enhance civic capacity toward improved quality of life in urban settings.

PADM 4226 - Intro Nonprofit Organizations (3)

Critical understanding of historical development and impact of public sector, dynamic environment of nonprofit organization and current issues of importance to nonprofit decision makers. PREREQUISITE: ENGL 1020 or equivalent; junior or senior standing.

PADM 4227 - Issues/Nonprofit Admin (3)

Unique aspects of using financial information in nonprofit administration; principles and practices of nonprofit managerial and financial accounting; nonprofit budget and control issues; analysis of nonprofit financial statements. PREREQUISITE: PADM 4226.

PADM 4231 - Admin Internship (3-12)

(Same as POLS 4231). Supervised internship working with administrative branches of national, state, or local governments. Seminar sessions to discuss and analyze problems with which interns are working. May be repeated for a maximum of 12 hours credits. PREREQUISITE: permission of division.

PADM 4401 - Comparative Public Adm (3)

Examination of differing concepts and perspectives of public administration; variability in administrative systems, political power and control over public bureaucracies, education and recruitment of public bureaucrats; bureaucratic concept of public interest and responsiveness to the public.

PADM 4412 - Neighborhood Dev/Social Entrep (3)

(Same as ANTH 4412). Role of various institutions and their relationship to developmental needs of inner city neighborhoods; evolution of American cities as context for understanding urban neighborhoods and poverty; role of government and foundations in shaping policy at local level; rise of neighborhood associations and nonprofits as extensions of family values; contributing to better understanding of neighborhoods and various intervention strategies.

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Sport and Leisure Commerce (SLC)
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Instruction and Curriculum Leadership

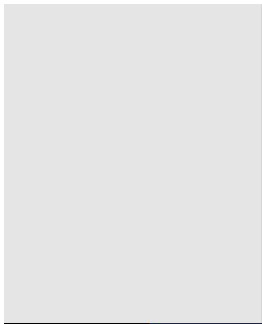
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PSYC

(PSYC) PSYCHOLOGY
Frank Andrasik, Ph.D., Chair
Room 202, Psychology Building
www.memphis.edu/psychology

PSYC 1030 is a prerequisite for all other courses in the Department of Psychology. PSYC 1030 is required for either the major or minor in Psychology.

In addition to the courses below, the department may offer the following Special Topics courses:

PSYC 4010-29. Special Topics in Psychology. (1-3). Topics are varied and in online class listings.

PSYC 4040-49. Honors Special Topics. (3). Topics varied and in online class listings.

PSYC 1030 - General Psychology (3)

(1200). Introduction to psychology as a science of behavior; history of psychology; research strategies; biological bases of behavior; learning; memory; intelligence; motivation; emotion; personality; psychological disorders; techniques of therapy and applied science. Honors sections are frequently available. [G]

PSYC 1300 - Psychology as a Profession (3)

Career options within the field; clarification of and post baccalaureate goals. Students will complete a personal plan that specifies long-term goals and how to achieve those goals. PREREQUISITE: PSYC 1030.

PSYC 3010 - Research and Statistics I (4)

Interpretation, design and conduct of psychological research and statistical methods used to analyze resulting data with emphasis on non-experimental methods, descriptive statistics and correlational methods. Three lecture hours, two laboratory hours per week. PREREQUISITE: PSYC 1030 and MATH 1530 with a minimum grade of C or permission of instructor.

PSYC 3020 - Research and Statistics II (4)

Interpretation, design and conduct of psychological research and statistical methods used to analyze resulting data with emphasis on experimental methods, inferential statistics and advanced correlational methods. Three lecture hours, two laboratory hours per week. PREREQUISITE: PSYC 1030, PSYC 3010.

PSYC 3101 - Psychology of Personality (3)

Introduction to development and functioning of normal person; variety of representative theoretical orientations examined; emphasis on psychoanalytic theories and other contemporary theoretical viewpoints.

PSYC 3102 - Abnormal Psychology (3)

Basic concepts of psychopathology with emphasis on the development of behavior deviations, description of various neurotic and psychotic reactions, and an introduction to methods of psychotherapy.

PSYC 3103 - Child Psychology (3)

Patterns of cognitive, interpersonal, and behavioral development from birth through early adolescence; psychological effects of genetic, organic and environmental influences as the child matures.

PSYC 3106 - Social Psychology (3)

Survey and analysis of mutual influence of individuals and groups, including topics in social thinking, social influence, and social relations.

PSYC 3236 - Psychology of Gender (3)

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Naval Science (NAVY)
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Fogelman College of Business and Economics

Accountancy (ACCT)
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Economics (ECON)

Current research and theory; examination of how gender is understood and represented in our culture and how gender shapes human experience and influences assessment of ourselves and others; postmodern and feminist criticisms of traditional psychological theory and research. PREREQUISITE: PSYC 1030.

PSYC 3303 - Thinking/Cognitive Processes (3)

Overview of fields of cognitive psychology and cognitive science, including perception and attention, short and long-term memory, language, problem solving, reasoning, and decision making.

PSYC 3304 - Perceptual Psychology (3)

Introduction to empirical and theoretical issues in perception; emphasis on classical and contemporary issues and approaches to perception pertaining to how information from environment is transformed, organized, represented and used by the perceiver in adapting to physical world.

PSYC 3305 - Psyc Learning/Memory (3)

Survey and analysis of basic processes involved in acquisition and retention of new behaviors and alteration of existing behaviors in animals and humans; examination of central theoretical concepts and issues in learning.

PSYC 3306 - Physiological Psyc (3)

Survey of physiological processes underlying sensation, perception, motivation and emotion, motor systems, unlearned and learned behavior patterns, memory and other psychological functions.

PSYC 3307 - Animal Behavior (3)

Synthesis of comparative psychological and ethological approaches to study of animal behavior; behavior genetics, species specific behaviors, behavior as a basis for phyletic classification, and major behavioral dimensions related to phylogenesis.

PSYC 3506 - Human Sexuality (3)

Survey of existing knowledge of human sexual behavior; physiological, anatomical, psychological and cultural components; normative sexual functioning; such topics as sexual deviation, sexual dysfunctions, and types of treatment are also considered.

PSYC 3507 - Alcohol/Drugs/Behavior (3)

Survey of behavioral pharmacology, mechanism of action for major drugs of abuse and their behavioral effects; survey of routes of administrations and factors that govern or affect drug absorption, distribution, metabolism, and excretion. Although not required, some knowledge of biological concepts would be useful.

PSYC 3508 - Indust/Organizatnl Psyc (3)

Application of psychological concepts and methods to phenomena in industrial and organizational settings, with emphasis on personnel selection, classification and evaluation, employee attitudes, morale and motivation, and psychological analysis of the condition of work.

PSYC 3509 - Applying Psyc/Community (3)

Principles of psychology applied to real-life, community issues; methodologies and techniques, with emphasis upon the behavior analytic approach; descriptions and discussions of actual programs addressing a variety of community issues such as youth violence, traffic safety, and productivity in the workplace.

PSYC 3510 - Deviance/Role History (3)

Introduction to concept of deviance from prehistory to present; emphasis on vilification and glorification of deviant behavior according to time, place and customs. [G]

PSYC 3512 - Health Psychology (3)

Survey of the biopsychosocial model of health. Explores psychological influences on health, illness, and responses to those states, as well as the psychological origins and outcomes of health interventions. PREREQUISITE: PSYC 1030.

PSYC 3520 - Legal/Forensic Psyc (3)

Intersection of psychology and law; role of forensic psychologist in criminal investigation, trial procedures, risk assessments, evaluations.

PSYC 3530 - Psychology of Language (3)

Introduction to field of psycholinguistics; theories, research and issues in language comprehension and production.

PSYC 3601 - Psychology of Evil (3)

Concept of "evil" in human social history and the contemporary world.

PSYC 3700 - Peer Advising (3)

Discussion of theories, research, and practices related to undergraduate development,

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retention, success; classroom participation as well as research and practical experience. PREREQUISITE: permission of department.

PSYC 3900 - Practicum in General Psyc (3)

Meet one hour per week plus attend all classes of a section of PSYC 1030 to assist students. Keep office hours to answer questions and grade student work. PREREQUISITE: permission of department. S/U

PSYC 4010 - Behavior Modification (3)

Topics are varied and in online class listings.

PSYC 4030 - Issues Psychotherapy Rsrch (3)

Examination of research evidence pertaining to basic questions about psychotherapy and its effectiveness. Readings include both classic contributions and current research findings.

PSYC 4032 - Research Methodology (3)

Discussion of advanced topics in methodology. In addition, student completes all phases of a research project, including question formulation, literature review, design, data analysis, and report writing. Research projects evolve from individual student interests. PREREQUISITE: PSYC 3010 and 3020, or permission of the instructor.

PSYC 4034 - Children Soc Relationships (3)

Examines children's social relationships, particularly peer relationships; social cognitive processing; developmental implications of group status and dyadic friendships; behavioral interactions among peers; impact of reputation on peer group status; gender differences in peer relations; parent management of peer activities; and analyses of conflict and of aggressors and their victims. PREREQUISITE: successful completion of a course in child psychology and permission of instructor.

PSYC 4101 - History of Psychology (3)

Comprehensive survey and critical analysis of the philosophical and scientific antecedents of contemporary psychology. Enrollment preference granted to seniors in their final semester.

PSYC 4102 - Abnormal Child Psych (3)

Survey of various disorders, dysfunctions, and conditions of child psychopathology within the context of a developmental framework. Current and historical conceptualizations of child psychopathology, factors contributing to these problems, and related interventions are examined. PREREQUISITE: PSYC 3102 or permission of instructor.

PSYC 4305 - Mind/Brain/Intelligence (3)

(Same as UNIV 4520). Interdisciplinary studies of cognition, behavior, emotion, intelligence, and brain mechanisms; synthesis of research contributions from cognitive science, neuroscience, artificial intelligence, and philosophy.

PSYC 4401 - Intro to Clinical Psychology (3)

(3503). Advanced seminar for students considering graduate study in psychology; clinical assessment, diagnosis, and intervention; research in behavioral medicine, forensic, and child clinical psychology. PREREQUISITE: PSYC 3010, 3020 3101, 3102, or permission of instructor.

PSYC 4503 - Special Problems in Psyc (1-3)

Student, under faculty supervision, may read intensively in specialized area, conduct psychological research and/or, obtain field experience in community institutions where psychological principles are applied. NOTE: PSYC 4503 and PSYC 4504 may be repeated for a combined total of 9 hours credit, no more than 6 hours credit with any one faculty member. PREREQUISITE: permission of the department. (S/U).

PSYC 4504 - Directed Research (3)

Majors receive first hand research experience under tutorship of individual faculty member. Students may work individually or in small groups depending upon project. Projects conform to set of guidelines available from department. NOTE: PSYC 4503 and PSYC 4504 may be repeated for a combined total of up to 9 hours credit, no more than 6 hours credit with any one faculty member. PREREQUISITE: permission of instructor. (S/U).

PSYC 4505 - Special Prob/Behav Neurosci (3)

Specialized reading and research conducted under direction of faculty supervisor and with approval of behavioral neuroscience committee. NOTE: PSYC 4505 and PSYC 4506 may be repeated for a combined total of up to 9 hours credit, no more than 6 hours credit with any one faculty member. PREREQUISITE: permission of instructor and declaration of Neuroscience concentration.

PSYC 4506 - Direct Rsch Behav Neuro (3)

Specialized reading and research conducted under direction of faculty supervisor and

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with approval of behavioral neuroscience committee. NOTE: PSYC 4505 and PSYC 4506 may be repeated for a combined total of up to 9 hours credit, no more than 6 hours credit with any one faculty member. PREREQUISITE: PSYC 4505 and permission of instructor. (S/U).

PSYC 4507 - Psyc Internship (3)

Supervised field placement in a department approved site. Includes 30 classroom hours and 120 placement hours. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of instructor, completion of 55 or more credit hours, satisfactory completion of PSYC 3010 and 3020, minimum overall and psychology grade point average of 3.0. (S/U)

PSYC 4994 - Senior Thesis (3)

Original research conducted under direction of faculty supervisor. For outstanding students who are not participating in Honors Program. (S/U)

PSYC 4995 - Honors Sr Thesis/Behav Neuro (3)

Original research conducted under direction of faculty supervisor and with approval of behavioral neuroscience committee. PREREQUISITE: admission to Honors Program and permission of behavioral neuroscience advisor. (S/U)

PSYC 4996 - Honors Senior Thesis (3)

Original research conducted under direction of faculty supervisor, and with approval of Honors Committee. PREREQUISITE: admission to Honors Program, permission of thesis advisor and successful completion of thesis proposal in PSYC 4504. (S/U)

PSYC 4997 - Senior Thesis/Behav Neurosci (3)

Original research conducted under direction of faculty supervisor and with approval of behavioral neuroscience committee. PREREQUISITE: permission of behavioral neuroscience advisor and successful completion of thesis proposal in PSYC 4506.

PSYC 4998 - Sr Thesis/Cognitive Science (3)

Original research conducted under direction of faculty supervisor and with approval of cognitive science committee. (S/U)

PSYC 4999 - Honors Sr Thesis/Cognitive Sc (3)

Original research conducted under direction of faculty supervisor and with approval of cognitive science committee. PREREQUISITE: admission to Honors Program. (S/U)

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Religious Studies

(RLGN) RELIGIOUS STUDIES
Interdisciplinary Studies Office
Room 107, Scates Hall
<http://www.memphis.edu/isc/>

In addition to the courses below, the department may offer the following Special Topics courses:

RLGN 4050-75. Special Topics in Religious Studies. (3). Topics are varied and in online class listings. May be repeated for a maximum of 6 hours credit.

RLGN 1100 - Introduction to Religion (3)

Introduction to the world's major spiritual traditions from ancient times to the present. [G]

RLGN 3100 - Perspectives on Religion (3)

Continued study of religion using a range of comparative and theoretical perspectives; exploration of perennial themes in religion, drawing on the different traditions as examples. PREREQUISITE: RLG 1100.

RLGN 4010 - Directed Readings (3)

Reading on particular topic in religious studies under the supervision of faculty member. PREREQUISITE: permission of program coordinator.

RLGN 4990 - Capstone Project (3)

Continues study of religion requiring individual investigation of specific topic in religious studies leading to completion of significant research paper. PREREQUISITE: RLG 3100 and permission of instructor.

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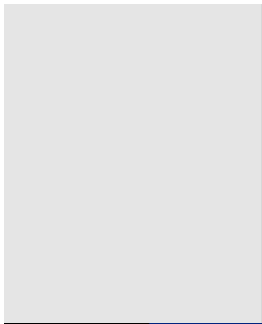
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SWRK

(SWRK) SOCIAL WORK
School of Urban Affairs and Public Policy
Department of Social Work
Steven Soifer, Ph.D., Chair
Room 226, McCord Hall
<http://cas.memphis.edu/socialwork/>

SWRK 2010 and 2911 are prerequisites for all other courses in the Department of Social Work; may be taken after earning 30 credit hours, as specified in the note accompanying the requirements for the Pre-Social Work major; and are required of Social Work Majors.

In addition to the courses below, the department may offer the following Special Topics courses:

SWRK 4911-19. Special Topics in Social Work. (3). Topics of contemporary interest in social work profession and in social welfare practices. PREREQUISITE: SWRK 2911, or permission of instructor.

SWRK 2010 - Introduction to Social Work (3)
(2910). Overview of social work as profession, including introduction to its value base, knowledge base, and skill base; and roles of social workers in social service agencies. Community laboratory experience required. Two and one-half lecture hours, one and one-half laboratory hours per week.

SWRK 2911 - Soc Response to Human Need (3)
Introduction to historical and contemporary issues related to American social welfare systems; analysis of impact on vulnerable populations, value implications, change processes, and culturally relevant concepts of need. Volunteer experience required.

SWRK 3902 - Human Behavior/Soc Envrnmnt (3)
Overview of human development from birth through old age; focus on interaction of biological, psychological, and socio-cultural factors; major developmental theories, transitional phases, and variant lifestyles; relevance to social functioning and social work practice. PREREQUISITE: SWRK 2010 or 2911 and BIOL/MMCS 1010/1011, or permission of instructor.

SWRK 3903 - Social Work Practicum I (4)
Overview of traditional social casework methodology; emphasis on theoretical approaches and generalist practice; beginning applications of case study model. PREREQUISITE: SWRK 2010, 2911, 3902, or permission of director.

SWRK 3904 - Social Work Practicum II (3)
Continuation of SWRK 3903, with emphasis on application of theory through assessment, intervention planning, use of community resources, and functions of social workers; extensive case analysis. PREREQUISITE: SWRK 3903.

SWRK 3906 - Social Work Practicum III (3)
Theory and application of group dynamics concepts as applied to individual in group, committee and community structures and functions, roles of social worker in these settings. PREREQUISITE: SWRK 2010, 2911, and 3903. COREQUISITE: SWRK 4830 and 4840.

SWRK 3920 - Soc Welfare Policy/Programs (3)
Overview of social welfare policy development and methods; programs resulting from these efforts; influence of competing value orientations; exposure to differing models of policy analysis; and implications for professional practice including the role of social work in developing, implementing, and evaluating social programs. PREREQUISITE: SWRK 2010 and 2911. COREQUISITE: SWRK 3930.

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SWRK 3930 - Intro Soc Work Research (3)

History and methods of social work research including scientific thinking, application of statistical operations, and systematic approaches to acquisition of social work knowledge. PREREQUISITE: SWRK 2010 and 2911 and SOCI 3311.

SWRK 4830 - Field Instruction Soc Work I (3)

Supervised internship in social service agency or program. Minimum two days per week required. PREREQUISITE: SWRK 3904. COREQUISITE: SWRK 3906 and 4840.

SWRK 4831 - Field Instruction Soc Work II (4)

Continuation of supervised internship. Minimum three days per week required. PREREQUISITES: SWRK 4830 and 4840. COREQUISITE: SWRK 4841.

SWRK 4833 - Religion/Spiritly SWRK Prac (3)

Importance of religion and spirituality in shaping belief systems; psychosocial development; development of social policy; significance of religious institutions in providing social services; examines how religion and spirituality influence the individual, family, community.

SWRK 4840 - Integrative Field Seminar I (2)

Integration of social work theory with field instruction experiences. COREQUISITE: SWRK 4830 and 3906.

SWRK 4841 - Integrative Field Seminar II (2)

Continuation of SWRK 4840. COREQUISITE: SWRK 4831.

SWRK 4933 - Directed Ind Study (1-4)

Directed advanced reading, field study and/or research in special areas of social work, not otherwise provided in curriculum. NOTE: no more than 4 hours may be taken in any one semester. May be repeated for maximum of 6 hours credit. PREREQUISITE: Social Work major and permission of director, Division of Social Work.

SWRK 4934 - Child Welfare Policy/Services (3)

Historic overview and contemporary application of child welfare policy; problems in policy development; contemporary American child welfare services in both public and private domains. PREREQUISITE: SWRK 2010, 2911, and 3920.

SWRK 4935 - Child Welfare II (3)

Roles and responsibilities of social workers practicing within child welfare system; mastery of practice skills at a range of levels, such as individual, family, and environment designed to develop culturally competent child welfare workers. PREREQUISITE: SWRK 2010, 2911, and 3920.

SWRK 4937 - School Social Work (3)

Overview of school social work including public education system from the national, state, and local levels; examination of range of practice and policy issues related to delivery of social work services in school settings. Special emphasis on understanding current federal and state laws as they relate to practice with school-age children and their families. PREREQUISITE: SWRK 2010, 2911, and 3920.

SWRK 4939 - Mental Health Concepts (3)

Definition, assessment, and classification of mental disorders, psychopathology, and basic psychotherapeutic and psychopharmacological treatment approaches; dangers of diagnosing in terms of labeling, stereotyping, and stigmatizing; impact of social and economic injustice on the mentally ill. PREREQUISITE: SWRK 2010, 2911, and 3902.

SWRK 4940 - Grief and Loss (3)

Normal and unresolved grief and loss as well as therapeutic intervention; values and ethics, cultural diversity and populations at risk as they relate to grief and loss. PREREQUISITE: SWRK 2010, 2911 and 3902.

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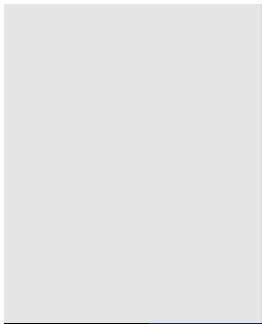
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SOCI

(SOCI) SOCIOLOGY
Department of Sociology
Martin Levin, Ph.D., Chair
Room 231, Clement Hall
<http://sociology.memphis.edu/>

It is strongly recommended that students take SOCI 1010 before taking other courses in the department.

In addition to the courses below, the department may offer the following Special Topics courses:

SOCI 4900-09. Special Topics in Sociology. (3). Special areas of sociology not otherwise included in the curriculum.

SOCI 4980. Honors Special Topics in Sociology. (3). Topics are varied and in online class listings. May be repeated for a maximum of 9 hours credit. PREREQUISITE: admission to the Honors Program in Sociology.

SOCI 1010 - Introduction to Sociology (3)

(1111). Introduction to concepts, methods and theoretical perspectives in sociology. Basic principles of sociological reasoning introduced through lectures, reading assignments, and micro-computer instruction. [G]

SOCI 2100 - Soc/ Intrntl Development (3)

Social change in an increasingly interdependent world; introduction to development theory and how relations among countries condition changes within them; cultural conflict, social inequality, education and ideology, industrialization, urbanization, multi-national corporations, population problems, quality of life indicators. [G]

SOCI 3112 - Contemporary Social Problems (3)

Sociological approaches to understanding contemporary social problems; magnitude, causes, consequences, and possible solutions to various problems such as poverty, racism, sexism, problems of aging, crime, and population.

SOCI 3311 - Social Statistics (3)

Application of basic statistical concepts and techniques to social analysis; description of data for single variables and for relationships between two variables; tests of significance for relationships between two variables involving sample data; use of packaged statistical computer programs for single- and two-variable analysis.

SOCI 3322 - Methods of Social Research (3)

Overview of process of social research; selection and formulation of problem, design of research, methods of investigation, analysis and interpretation of data, and report preparation; emphasis on data collection techniques. PREREQUISITE: SOCI 3311.

SOCI 3401 - Social Inequality (3)

Unequal distribution of power, property, and prestige and social relations of dominance and subordination in the American class system; how and why this inequality develops and persists; differences in life chances and options across different social classes.

SOCI 3420 - Sociology of the South (3)

Political economy and major institutions in the South and implications for different races and classes; the South since World War II, including the Civil Rights movement.

SOCI 3422 - Racial/Ethnc Minorities (3)

Comparative study of racial and ethnic minorities in United States, how inequality is institutionalized in such areas as employment, education, political participation, and social relations; emphasis on how subordinate groups resist oppression and initiate social change. [G]

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SOCI 3432 - Sociology of Gender (3)

Traditional conceptions of masculinity and femininity and modifications of these resulting from economic, demographic and cultural changes; socialization for masculine and feminine roles and variations in these roles throughout life cycle; class, race, occupational and other institutional differences in sex roles.

SOCI 3501 - Sociology of Deviant Behavior (3)

Problems in applying definitions of deviance in everyday life; theories about causes and consequences of deviance critically reviewed; types of deviance analyzed, ranging from interpersonal violence to various forms of sexual expression.

SOCI 3540 - Gambling and Society (3)

Role of gambling in society with its accompanying social, economic, political and individual concomitants; types of gambling, legitimization of gambling, gaming industry, sports gambling, regressive nature of gambling; analysis of problems gambling as role impairment and look to the future of technology and Internet gambling.

SOCI 3541 - Criminology (3)

Nature and significance of criminality; etiology of illegal behavior; trends in social reactions to crime and criminals; evolution of biological, psychological, and sociological theories of criminal behavior.

SOCI 3701 - Individual and Society (3)

Basic theory and research dealing with study of human behavior in social situations; emphasis on communication processes, socialization, social roles, social self, and interaction in group contexts.

SOCI 3820 - Sociology of Education (3)

Sociological analysis of education and its functions, school and community relationships; problems of social change and educational adjustments.

SOCI 3831 - Marriage and Family (3)

American family patterns, including mate selection, man-woman relationships, marital satisfaction, parent-child communication, divorce, alternative lifestyles and other contemporary issues.

SOCI 3860 - Sociology of Religion (3)

Role of religion in modern society; relationship between religion and other spheres of life; sociological examination of cults, sects, churches, and religious movements; causes and consequences of religious beliefs and practices.

SOCI 3940 - Social Change (3)

A critical assessment of explanations and patterns of social change from a global perspective; emphasis on social institutions, social movements/revolutions, democratization, culture, technology, population dynamics, and environmental transformation.

SOCI 4210 - Rise of Sociological Theory (3)

Nature, grounds, and explanatory powers of various forms of sociological theory; analysis of bases for scientific and philosophical assumptions and social and political contexts; major theorists including Durkheim, Marx, Weber, Simmel.

SOCI 4211 - Contemp Sociological Theory (3)

Trends and developments in sociological theory from the mid-20th century to the present; descriptive to explanatory to critical theories of social action, organization, inequality, and change, as well as interaction between people, groups, and societies.

SOCI 4312 - Intermediate Social Stat (3)

Multivariate analysis of social data; use of computer programs for data management and statistical analysis. PREREQUISITE: SOCI 3311, 3322, or equivalent, or permission of the instructor.

SOCI 4413 - Global/Culture/Info Technology (3)

Effects of the global digital divide; use and application of various information technologies.

SOCI 4420 - Racial Inequality (3)

Relations of dominance and subordination in the United States; social and political experiences of African Americans, Asian Americans, and Latinos, especially strategies employed to resist oppression and reduce inequality.

SOCI 4425 - Environmental Sociology (3)

Role of social institutions, power, and inequality in shaping environmental discourse and action; dynamics of environmental social movements.

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SOCI 4442 - Sociology of Poverty (3)

Structural sources of inequality and how experiences of poverty are shaped by race, gender and age.

SOCI 4460 - Black/White Women in South (3)

How history of South and political-economic structure has shaped black and white women's work, family, community activities, and relationships; emphasis on collaboration and competition aspects, identity issues, and demographic characteristics; focus on the Memphis area.

SOCI 4541 - Sociology of Aging (3)

Ageism in sociocultural contexts; current beliefs, values, and norms regarding aging; structural location of aging in society; and implications of ageism in employment, poverty, private and institutional housing, crime, physical illness and mental illness.

SOCI 4631 - Cities in Change (3)

Historical transformation of urban communities and urban life; impact of globalization on local places; class, race and ethnic segregation in urban and metropolitan communities; immigration; urban political, economic and social change in comparative perspective.

SOCI 4641 - Sociology/Global Environment (3)

Examination of interactions between physical environment in which we live and human societies which we have created; emphasis on crises of global environment and efforts toward sustainable development.

SOCI 4842 - Sociology/Occup/Professions (3)

Sociological analysis of division of labor, occupational groupings, career patterns, and professional associations in modern American society; meaning of work.

SOCI 4851 - Medical Sociology (3)

Explanation of the relationships among society, population processes and health; examination of the ways in which health is as much social as biological.

SOCI 4852 - Sociology of Mental Illness (3)

Definition, taxonomy, models; epidemiology, demographics of class, age, sex, race, residence, marital status; media images, public policy, delivery systems, examines personal experiences and social stigma; explores expression of emotions, assertiveness training, anger management, suicide, codependency, divorce recovery, alcoholic family roles; surveys sociotherapeutic responses; social stress.

SOCI 4912 - Directed Indiv Study (1-6)

Individually directed advanced reading and/or research in special areas of interest. May be repeated for maximum of 6 hours credit. PREREQUISITE: permission of department chair.

SOCI 4923 - Social Institution/Life Cycle (3)

Analysis of social institutions from life cycle perspective; social institutions studied from perspective of their specific function for and appropriateness to specific stages of life cycle development.

SOCI 4998 - Honors Thesis (3)

Original research conducted under the direction of a faculty mentor. May be repeated in successive semesters for a maximum of 6 hours credit. May be taken by honors students in addition to or instead of SOCI 4999. PREREQUISITE: admission to the Honors Program in Sociology.

SOCI 4999 - Senior Thesis Seminar (3)

Analysis of process and practice of sociological inquiry; emphasis on integration of sociological theory, research methods, statistics, and knowledge of a substantive area through formulation and completion of original research project. Research problem will be formulated and executed by student with consultation and supervision of instructor. PREREQUISITE: SOCI 3311, 3322, 4210 or 4211, and nine upper division hours.

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WMST

(WMST) WOMEN'S and GENDER STUDIES
Interdisciplinary Studies Office
Joy Clay, Ph.D.
Room 107, Scates Hall
joyclay@memphis.edu

In addition to the courses below, the department may offer the following Special Topics courses:
WMST 4380-99. Special Topics in Women's and Gender Studies. (3). Topics are varied and in online class listings.

WMST 2100 - Intr/Women/Gender Study (3)

Exploration of racially diverse women's experience, focus on contemporary gender issues; overview of different disciplinary and theoretical approaches.

WMST 3000 - Multicultural Women's Lit (3)

Exploration of texts of women writers across a multicultural schema, with particular attention to African American, African, Chicana, and Arab women writers.

WMST 4340 - Independent Study (3)

Readings and writing assignments designed to further the student's understanding of a specialized area within women's studies.

WMST 4380 - Multicultural Women's Lit (3)

Women's stories and radical histories.

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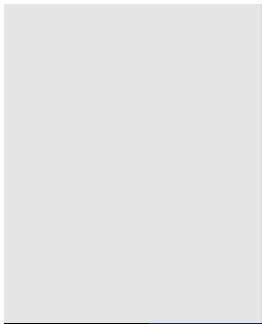
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Department of Foreign Languages and Literatures
Ralph Albanese, Ph.D., Chair
Room 375, Dunn Hall
<http://fl.memphis.edu>

ARAB 1010 - Elementary Arabic I (3)

Principles of pronunciation; everyday expressions; basic sentence patterns through oral practice, writing and reading.

ARAB 1020 - Elementary Arabic II (3)

Continued study of sentence patterns through oral and written practice. **PREREQUISITE:** ARAB 1010 or equivalent.

ARAB 2010 - Intermediate Arabic I (3)

Continued study of sentence patterns through oral and written practice. **PREREQUISITE:** ARAB 1020 or equivalent.

ARAB 2020 - Intermediate Arabic II (3)

Continued study of sentence patterns through oral and written practice.

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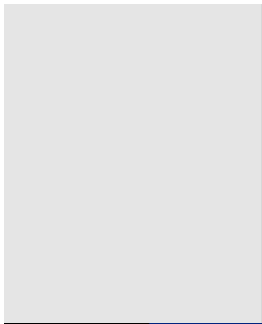
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<http://fl.memphis.edu>

In addition to the courses below, the department may offer the following Special Topics courses:
CHIN 4791-99. Special Topics in Chinese Literature, Language, or Civilization. (3).
May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

CHIN 1010 - Elementary Chinese I (3)

Principles of pronunciation; everyday expressions; basic sentence patterns through oral practice, writing and reading.

CHIN 1020 - Elementary Chinese II (3)

Continued study of sentence patterns through oral and written practice. PREREQUISITE: CHIN 1010 or equivalent.

CHIN 2010 - Intermediate Chinese I (3)

Continued study of sentence patterns through oral and written practice. PREREQUISITE: CHIN 1020 or equivalent.

CHIN 2020 - Intermediate Chinese II (3)

Continued study of sentence patterns through oral and written practice. PREREQUISITE: CHIN 2010 or equivalent.

CHIN 3301 - Conversation and Composition (3)

Conversational practice dealing with various topics on social life, traveling, business; fundamental Chinese grammar for reading and writing. PREREQUISITE: CHIN 2020 or equivalent.

CHIN 3302 - Conversation and Composition (3)

Conversational practice dealing with various topics on Chinese culture, life style, business, education, history, current grammar and slang for conversation and composition. PREREQUISITE: CHIN 3301 or equivalent.

CHIN 3402 - Readings in Chinese Culture (3)

PREREQUISITE: CHIN 3301

CHIN 4301 - Modern Chinese Fiction (3)

Reading in twentieth century Chinese fiction; themes of modernity, nationalism, class, gender and self. PREREQUISITE: CHIN 3301, 3302 or permission of instructor.

CHIN 4304 - Advanced Chinese I (3)

Composition, reading, conversation; emphasis on vocabulary and grammar. PREREQUISITE: CHIN 3302 or equivalent.

CHIN 4305 - Advanced Chinese II (3)

Composition, reading, conversation; emphasis on vocabulary and grammar. PREREQUISITE: CHIN 4304 or equivalent.

CHIN 4780 - Individual Studies (1-3)

Directed individual study in selected areas of Chinese chosen in consultation with instructor. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of the instructor.

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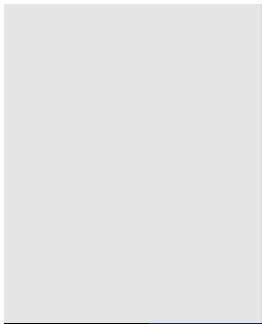
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CLAS 2481 - Mythology (3)

Thematic study of classical myths and their function in ancient literature; emphasis on reading myths in ancient sources in translation. [G]

CLAS 3021 - Medical Terminology (3)

Origin and derivation of words used in medicine and the sciences; emphasis on building of scientific vocabulary.

CLAS 3412 - Roman Culture (3)

Study based on literary sources, of public and private life including such topics as family life, slavery, religion, medicine, law, and technology.

CLAS 3413 - Greek Lit in Translation (3)

Reading and analysis of masterpieces of Greek literature in translation from Homer to Lucian; emphasis on development of literary types.

CLAS 3414 - Roman Lit in Translation (3)

Reading and analysis of masterpieces of Roman literature in English translation from origins to close of Silver Age; emphasis on genres of Roman literature.

CLAS 4780 - Individual Study Classics (1-3)

Directed individual study in selected areas of Classics chosen in consultation with instructor. Repeatable for a maximum of 6 semester hours credit. PREREQUISITE: permission of instructor.

CLAS 4791 - Studies in Classics (1-3)

Topics in classical literature and civilization. May be repeated for maximum of 6 hours credit. PREREQUISITE: permission of instructor.

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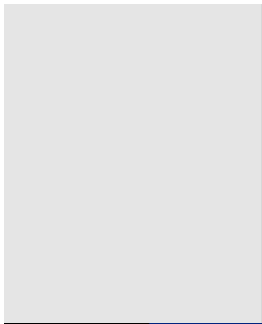
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In addition to the courses below, the department may offer the following Special Topics courses:

FREN 4791-99. Special Topics in French Literature, Language, or Civilization. (3). May be repeated for a maximum of 6 hours credit. PREREQUISITE: FREN 3301, or permission of instructor. RECOMMENDED: FREN 3411.

FREN 1010 - Elementary French I (3)
Basic skills fundamental to language proficiency and culture.

FREN 1020 - Elementary French II (3)
Further development of basic skills fundamental to language proficiency and culture. PREREQUISITE: FREN 1010, or equivalent.

FREN 2010 - Intermediate French I (3)
Comprehensive review of French grammar, exercises in writing, and readings in French literature and culture. PREREQUISITE: FREN 1020, or equivalent.

FREN 2020 - Intermediate French II (3)
More advanced readings. PREREQUISITE: FREN 2010, or equivalent.

FREN 3301 - Conversation and Composition (3)
PREREQUISITE: FREN 2020, or equivalent.

FREN 3302 - Conversation and Composition (3)
PREREQUISITE: FREN 3301, or permission of instructor.

FREN 3401 - French Civilization (3)
Culture of France as reflected in its history, social institutions, art, and music. Recommended for Foreign Language, liberal arts, and International Business majors. PREREQUISITE: FREN 3301, or permission of instructor.

FREN 3411 - Intro To French Lit (3)
Selections from origins to present time; emphasis on textual analysis. PREREQUISITE: FREN 3301.

FREN 3791 - French for Commerce I (3)
Introduction to French business terminology and forms of correspondence with regular readings of business, commercial and technical publications. PREREQUISITE: FREN 3301 recommended.

FREN 3900 - French Culture and Society (3-6)
Intensive language and culture; travel to a French speaking country required. PREREQUISITE: permission of study abroad director.

FREN 4301 - French Phonetics (3)
Theory and practice of French sounds, especially recommended for teachers of French. PREREQUISITE: three years of college French, or permission of instructor.

FREN 4302 - Adv French Grammar (3)
Practical advanced grammar course concerned with grammatical, syntactical, and lexical usage of contemporary French.

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FREN 4412 - 17th & 18th Centuries (3)

Classical theatre and critical theories; essay, nouvelle, and conte in 18th century. PREREQUISITE: FREN 3301. RECOMMENDED: FREN 3411.

FREN 4413 - 19th Century French Lit (3)

Survey of literary movements and major authors with readings in all major genres. PREREQUISITE: FREN 3301. RECOMMENDED: FREN 3411.

FREN 4414 - 20th Century French Lit (3)

Survey of literary movements and major authors with readings in the novel, poetry and theater. PREREQUISITE: FREN 3301. RECOMMENDED: FREN 3411.

FREN 4415 - Francophone Literature (3)

Study of literature written in French from countries other than France. May be repeated for a maximum of 6 hours credit with a change in content and permission of instructor.

FREN 4780 - Individual Study French (1-3)

Directed individual study in selected areas of French chosen in consultation with instructor. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

FREN 4793 - French Visual Culture (3)

Exploration of transformations in Francophone societies as reflected in visual culture, and the criticism of visual culture as it is practiced in the Francophone world.

FREN 4801 - Cont France/Francophone World (3)

Overview of major institutions and cultural aspects of contemporary France and the French-speaking world. PREREQUISITE: FREN 3301 or permission of instructor.

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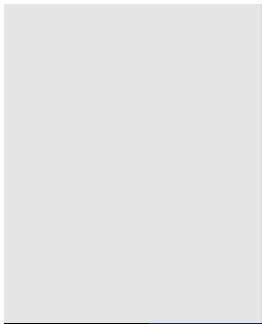
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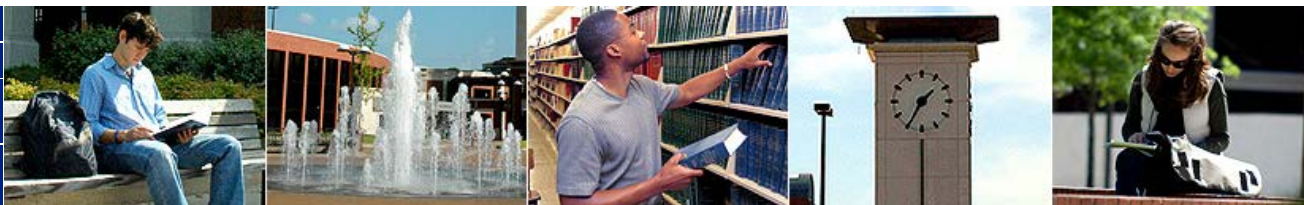
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In addition to the courses below, the department may offer the following Special Topics courses:

GERM 4791-99. Special Topics in German Language or Literature. (3). May be repeated for maximum of 6 hours credit. PREREQUISITE: two courses from: GERM 3301, 3302, 3411, 3412, or permission of instructor.

GERM 1010 - Elementary German I (3)

Basic skills fundamental to language proficiency and culture.

GERM 1020 - Elementary German II (3)

Further development of basic skills fundamental to language proficiency and culture. PREREQUISITE: GERM 1010, or equivalent.

GERM 2010 - Intermediate German I (3)

Continued development of listening, speaking, reading, and writing skills. PREREQUISITE: GERM 1020, or equivalent.

GERM 2020 - Intermediate German II (3)

Expansion of German skills, with more extensive listening comprehension practice and readings. PREREQUISITE: GERM 2010, or equivalent.

GERM 3301 - Conversation and Composition (3)

PREREQUISITE: GERM 2020, 2021, or equivalent.

GERM 3302 - Conversation and Composition (3)

PREREQUISITE: GERM 2020, 2021, or equivalent.

GERM 3303 - German Translation (3)

Combination of historical review of translation theories with translation practice; translation of German to English as well as English to German; how translations reflect changing literary and cultural values and tastes; examination how nuances of language and culture (source and target) influence the translator's choice of whom and what kind of text to translate. PREREQUISITE: GERM 2020 or permission of instructor.

GERM 3411 - Intro German Lit and Culture I (3)

German literature from 17th to 18th century. PREREQUISITE: GERM 2020, 2021, or equivalent.

GERM 3412 - Intro Germ Lit and Culture II (3)

German literature from 19th to 21st century. PREREQUISITE: GERM 2020, 2021, or equivalent.

GERM 3790 - Advanced German Grammar (3)

(Was 4302). Special problems in grammar; recommended for majors and minors. PREREQUISITE: 3000 level German course or equivalent.

GERM 3791 - Business German I (3)

German economy and society; German business terminology and forms of communication. PREREQUISITE: GERM 2020, or equivalent.

GERM 3792 - Business German II (3)

German economy and global market. German business terminology and forms of

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communication. PREREQUISITE: GERM 2020, or equivalent.

GERM 3900 - Germany Today (3-6)

Intensive language and culture course; travel to German speaking country required. PREREQUISITE: permission of study abroad director.

GERM 4443 - German Writers 20th Century (3)

Selected works of Hesse, Thomas Mann, Kafka, Frisch, Duerrenmatt, Brecht, and Boell. PREREQUISITE: two courses from the group GERM 3301, 3302, 3411, 3412, or permission of instructor.

GERM 4451 - German Drama (3)

Survey of dramatic literature from sixteenth to twentieth centuries; readings from Reformation, Baroque, Enlightenment, Sturm und Drang, Classicism, Romanticism, Realism, and modern period. PREREQUISITE: two courses from the group GERM 3301, 3302, 3411, 3412, or permission of instructor.

GERM 4465 - German Narrative Prose (3)

Reading of major prose writings from Romanticism to present; emphasis on the Novelle. PREREQUISITE: two courses from the group GERM 3301, 3302, 3411, 3412, or permission of instructor.

GERM 4466 - German Poetry (3)

Overview of German poetry since 1600; emphasis on sociohistorical aspects, formal and structural analysis of selected works. PREREQUISITE: two courses from the group GERM 3301, 3302, 3411, 3412, or permission of instructor.

GERM 4480 - Goethe (3)

Special emphasis on early and late poetry, Die Leiden des jungen Werthers, and Faust, part I. PREREQUISITE: two courses from the group GERM 3301, 3302, 3411, 3412, or permission of instructor.

GERM 4501 - Teaching German Pedagogy (3)

Application of modern linguistic theories to learning German. PREREQUISITE: GERM 3301, 3302, or permission of instructor.

GERM 4511 - German Lang Dev/Structure (3)

German language in its various stages of development. PREREQUISITE: GERM 3301, 3302, or permission of instructor.

GERM 4780 - Individ Study German (1-3)

Directed individual study in selected areas of German chosen in consultation with instructor. May be repeated for a maximum of 6 hours credit by permission of chair. PREREQUISITE: permission of instructor.

GERM 4791 - German Humor (3)

Comedies, satire, jokes. and film; theoretical essays about humor.

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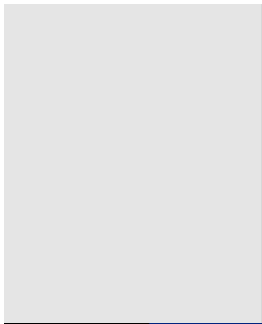
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GREK

(GREK) GREEK
Department of Foreign Languages and Literatures
Ralph Albanese, Ph.D., Chair
Room 375, Dunn Hall
<http://fl.memphis.edu>

GREK 1010 - Elementary Greek I (3)
Elements of grammar and syntax of ancient Greek; practice in reading and simple classical and New Testament passages.

GREK 1020 - Elementary Greek II (3)
Continuation of grammar and syntax of ancient Greek; practice in reading more advanced passages from classical and New Testament Greek. **PREREQUISITE:** GREK 1010, or equivalent.

GREK 2010 - Intermediate Greek I (3)
Comprehensive review of Greek grammar; extensive reading of classical and New Testament Greek texts. **PREREQUISITE:** GREK 1020, or equivalent.

GREK 2020 - Intermediate Greek II (3)
Readings in classical and New Testament Greek; emphasis on interpretive techniques and analysis of syntactic and rhetorical features. **PREREQUISITE:** GREK 2010 or equivalent.

GREK 3111 - Greek Historians (3)
Reading and analysis of selected Socratic dialogues. **PREREQUISITE:** GREK 2020, or equivalent.

GREK 3511 - Greek Tragedy (3)
Reading and analysis of selected tragedies of Aeschylus, Sophocles, and Euripides. **PREREQUISITE:** GREK 2020, or equivalent.

GREK 3911 - Plato's Early Dialogues (3)
Reading and analysis of dialogues of Plato that give a prelude to death of Socrates.

GREK 4441 - Homer (3)
Reading and analysis of selections from Homer's Iliad and Odyssey. **PREREQUISITE:** GREK 2020, or equivalent.

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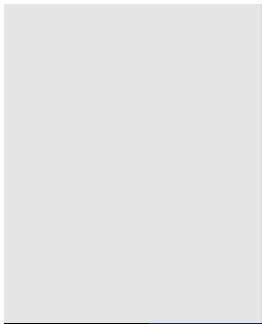
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(HEBR) HEBREW
Department of Foreign Languages and Literatures
Ralph Albanese, Ph.D., Chair
Room 375, Dunn Hall
<http://fl.memphis.edu>

HEBR 1010 - Elementary Hebrew I (3)

Principles of pronunciation; everyday expressions: basic sentence patterns through oral practice, writing and reading.

HEBR 1020 - Elementary Hebrew II (3)

Continued study of sentence patterns through oral and written practice. **PREREQUISITE:** HEBR 1010, or equivalent.

HEBR 2010 - Intermediate Hebrew I (3)

Continued study of sentence patterns through oral and written practice. **PREREQUISITE:** HEBR 1020, or equivalent.

HEBR 2020 - Intermediate Hebrew II (3)

Continued study of sentence patterns through oral and written practice. **PREREQUISITE:** HEBR 2010, or equivalent.

HEBR 3301 - Hebrew Converse/Comp I (3)

Development of advanced oral and written communication skills in Hebrew. **PREREQUISITE:** HEBR 2020, or permission of instructor.

HEBR 3302 - Hebrew Converse/Comp II (3)

Continuation of HEBR 3301. **PREREQUISITE:** HEBR 3301, or permission of instructor.

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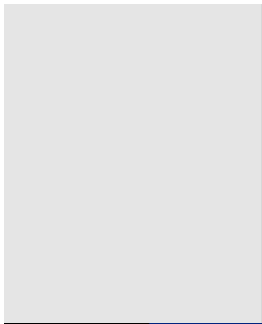
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In addition to the courses below, the department may offer the following Special Topics courses:

ITAL 4791-99. Special Topics in Italian Literature, Language, and Civilization. (3). May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

ITAL 1010 - Elementary Italian I (3)
Basic skills fundamental to language proficiency and culture.

ITAL 1020 - Elementary Italian II (3)
Further development of basic skills fundamental to language proficiency and culture. PREREQUISITE: ITAL 1010, or equivalent.

ITAL 2010 - Intermediate Italian I (3)
Comprehensive review of basic grammar, exercises in conversation, writing, and cultural readings. PREREQUISITE: ITAL 1020 or equivalent.

ITAL 2020 - Intermediate Italian II (3)
Continued development of basic language skills through oral and written practice. PREREQUISITE: ITAL 2010, or equivalent.

ITAL 3301 - Conversation/Composition I (3)
Development of oral proficiency and writing skills. PREREQUISITE: ITAL 2020, or equivalent.

ITAL 3302 - Conversation/Composition II (3)
Continued development of oral proficiency and writing skills. PREREQUISITE: ITAL 3301, or permission of instructor.

ITAL 3311 - Adv Conversation/Composition I (3)
Designed to develop strong conversational and listening skills; includes wide variety of activities and exposure to native conversational speed; selected readings to help expand vocabulary. PREREQUISITE: ITAL 3301 or permission of instructor.

ITAL 3312 - Adv Conversation/Composition II (3)
Continued development of strong conversational and listening skills; includes wide variety of activities and exposure to native conversational speed; selected readings to help expand vocabulary. PREREQUISITE: ITAL 3301 or permission of instructor.

ITAL 3411 - Intro to Italian Literature (3)
Survey of major literary works from the Middle Ages to the present. PREREQUISITE: ITAL 3301 or permission of instructor.

ITAL 3900 - Italian Culture and Society (3-6)
Intensive language and culture; travel to an Italian speaking country required. PREREQUISITE: permission of study abroad director.

ITAL 4441 - Dante (3)
Study of the Vita Nuova and the Divina Commedia. Students taking this course do not receive credit for LALI 4441. PREREQUISITE: ITAL 2020, or permission of instructor.

ITAL 4780 - Indiv Studies Italian (1-3)

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Directed individual study in selected areas of Italian chosen in consultation with instructor. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

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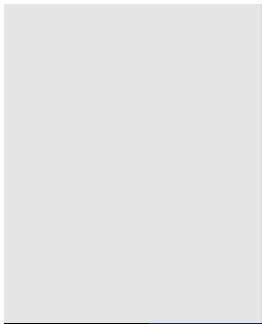
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JAPN 1010 - Elementary Japanese I (3)
Basic skills fundamental to language proficiency and culture.

JAPN 1020 - Elementary Japanese II (3)
Further development of basic skills fundamental to language proficiency and culture.
PREREQUISITE: JAPN 1010, or equivalent.

JAPN 2010 - Intermediate Japanese I (3)
Continued development of listening, speaking, reading and writing skills. PREREQUISITE:
JAPN 1020, or equivalent.

JAPN 2020 - Intermediate Japanese II (3)
Expansion of Japanese skills with more extensive listening comprehension practice and readings. PREREQUISITE: JAPN 2010, or equivalent.

JAPN 3301 - Conversation/Composition I (3)
PREREQUISITE: JAPN 2020, or equivalent.

JAPN 3302 - Conversation/Composition II (3)
PREREQUISITE: JAPN 3301, or equivalent.

JAPN 3401 - Intro to Japanese Literature (3)
Japanese literature and culture through a selection of important literary works written since 1900. PREREQUISITE: JAPN 3301, or equivalent.

JAPN 3402 - Readings/JAPN Culture (3)
Continued development of cultural competencies and language skills for professional purposes through a wide range of primary reading materials such as newspaper articles, comic books, biographies, and essays. PREREQUISITE: JAPN 3301 or permission of instructor.

JAPN 3900 - Japan Culture/Society (3-6)
Intensive language and culture course; travel to Japanese speaking country required.
PREREQUISITE: permission of study abroad director.

JAPN 4401 - Advanced Japanese I (3)
Advanced development of language skills (speaking, listening, reading, and writing) and cultural knowledge. PREREQUISITE: JAPN 3302 or permission of instructor.

JAPN 4402 - Advanced Japanese II (3)
Continuation of JAPN 4401. Further development of advanced language and cultural skills. PREREQUISITE: JAPN 4401 or permission of instructor.

JAPN 4501 - Japanese Linguistics (3)
Theory and hands-on data analysis in various aspects of Japanese linguistics, including syntax, semantics, and pragmatics. PREREQUISITE: JAPN 3301, 3302, or permission of instructor.

JAPN 4701 - Japn/Professional Purpose I (3)
PREREQUISITE: JAPN 3302 or permission of instructor.

JAPN 4702 - Japn/Professional Purposes II (3)

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PREREQUISITE: JAPN 3302 or permission of instructor.

JAPN 4780 - Individual Study in Japanese (3)

Directed individual study in selected area of Japanese chosen in consultation with instructor. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

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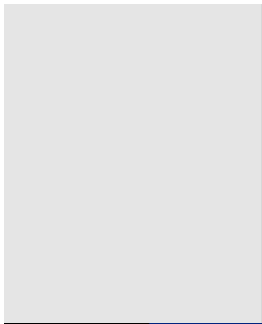
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In addition to the courses below, the department may offer the following Special Topics courses:

LALI 4010-29. (3). Special Topics in Foreign Literatures. (3). Topics vary and are announced in the online class listing.

LALI 4791-99. Special Topics in Foreign Literature, Language, or Civilization. (3). May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

LALI 1010 - Special Foreign Lang I (3)

Freshman level instruction in languages not regularly offered by Department of Foreign Languages; offered if and when sufficient demand exists and instructors available. Although credit earned in LALI 1020-2020 may be used to satisfy foreign language requirements for degrees, students should be aware of two important points: (1) foreign language requirement for degrees in College of Arts and Sciences specifies that all hours must be in same language; (2) unless demand is sufficient and unless instructors are available, the University cannot offer enough courses to enable students to meet these requirements.

LALI 1020 - Special Foreign Lang II (3)

Continuation of LALI 1010. Freshman level instruction in languages not regularly offered by Department of Foreign Languages; offered if and when sufficient demand exists and instructors available.

LALI 2010 - Intermediate Foreign Lang I (3)

Continuation of LALI 1010 and 1020. Offered provided instructor is available and there is sufficient student enrollment.

LALI 2020 - Intermediate Foreign Lang II (3)

Continuation of LALI 2010. Offered provided instructor is available and there is sufficient student enrollment.

LALI 3661 - Old Testament (3)

(Same as JDST 3661). Disciplines of history, philosophy, literature, religion, and culture; understanding the meanings, messages, and world views contained in sacred Hebrew texts.

LALI 4025 - Contemporary Intl Cinema (3)

Topics vary and are announced in the online class listing.

LALI 4441 - Dante (3)

Study of the Vita Nuova and the Divine Comedy in English translation.

LALI 4442 - Italian Cinema (3)

Screening and discussion of major Italian movies in context of 20th and early 21st century Italian culture and society.

LALI 4493 - Contemporary French Lit (3)

Emphasis on widely translated, well-known works by major French writers; presented in English translation.

LALI 4780 - Individual Study Lang and Lit (1-3)

Directed individual study in selected areas of language or literature chosen in

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consultation with instructor. May be repeated for a maximum of 6 hours credit.
PREREQUISITE: permission of instructor.

LALI 4792 - Immigration/World Cultures (3)
Culturally specific and globally shared issues of immigration.

LALI 4890 - Literary Criticism (3)
Study of the history and theories of literary criticism as exemplified by texts selected from various literary traditions. PREREQUISITE: 6 hours of coursework in a foreign language at the 3000 level or above.

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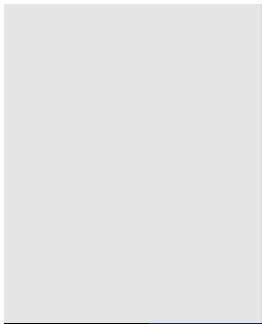
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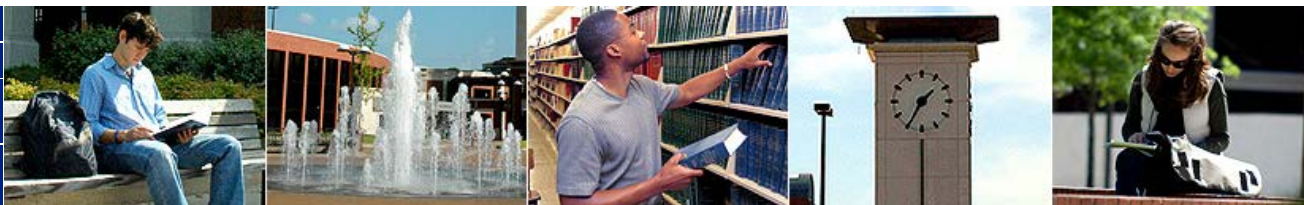
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LATN

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LATN 1010 - Elementary Latin I (3)
Elements of grammar; practice in Latin composition and translation.

LATN 1020 - Elementary Latin II (3)
Completion of elementary Latin grammar, with additional readings. PREREQUISITE: LATN 1010, or equivalent college level credit.

LATN 2010 - Intermediate Latin I (3)
Review of basic Latin grammar with reading selections from The Golden Fleece and Roman history. PREREQUISITE: LATN 1020, or the equivalent.

LATN 2020 - Intermediate Latin II (3)
More advanced readings from major authors. PREREQUISITE: LATN 2010, or equivalent.

LATN 3111 - Roman Historians (3)
Readings and analysis of selections from Caesar, Livy, Tacitus, and Suetonius; emphasis on nature of Roman historiography. PREREQUISITE: LATN 2020.

LATN 3211 - Vergil (3)
Reading and analysis of the Aeneid. PREREQUISITE: LATN 2020.

LATN 3912 - Cicero (3)
Reading and analysis of De Amicitia and De Senectute. PREREQUISITE: LATN 2020.

LATN 4001 - Latin Prose (3)
Reading, interpretation of original texts of one or more Latin prose authors; language, structure and content. May be repeated for a maximum of 9 credit hours. PREREQUISITE: LATN 2020.

LATN 4002 - Latin Poetry (3)
Reading, interpretation of original texts of one or more major Latin poets; language, structure and context. May be repeated for a maximum of 9 credit hours. PREREQUISITE: LATN 2020.

LATN 4411 - Roman Letter Writers (3)
Reading and analysis of Cicero's Letters. PREREQUISITE: LATN 2020.

LATN 4711 - Elegy/Lyric/Epigram (3)
Reading and analysis of selections from Catullus, Horace, Tibellus, Propertius, and Martial. PREREQUISITE: LATN 2020.

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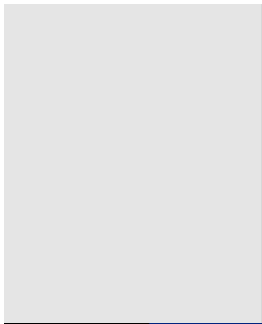
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Room 375, Dunn Hall
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PORT 3301 - Conversation/Culture I (3)

Accelerated introduction to Portuguese for students with a command of Spanish. Specific emphasis will be placed on the development of an intermediate oral and written level of proficiency. **PREREQUISITE:** minimum of two 3000-level Spanish courses, or permission of instructor.

PORT 3311 - Conversation/Culture II (3)

Focus on conversation and composition through a series of cultural experiences such as television programs, literary readings, movies, newspaper and magazine articles. **PREREQUISITE:** PORT 3301, or permission of instructor.

PORT 4024 - Brazilian Short Story (3)

Emphasis on readings of Brazilian contemporary prose and knowledge of Portuguese grammar. **PREREQUISITE:** PORT 3311, or permission of instructor.

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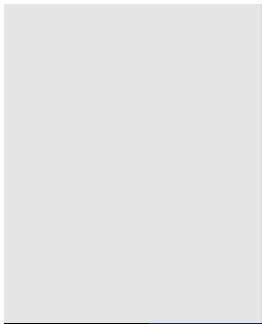
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In addition to the courses below, the department may offer the following Special Topics courses:
RUSS 4791-99. Special Topics in Russian. (3). May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

RUSS 1010 - Elementary Russian I (3)
Introductory survey of Russian grammar and phonetics.

RUSS 1020 - Elementary Russian II (3)
Continuation of RUSS 1010. PREREQUISITE: RUSS 1010, or permission of instructor.

RUSS 2010 - Intermediate Russian I (3)
Comprehensive review of Russian grammar, exercises in spoken and written Russian. PREREQUISITE: RUSS 1020, or permission of instructor.

RUSS 2020 - Intermediate Russian II (3)
Continuation of RUSS 2010. PREREQUISITE: RUSS 2010, or permission of instructor.

RUSS 3301 - Conversation and Composition (3)
Development of advanced oral and written communication skills. PREREQUISITE: RUSS 2202 or permission of instructor.

RUSS 3302 - Conversation and Composition (3)
Continuation of RUSS 3301. PREREQUISITE: RUSS 3301, or permission of instructor.

RUSS 3441 - 19th Century Russian Lit (3)
Survey of major writers and works of the first half of the 19th century, including Pushkin and Gogol.

RUSS 3442 - 19th Century Russian Realism (3)
Survey of major writers and works of the last half of the 19th century, including Dostoevski and Tolstoi.

RUSS 3443 - 20th Century Russian Prose (3)
Survey of Russian literature since 1900, including selected writers and works of the pre-revolutionary and Soviet periods and Russian emigre literature.

RUSS 4780 - Individual Study Russian (1-3)
Directed individual study in selected areas of Russian chosen in consultation with instructor. May be repeated for a maximum of 6 hours credit by permission of department chair. PREREQUISITE: permission of instructor.

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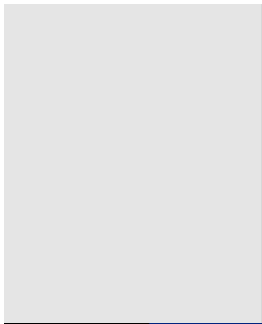
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SPAN 4790-99. Special Topics in Literature and Linguistics. (3). Topics in Spanish linguistics, literature or culture designed to be of special interest for the advanced student in Spanish. May be repeated for maximum of 9 hours credit. PREREQUISITE: minimum of three 3000-level courses in Spanish or equivalent.

SPAN 1010 - Elementary Spanish I (3)
Basic skills fundamental to language proficiency and culture.

SPAN 1020 - Elementary Spanish II (3)
Further development of basic skills fundamental to language proficiency and culture. PREREQUISITE: SPAN 1010, or equivalent.

SPAN 2010 - Intermediate Spanish I (3)
Comprehensive review of Spanish grammar, exercises in writing conversation, and readings in Hispanic literature and culture. PREREQUISITE: SPAN 1020, or equivalent.

SPAN 2020 - Intermediate Spanish II (3)
More advanced readings. PREREQUISITE: SPAN 2010, or equivalent.

SPAN 3000 - Spanish Integrated Skills (3)
Designed to help students improved their skills in order to successfully complete a concentration or minor in Spanish. This course will not count toward fulfilling the requirements for the concentration or minor in Spanish, and is not a prerequisite for taking any upper-division Spanish courses.

SPAN 3301 - Conversation (3)
Designed to help students develop oral proficiency; diverse opportunities for self-expression. Not intended for students with native or near-native proficiency in Spanish. PREREQUISITE: SPAN 2020, or equivalent.

SPAN 3303 - Composition (3)
Designed to develop adequate writing skills; compositions analyzed to identify and avoid frequent grammatical errors and to avoid interference from English. Not intended for students with native or near-native proficiency. PREREQUISITE: SPAN 2020 or equivalent.

SPAN 3308 - Spanish Phonetics (3)
Designed to develop strong pronunciation skills; presents basic principles of Spanish phonetics and examines the features of several dialects of this language. PREREQUISITE or COREQUISITE: three 3000-level courses, equivalent, or permission of instructor.

SPAN 3311 - Intrmdiate Conversation (3)
Designed to develop strong conversational and listening skills; includes wide variety of activities, exposure to different pronunciations and native conversational speed; selected readings to help expand vocabulary. Not intended for students with native or near-native proficiency. PREREQUISITE: SPAN 3301, or permission of instructor.

SPAN 3312 - Adv Conversation (3)
Further vocabulary expansion, precision in diction, and ability to express and understand non-technical subjects. PREREQUISITE: SPAN 3311, or permission of instructor.

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SPAN 3313 - Advanced Composition (3)

Designed to develop strong command of written language; emphasis on style, organization and exposition of content as opposed to grammatical analysis. PREREQUISITE: SPAN 3303, or permission of instructor.

SPAN 3550 - Latin America Country & People (3)

Does not fulfill any foreign language requirement at the University of Memphis.

SPAN 4306 - Applied Span Linguistics (3)

Current research in linguistics, psycholinguistics and sociolinguistics and their contribution to second language teaching and second-language learning. PREREQUISITE: minimum of three 3000-level Spanish courses, equivalent, or permission of instructor.

SPAN 4307 - Adv Grammar/Writing (3)

Special problems in Spanish grammar pertaining to perterite and imperfect, "ser" and "estar"; special verb constructions; subjunctive, definite, indefinite articles; writing styles; vocabulary and idiomatic expressions. Recommended for major and minor. PREREQUISITE: minimum of three 3000-level Spanish courses or equivalent.

SPAN 4308 - Adv Grammar/Speech (3)

Special problems in Spanish grammar pertaining to propositions, placement of descriptive adjectives, passive voice, reflexive substitute, past participle in absolute constructions, relative pronouns; speech production, vocabulary, idiomatic expressions. Recommended for majors and minors. PREREQUISITE: minimum of three 3000-level Spanish courses or equivalent.

SPAN 4310 - Spanish of Heritage Speakers (3)

Designed for heritage and advanced non-native speakers who need to demonstrate strong skills in speaking and writing in a professional setting, i.e., teaching, business, legal, and other areas where this competence will be required to apply for a job. PREREQUISITE: demonstration of fluency corresponding to that acquired by a heritage speaker, or minimum of five upper-division Spanish courses, or equivalent, or permission of instructor.

SPAN 4410 - Spanish Lit and Civilization (3)

Survey of literary movements and major figures with readings in literature and civilization. Required of majors. PREREQUISITE: minimum of three 3000-level Spanish courses, or equivalent, or permission of instructor.

SPAN 4431 - Contemporary Spanish Prose (3)

Spanish prose from Generation of 1898 to present. PREREQUISITE: minimum of three 3000-level Spanish courses, or equivalent, or permission of instructor.

SPAN 4432 - Contemp Spanish Poetry/Drama (3)

Spanish poetry and drama from Generation of 1898 to present. PREREQUISITE: minimum of three 3000-level Spanish courses, or equivalent, or permission of instructor.

SPAN 4510 - Spanish Amer Lit/Civilization (3)

Survey of literary movements and major figures with readings in literature and civilization. Required of majors. PREREQUISITE: minimum of three 3000-level Spanish courses, or equivalent, or permission of instructor.

SPAN 4561 - Pre-Contemp Span Amer Fiction (3)

Development of Spanish American novel and short story from beginnings through 20th century. PREREQUISITE: minimum of three 3000-level Spanish courses, or equivalent, or permission of instructor.

SPAN 4562 - Contemporary Span Amer Fiction (3)

Spanish American novel and short story of 20th century. PREREQUISITE: minimum of three 3000-level Spanish courses, or equivalent, or permission of instructor.

SPAN 4563 - Hispanic Literature Genres (3)

Hispanic literature; selections from origins to present time; emphasis on textual analysis. Required for majors. PREREQUISITE: minimum of three 3000-level Spanish courses, or equivalent, or permission of instructor.

SPAN 4701 - Spanish for Commerce I (3)

Spanish business terminology and correspondence. PREREQUISITE: any 3000-level Spanish course, or permission of instructor.

SPAN 4702 - Spanish for Commerce II (3)

Business concepts and documents. PREREQUISITE: any 3000 level Spanish course, or permission of instructor.

SPAN 4703 - Languages/Cultures/Communities (3)**Finance (FIR)**

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Sacred Music (MUSA)

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Loewenberg School of Nursing

Nursing (NURS)

Focus on Spanish related to health professions from a cultural and communicative standpoint; familiarity with written and oral vocabulary as well as with cultural knowledge for the assessment of Spanish speaking health professionals in a variety of settings. PREREQUISITE/COREQUISITE: minimum of three 3000-level Spanish courses, or equivalent, or permission of instructor.

SPAN 4704 - Spanish for Healthcare (3)

Study of Spanish related to health professions. Students will gain familiarity with written and oral vocabulary for the assessment of Spanish speaking health professionals in a variety of settings. PREREQUISITE: minimum of three 3000-level Spanish courses, or equivalent, or permission of instructor.

SPAN 4780 - Individual Study Spanish (1-3)

Directed individual study in selected areas of Spanish chosen in consultation with instructor. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

SPAN 4790 - Spanish Phonetics (3)

SPAN 4791 - Hispanic Cinema (3)

A survey of Latin American film focusing on socio-cultural issues.

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ACCT

(ACCT) ACCOUNTANCY
CAROLYN CALLAHAN, Ph.D., Director
Room 200, Fogelman College of Business and Economics
Administration Building
<http://www.memphis.edu/accountancy/>

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In addition to the courses below, the department may offer the following Special Topics courses:

ACCT 4920-29. Special Topics in Accounting. (3). Varied topics. May be repeated once with change in topic. PREREQUISITE: permission of director.

ACCT 2010 - Fundamentals of Acct I (3)
(TBR: ACCT 1010). Introduction to measurement, realization, classification and disclosure concepts about businesses' financial statement; emphasis on how managers, creditors, and investors can analyze financial accounting information to make investment, financing, and operating decisions.

ACCT 2020 - Fundamentals of Acct II (3)
(TBR: ACCT 1020). Introduction to measurement and disclosure concepts about cost and profit of products, services, and organizational units; emphasis on how managers can use internal and external information to make resource allocation decisions, to plan and to control investment and make operating decisions. PREREQUISITE: ACCT 2010, MATH 1710 or 1830.

ACCT 3011 - Business Law (3)
Elements of law and legal principles encountered in business; emphasis on basic law of contracts, sales and secured transactions, negotiable instruments, real and personal property, agency, forms of business organization, suretyship, insurance contracts and torts.

ACCT 3110 - Intermediate Accounting I (3)
Review of accounting process and financial statements; cash; receivables and short-term investments; inventories; investments in equity securities, income recognition; operational assets; intangibles. PREREQUISITE: ACCT 2020, or permission of director.

ACCT 3120 - Intermediate Accounting II (3)
Long-term debt; corporations, formation and changes after formation; retained earnings; investments in debt instruments; statement of cash flows; pensions; leases; E.P.S.; deferred income taxes; accounting changes; financial reporting and changing prices. PREREQUISITE: ACCT 3110.

ACCT 3130 - Legal/Social/Political Environ (3)
Emphasis on legal, social, and political environment in which business and its executives

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exist; legal, social, and political forces that affect business operations; lectures and case discussions.

ACCT 3310 - Cost Accounting (3)

Cost systems, including job order, process, and standard, as management information systems for planning and control. Allocation of indirect costs, preparation of variable budgets, and determination of standard cost variances and their meaning.

PREREQUISITE: ACCT 2020.

ACCT 3510 - Federal Income Tax I (3)

Introduction to the federal income taxation of individuals. PREREQUISITE: ACCT 2020.

ACCT 4020 - Accounting Systems (3)

Accounting systems analysis and design emphasizing the accounting cycles approach; theory of systems control in an organizational setting; holistic approach of synthesizing the accounting, financing, operating, and production functions where applicable.

PREREQUISITE: ACCT 3110, 3310.

ACCT 4211 - Adv Financial Reporting (3)

Business combinations; accounting methods for consolidated financial statements; foreign transactions and accounting for foreign subsidiaries; partnership accounting; state and local government accounting. PREREQUISITE: ACCT 3120.

ACCT 4240 - Audit/Assurance Services (3)

Ethics in accounting practices, internal control, auditing standards and procedures, programs of audit of various accounts, reports to clients. PREREQUISITE or COREQUISITE: ACCT 3120, 4020.

ACCT 4241 - Advanced Auditing (3)

Auditing of computer-based accounting systems; emphasis on audit software and computer auditing techniques used to evaluate accounting systems controls and test accounting data integrity; nature and use of expert systems in accounting with emphasis on their use as an audit tool. PREREQUISITE: ACCT 4240.

ACCT 4300 - Fin Stmt Analysis/Hospitality (3)

Comprehensive and up-to-date treatment of analysis of financial statements in assessing an organization's risk in decision making. PREREQUISITE: ACCT 2020.

ACCT 4520 - Taxation/Bus Entities (3)

Introduction to the federal income taxation of corporations, partnerships, estates and trusts. PREREQUISITE: ACCT 3510.

ACCT 4540 - Govt/Health/Non-Profit (3)

Basic accounting and reporting procedures for governmental units, universities and other not-for-profit entities. PREREQUISITE: ACCT 3110 or permission of instructor.

ACCT 4625 - Internl Acct/IFRS/US GAAP (3)

Major similarities and differences between US GAAP and International Financial Reporting Standards (IFRS); international issues related to taxation and financial statement analysis. PREREQUISITE or COREQUISITE: ACCT 3120.

ACCT 4910 - Problems in Accounting (1-3)

Students will conduct approved projects in major area under supervision of faculty. PREREQUISITE: permission of director.

ACCT 4911 - Internship in Accounting (1-6)

Internship in business organization to gain on-the-job experience. Project to be approved, supervised by departmental faculty member. Credit allowed only after acceptance of report, varies with complexity of duties. PREREQUISITE: 2.75 overall GPA and completed 15 hours in the Upper Division core.

ACCT 4996 - Senior Honors Thesis (3)

Independent research open only to those students enrolled in the honors program. Thesis supervised by faculty member; approved by the Director of the School. PREREQUISITE: senior standing and permission of the director of the college honors program.

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Instruction and Curriculum Leadership

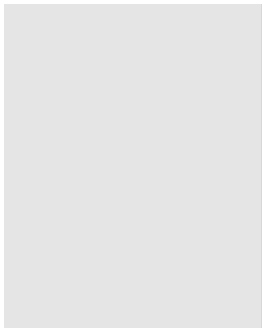
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BA

(BA) BUSINESS ADMINISTRATION

Jasbir Dhaliwal, Ph.D., Associate Dean for Academic Programs
Room 426, FCBE Administration Building
<http://www.memphis.edu/fcbe/>

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BA 4900 - Practicum In Research (1-3)

Actual problem-solving research activities in business and economics. Student assigned to project either being conducted currently by faculty member or one developed under supervision of faculty member. Whenever possible, project within student's major field of study. PREREQUISITE: senior status.

BA 4911 - Internship Intl Bus (1-6)

Practical operations of international business. Students placed for 1-8 month period with cooperating business firm operating in fields of international banking and finance, transportation, management, marketing or accounting. Academic credit granted upon certification of satisfactory performance by cooperating business firm and upon acceptance by faculty of written research report by student. PREREQUISITE: 2.75 overall GPA and completed 15 hours of Upper Division core.

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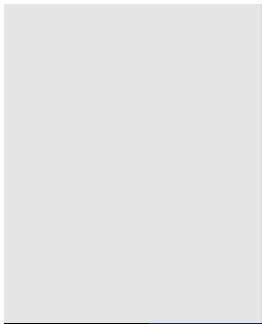
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SCMS

(SCMS) SUPPLY CHAIN MANAGEMENT SCIENCE
Department of Marketing and Supply Chain Management
Marla Royne Stafford, Ph.D., Chair
Room 302 FCBE Administration Building
<http://www.memphis.edu/marketing/>

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SCMS 2610 - Intro/Supply Chain Mgmt (3)
(MKTG 2610, 3610). Purchasing and supply management; operations management; transportation and logistics.

SCMS 2710 - Business Statistics (3)
(ISDS). Introduction to basic statistical procedures for analysis and interpretation of business data; collection and presentation of data, probability theory, measures of central tendency and variability, sampling distributions, estimation of parameters, and principles of hypothesis testing. Introduction to a statistical software package.
PREREQUISITE: MATH 1830 or 1910.

SCMS 3510 - Operations Management (3)
(ISDS). Operations as a key element of organizational strategy from a competitive viewpoint. Integration of various techniques to facilitate solution to productivity and quality issues in both manufacturing and service industries using multifunctional approaches in the creation of goods and services. PREREQUISITE: SCMS 2710 or MATH 1530.

SCMS 3620 - Global Logistics Mgmt (3)
(MKTG). Analysis of logistics activities, distribution network alternatives, and customer service aspects; examination of freight traffic function within firm's logistics system, analysis of rate and classification systems, and carrier selection; evaluation of logistics procedures and strategies and their appropriateness to different industries.
PREREQUISITE: SCMS 2610.

SCMS 3650 - Strategic Sourcing (3)
(MKTG). Role of purchasing function within organization; purchasing process; procurement and commodity strategy; insourcing/outourcing; supplies evaluation and selection; supplier management and development; global sourcing; cost and price analysis; negotiation; contract management; new product development. PREREQUISITE: SCMS 2610.

SCMS 3711 - Analytical Tools/Business (3)
(ISDS). Applied analytical and qualitative methods for analysis of common business decision problems; regression, math programming and optimization; forecasting, computer simulation, and decision analysis. PREREQUISITE: SCMS 2710 or MATH 1530.

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SCMS 4510 - Operations Planning & Control (3)
(ISDS). Continuation of SCMS 3510. Focus on planning and management of material flows in internal and external supply chains for effectively delivering value to the customer. PREREQUISITE: SCMS 3510.

SCMS 4511 - Supply Chain Strategy (3)
(ISDS). Comprehensive study of development, execution and measurement of integrated supply chain management strategies. PREREQUISITE: SCMS 3510, SCMS 2610.

SCMS 4512 - Current Topic/Supply Chain Mgt (3)
(ISDS). Current topics in supply chain management. PREREQUISITE: SCMS 2610, or permission of instructor.

SCMS 4810 - Problems/Supply Chain Mgmt (1-3)
(MKTG). Conduct approved research project in supply chain management area under supervision of faculty member. PREREQUISITE: SCMS 2610, junior standing and permission of department chair or Supply Chain Management program coordinator.

SCMS 4811 - Internship/Supply Chain Mgmt (1-6)
(MKTG). Internship in business organization to gain on-the-job experience. Internship to be approved and supervised by supply chain management faculty member. Credit allowed only after acceptance of student's written report. PREREQUISITE: 2.5 overall GPA, completion of Lower Division Business Core, SCMS 2610 and permission of chair or Supply Chain Management Program coordinator.

SCMS 4996 - Senior Honors Thesis (3)
Independent research open only to students enrolled in the Honors Program. Thesis supervised by area faculty member. PREREQUISITE: senior standing and permission of the Director of the College Honors Program.

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Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

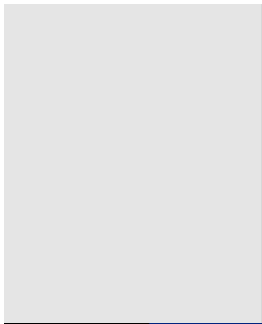
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Educational Services (EDSV)
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Reading (RDNG)
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ECON

(ECON) ECONOMICS
William Smith, Ph.D., Interim Chair
Room 400, FCBE Administration Building
<http://economics.memphis.edu/>

Students must have earned a minimum of 45 credit hours and have met specific course prerequisites with a minimum grade of "C" to be eligible for all 3000 and 4000 level courses. In addition to these requirements, students seeking a degree in the Fogelman College of Business and Economics must have (1) completed all required lower division business courses with a minimum grade of "C" in each; (2) minimum of 2.25 GPA (2.5 for accounting majors) in all required lower division business courses and MATH 1830 or 1910, and (3) 45 hours of course work including MATH 1830 or 1910, COMM 2381 and 9 hours of English (See B.B.A. Degree Requirements-General Requirements).

A surcharge of \$30 per credit hour for 3000 and 4000 level courses and \$30 per credit hours for 6000-9000 level courses has been approved by the Tennessee Board of Regents. The purpose of the surcharge on these business courses is to guarantee the continuous improvement of the college and compliance with the standards of the Association to Advance Collegiate Schools of Business International (AACSB International).

In addition to the courses below, the department may offer the following Special Topics courses:

ECON 3020-29. Special Topics in Economics. (3). Current economic issues and problems in the United States; emphasis on application of tools and analytical methods. PREREQUISITE: ECON 2010, 2020.

ECON 4760-69. Special Topics in Economics. (1-3). Topics are varied and in online class listings. May be repeated with a change in topic. PREREQUISITE: permission of department chair.

ECON 2010 - Intro to Macroeconomics (3)
(2110). Nature and functions of the national economy in a global context. Includes consumption and investment behavior, national income and product determination, fiscal and monetary policy, and international trade. [G]

ECON 2020 - Intro to Microeconomics (3)
(2120). Operation of the market economy at the individual and firm level; supply and demand analysis, consumer behavior, behavior of firms in both competitive and monopoly environments, income distribution theory, and effects of government intervention in the market economy. [G]

ECON 3123 - Economics of Sport (3)
Tools and concepts of microeconomics to the sport world; individual, team and league behavior with the context of economic theory; player salaries, profit maximization, stadium financing, college athletics. PREREQUISITE: ECON 2010.

ECON 3210 - Labor Economics (3)
Introduction to institutional aspects of American labor force and its organization wage and employment theory, economic role of collective bargaining, and basic ingredients of public policy toward labor organization. PREREQUISITE: ECON 2020.

ECON 3310 - Microeconomic Theory (3)
Intermediate approach to price theory; stress on market mechanism as device for resource allocation; attention to uses of basic microeconomic concepts in analysis of economic problems and in formulation of policy. PREREQUISITE: ECON 2020.

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Earth Sciences (ESCI)
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Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
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Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
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Economics (ECON)

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ECON 3320 - Macroeconomic Theory (3)

Intermediate approach to social income accounting and to functional relationships between important aggregate economic variables as well as to forecasting and social policy implications. PREREQUISITE: ECON 2010.

ECON 3411 - Economics of Social Issues (3)

Applications of economic theory and analysis to current social problems, and evaluation of current and potential policy solutions to social issues.

ECON 3580 - Intl Economic Dvlp/Ecol Persp (3)

Process of economic development as adaptive interplay between man's needs and ways in which environment is exploited to satisfy those needs in both developed and less developed countries. PREREQUISITE: ECON 2010, or permission of instructor.

ECON 3610 - Money and Banking (3)

Monetary and banking history of leading countries with special emphasis on theory of money and banking in United States, deposit and earnings operations of individual banks, interbank and central bank relations. PREREQUISITE: ECON 2010.

ECON 4112 - Organizational Econ (3)

Analysis of markets and organizations, competitive advantage, production and cost, consumer and market demand, strategic management decision-making, decision rights, incentives and rewards, and structure of performance systems. PREREQUISITE: ECON 2020.

ECON 4120 - Economic Forecasting (3)

Current economic thinking on problems of recession and inflation as background to economic forecasting; methodologies of forecasting analyzed with examples of each. PREREQUISITE: SCMS 3711, or equivalent.

ECON 4130 - Governmnt Regulation of Bus (3)

Approaches to legal and legislative control of business, especially tax laws, commission regulations, and antimonopoly legislation, in view of impact of each on industrial operating policy. PREREQUISITE: ECON 2020.

ECON 4210 - Public Economics (3)

Government taxation and spending programs and effect on markets; production and provision of public goods; externalities, Medicare, Medicaid, Social Security; behavior in output and input markets; theory of optimal taxation. PREREQUISITE: ECON 2020 with a grade of "C" or better.

ECON 4220 - Urban/Regional Economics (3)

Examines issues relevant to cities, including the reasons why cities exist, how economic activity is organized within cities; transportation, poverty, crime, development, public finance. PREREQUISITE: ECON 2020.

ECON 4230 - Economics of Ecology (3)

Examines the market system of resource allocation in the larger context of the natural world and ecological system. PREREQUISITE: ECON 2020.

ECON 4240 - Economics of Vice (3)

Applications of economic theory and analysis of topics such as crime, dating, sex, drugs, addiction, and music; evaluation of current and potential policies related to these issues. PREREQUISITE: ECON 2020.

ECON 4340 - Comparative Economic Systems (3)

Factors contributing to differential performance of economic systems, including property rights, information flow, incentive structure, management-labor relations, government policies on technology and competitiveness; emerging trends of system convergence and corporate globalization. PREREQUISITE: ECON 2020.

ECON 4350 - International Econ (3)

Historical approach to theory of international trade; consideration given to Classical, Neo-Classical and Modern approach to trade theory with emphasis on policy implications of the analysis. PREREQUISITE: ECON 2020 or equivalent.

ECON 4351 - Intrntl Monetary Theory/Pol (3)

Open economy macroeconomics; examination of payments among nations, foreign exchange markets, determinants of exchange rate policies; national income and foreign exchange, internal and external balance and international factor movements. PREREQUISITE: ECON 2010.

ECON 4410 - Development Econ Thought (3)

Historical development of economic thought; attention primarily on emergence of Classical and Neoclassical thought, several dissident schools of thought, and twentieth century economic thought. PREREQUISITE: ECON 2010.

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Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences**Counseling, Educational Psychology and Research**

Counseling and Personnel Services (COUN)
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Dietetics (NUTR)
Health and Human Performance (EXSS)
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ECON 4550 - Game Theory/Strategic Analysis (3)

Study of strategic behavior when parties have opposed, mixed, or similar interest; sequential and simultaneous move games, pure mixed strategies, various equilibrium concepts, and repeated games. PREREQUISITE: ECON 2020.

ECON 4620 - Mathematical Economics (3)

Introduction to way in which basic mathematical tools are used by economists; applications to consumer theory, production theory, market structures, macroeconomic theory. PREREQUISITE: ECON 2010, 3310, and one semester of calculus, or permission of instructor.

ECON 4740 - Health Care Economics (3)

Unique nature of health care as economic good, health care market and its participants including patients, physicians, and hospitals, and financing and delivery of personal health care in United States and other countries.

ECON 4766 - Econ/Poverty/Discrimination (3)

Measurement, causes, and consequences of poverty, as well as various policy solutions to poverty.

ECON 4767 - Controversial Topics/Economics (3)

Controversial topics relevant to modern economics from an interdisciplinary perspective and explore the role of psychology, sociology, and political science in economic theory and policy.

ECON 4810 - Quant Economics Analysis (3)

Introduction to application of mathematical tools in business and economics; review of matrix algebra, differential and integral calculus; optimization with and without constraints; comparative statistics.

ECON 4820 - Econometrics (3)

Introduction to statistical procedures used to estimate and test quantitative economic theories, using microcomputer software for regression analysis. PREREQUISITE: SCMS 2710 or MATH 1530 or equivalent as approved by instructor.

ECON 4910 - Problems in Economics (1-3)

Students investigate issues surrounding selected economic problems and develop reports of that investigation. May be repeated to maximum of 3 hours credit. PREREQUISITE: upper division standing and approval of department chair.

ECON 4911 - Internship in Economics (1-6)

Internship in business organization to gain on-the-job experience. Project to be approved and supervised by departmental faculty. Credit allowed only after acceptance of report. PREREQUISITE: 2.75 overall GPA and completed 15 hours in Upper Division core.

ECON 4920 - Senior Seminar in Economics (3)

Coordinated by area coordinator and conducted by selected members of area; integrate several fields and course areas pursued by undergraduate majors into meaningful whole.

ECON 4996 - Honors Thesis in Economics (3)

Independent research open only to students enrolled in Economics Honors Program. Honors thesis supervised by three-faculty committee selected by student and approved by Economics Honors Committee. PREREQUISITE: permission of Economics Honors Committee.

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FIR

(FIR) FINANCE, INSURANCE AND REAL ESTATE
Christine X. Jiang, Ph.D., Interim Chair
Room 402, Fogelman College of Business and Economics
Administration Building
<http://www.memphis.edu/finance/>

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FIR 4110-19. Special Topics. (3). Current topics in one of following areas: Finance, Insurance, Real Estate, or Business Law. Topics are varied and in online class listings. May be repeated once with change in topic area. PREREQUISITE: permission of instructor.

FIR 1510 - Basics of Personal Finance (3)

Analysis of personal financial decisions; evaluation of costs and benefits of decisions; rights and responsibilities as consumers; application to financial situations encountered in life.

FIR 2220 - Personal Financial Mgmt (3)

Non-technical dealing with broad areas of budgeting, insurance, borrowing and credit purchases, home ownership, investment, taxes, and family financial planning. NOTE: If taken after student has received credit for FIR 3710 or 3810, credit will not count for B.B.A. degree.

FIR 3220 - Personal Investing (3)

To assist individual investors of all backgrounds in development and monitoring of an investment portfolio by explaining possible investment alternatives including terminology and analysis techniques to fulfill future financial goals. NOTE: Open to all University students. NOTE: this course may not be counted toward fulfilling the requirements for the Finance major.

FIR 3310 - Real Estate Principles (3)

Basic terminology, principles and issues; market analysis, real estate law, instruments, legal descriptions, appraisal, investment, finance, brokerage, property management. Designed for non-real estate majors as well as a foundation for further study.

FIR 3410 - Financial Management (3)

Fundamentals of business finance; time value of money, capital budgeting techniques, securities valuation, and cost of capital. PREREQUISITE: ACCT 2020, ECON 2020, SCMS 2710 or MATH 1530.

FIR 3710 - Investments (3)

Principles of investment in stocks and bonds. Includes fundamental, economic, and

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technical analysis; measurable and unmeasurable aspects of risk; portfolio management; psychological aspects of the market. PREREQUISITE: FIR 3410.

FIR 3720 - Financial Markets (3)

Survey of important funds markets, institutions and characteristics peculiar to them; sources of supply of and demand for funds in each market, and complex interrelations among several markets analyzed. PREREQUISITE: FIR 3410.

FIR 3810 - Principles of Risk/Insurance (3)

Nature and handling of risk in personal and business situations; emphasis on property, liability and life exposures to loss. Designed for non-insurance major as well as a basis for advanced study.

FIR 4011 - Estate Planning and Law Tax (3)

Survey of law of taxation as applied to transmission of property by gift or death and its impact upon accumulations of wealth; estate planning from individual viewpoint designed to create, maintain, and distribute maximum estate possible.

FIR 4310 - Real Estate Law (3)

Law and legal instruments as applied to real estate; needs of property owners and those engaged in real estate business.

FIR 4320 - Real Estate Finance (3)

Terminology, legislation, principles, and analytical techniques pertaining to financing of real estate; perspective of lender, residential borrower, and income property borrower. PREREQUISITE: FIR 3410.

FIR 4331 - Stock Portfolio Mgmt (3)

Development and monitoring of investment portfolio by explaining possible investment alternatives; terminology and analysis techniques necessary to fulfill future financial goals. Undergraduate students will assist graduate students in managing a real equity portfolio of \$500,000.

FIR 4340 - Real Estate Appraisal (3)

Basic terminology, principles, procedures, and issues; nature of value, principles of value, appraisal process, market approach, cost approach, capitalization of income approach, gross rent multiplier approach, and appraisal reports.

FIR 4350 - Real Estate Investment (3)

Principles and practices reviewed and evaluated; investment strategy, ownership forms, tax implications, cash flow analysis, measures of return, risk management, and property selection.

FIR 4440 - Intermediate Managerial Fin (3)

Analytical approaches to firm's financial decisions; current asset management, capital budgeting, cost of capital, capital structure determination, and dividend policy. PREREQUISITE: FIR 3410.

FIR 4550 - International Finance (3)

Financing international trade and investments; foreign exchange markets and exchange rates; balance of payments; current developments in international financial cooperation. PREREQUISITE: FIR 3410.

FIR 4610 - Cases Managerial Finance (3)

Application of tools and principles introduced in previous courses to develop up-to-date problem solving techniques; cases approached from standpoint of top level management and utilize both quantitative and qualitative analysis. PREREQUISITE: FIR 4440.

FIR 4710 - Commercial Banking (3)

Study of bank management and bank regulation; examination of conditions that lead to bank regulation and conditions that caused deregulation; exploration of current theories of profitable bank operations. PREREQUISITE: FIR 3410.

FIR 4720 - Mgmt of Financial Institutions (3)

Exposure to financial policies and decision-making that are peculiar to financial institutions in United States; management of institutions consistent with adequate standards of liquidity and solvency. PREREQUISITE: FIR 3410, 3720.

FIR 4721 - Financial Derivative Markets (3)

(3770). Introduction to futures, options, forwards, and swaps (widely used by investment firms and corporations to manage financial risks), with primary emphasis on their practical application in financial and commodity markets. PREREQUISITE: FIR 3710.

FIR 4730 - Financial Anlys/Certification (3)

Preparation for careers in financial markets; development of investment skills for personal financial planning such as savings and retirement; certifications. PREREQUISITE:

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Management (MGMT)
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FIR 3410.

FIR 4770 - Security Analysis/Port Mgmt (3)

Development of techniques for finding actual worth of securities, primarily stocks and bonds; selection, timing, diversification, and other aspects of supervising investment funds. PREREQUISITE: FIR 3710.

FIR 4810 - Prop & Liability Insurance I (3)

Forms and functions of fire, marine, automobile, general liability and other types of property and liability insurance; emphasis on business and industrial applications.

FIR 4820 - Life and Health Insurance (3)

Functions of life and health insurance; emphasis on economic security needs, human behavior and the problems related to death and dying; individual life, health and annuity contracts and social insurance; concepts in risk selections and regulation.

FIR 4870 - Risk Management (3)

Addresses problems faced by risk managers encompassing traditional aspects of risk management and insurance including insurance, reinsurance, hedging and capital markets as tools to manage or mitigate risk. PREREQUISITE: FIR 3410.

FIR 4910 - Problems in FIR (1-3)

Student will carry on approved research projects in the major area under supervision of staff members. PREREQUISITE: senior standing and permission of department chair.

FIR 4911 - Internship in FIR (1-6)

Internship in business organization to gain on-the-job experience in real-life environment. Project to be approved and supervised by department faculty. Credit allowed only after acceptance of report. PREREQUISITE: 2.75 overall GPA and completed 15 hours in Upper Division core.

FIR 4996 - Senior Honors Thesis (3)

Independent research open only to those students enrolled in the honors program. Thesis supervised by area faculty member. PREREQUISITE: senior standing and permission of the Director of the College Honors Program.

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HPRM

(HPRM) HOSPITALITY AND RESORT MANAGEMENT
Kemmons Wilson School of Hospitality and Resort Management
RADESH PALAKURTHI, Ph.D., Director
Room 140D, Kemmons Wilson School of Hospitality and Resort Management
<http://wilson.memphis.edu/>

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HPRM 4950-59. Special Topics in Hospitality and Resort Management. (3). Topics are varied and in online class listings. May be repeated with a change in topic.
PREREQUISITE: permission of instructor.

HPRM 1050 - Business of Hospitality (3)
(2010). Varied aspects of lodging, food service, clubs, cruise lines, natural attractions, man-made attraction, transportation, infrastructure; retail businesses; sports; special events and activities; outfitters, tour operators, travel management; destination marketing organizations.

HPRM 2003 - Special Events (1)
Introduction to special events management and potential careers in this field. Hands on experience with special events while partnering with destination management company to work with planning and operations in multifaceted special events area.

HPRM 2004 - Distinguished Speakers (1)
Series of lectures from high ranking professionals from the hospitality industry in areas of lodging, food service and tourism.

HPRM 2006 - Professional Development (1)
Conducting a self-assessment; development of a resume and self promotion materials; presentation skills; social skills needed to obtain and retain career position; corporate communication skills.

HPRM 2007 - Resort Management (1)
Currents events and trends in the resort and tourism industry; impact of external publics on resort industry; identifying resort management decision-making tools.

HPRM 2011 - Hosp Ind Managerial Acct (3)
Presentation, interpretation, and analysis of internal and external hospitality financial reports affecting management decisions using Uniform Systems of Accounting.
PREREQUISITE: HPRM 1050.

HPRM 2050 - Food Production and Service (4)
Theory, application and understanding of safe food production methods and terminology;

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Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

culinary hand tools and equipment operation including knife usage; principles and applied fundamentals of property service techniques and beverage handling.
PREREQUISITE: HPRM 1050.

HPRM 2111 - Intr/Hospitality Industry Exper (1)
Introduction to internship requirement and development of job search skills.
PREREQUISITE: HPRM 1050 or permission of instructor.

HPRM 2330 - Managing Hotel/Resort Ops (3)
(3330). Management of critical resources for running hotel and resort operation in effective and efficient manner; customer services, service quality, and service delivery.

HPRM 2999 - Purchase/Hospitality Industry (1)
Purchasing in commercial restaurants, hotels, food service, contract food service, institutional food service, catering, quick service.

HPRM 3010 - Hospitality/Resort Colloquium (1)
Introduction to hospitality and resort industry; presentations and discussions by major industry professionals; students submission of a synopsis of each speaker's major points.
PREREQUISITE: junior-level standing.

HPRM 3050 - Food/Beverage Controls (3)
Fundamentals of food, beverage and labor control through menu planning, engineering and cost analysis. PREREQUISITE: HPRM 1050, 2050, ACCT 2010.

HPRM 3130 - Hospitality Law, Ethics & Risk (3)
Laws and regulations applicable to the ownership and operation of inns, hotels, motels, resorts, restaurants, bars, and other hospitality businesses; laws and regulations that influence business and management decisions in the hospitality industry; ethical issues involved in managing hospitality operations.

HPRM 3315 - Hospitality Human Resource Mgm (3)
Acquisition, utilization, and retention of human resources in hospitality industry; human resource planning, job analysis, recruitment, selection, orientation, training, development, motivation, associate relations, performance appraisal, legal issues.
PREREQUISITE: MGMT 3110.

HPRM 3320 - Hospitality Industry/Rev Mgmt (3)
Fundamental principles and concepts of revenue management including capacity management, duration control, revenue forecasting, discounting, displacement analysis, rate management, and dynamic pricing. PREREQUISITE: HPRM 2330, ACCT 2010.

HPRM 3340 - Prin of Social Media Commerce (3)
(Same as MKTG 3340). How social media impacts marketing strategy, brand development, return on investment, and other fundamental business concepts; using social media to effectively convey messages and engage constituents.

HPRM 3600 - Entertainment Management (3)
Fundamental standards, techniques, practices of club, cruise, gaming, theme park, special events management. PREREQUISITE: HPRM 1050.

HPRM 3911 - Pre-Internship in HPRM (1)
Focus on the requirements and process for applying and successfully completing an internship program at Kemmons Wilson School of Hospitality and Resort Management. Students will also learn about professionalism and resume writing skills. Prerequisite for HPRM 4991.

HPRM 4007 - Resort and Timeshare Mgmt (3)
Overview of dynamic resort and distinctive lodging industry; differences in core lodging competencies between resorts and traditional hotels, such as accounting and human resources.

HPRM 4111 - Prof Development/Hospitality (1)
Fundamental of resume preparation, interviewing styles and strategies, and business etiquette through professional development workshops and presentations from successful hospitality professionals. PREREQUISITE: HPRM 1050, 2111, senior standing in HPRM.

HPRM 4320 - Hospitality Services Mktg (3)
Principles and models of services marketing with focus on applications to hospitality services industry; expansion of traditional marketing mix variables into additional development of hospitality service concepts, marketing plans, and service quality assessments. PREREQUISITE: MKTG 3010.

HPRM 4322 - Adv Food/Beverage Management (3)
(Same as NUTR 4322). Foundations of managing restaurants and associated beverage

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operations; planning and control procedures, human resources management, customer service, marketing strategies, and emerging technologies; relationship between food and beverage operations and overall hospitality organization. PREREQUISITE: MGMT 3110, MKTG 3010, or permission of department chair.

HPRM 4331 - Adv Resort/Lodging Management (3)

Issues, theories, and best practices of resort and lodging industry. PREREQUISITE: HPRM 2330, MGMT 3110.

HPRM 4340 - Information Technology HPRM (3)

Framework for information technology, systems development methodologies, and strategic information systems planning; current issues relating to the hospitality industry; focus on using information technology in networked environment to achieve organizational goals and objectives.

HPRM 4350 - Properties Development/Planning (3)

Problems and opportunities inherent in developing and planning resort and hospitality facilities; sequence of property development, conceptual and space planning, design criteria, and construction management; establishing appropriate facilities requirements, understanding industry practices, and implementing properties decisions with integrated design, operations, financial and real estate framework.

HPRM 4400 - International Hospitality (3)

Issues, challenges and practices of global hospitality and tourism marketplace.

HPRM 4401 - Management of Tourism (3)

Tourism as a system; interaction of various parts of tourism; managers influence in tourism's success.

HPRM 4620 - Hospitality Operational Anlys (3)

Management tools in analyzing operational effectiveness of hotels and resorts. PREREQUISITE: HPRM 2330.

HPRM 4630 - Socl Com Strategies/Analytic (3)

(Same as MKTG 4630). Integrate social media techniques and trends into business strategy; recognize advanced principles of social value chain and interprise systems; formulate action plans to combine key social media networks and tools.

HPRM 4700 - Integrative Challenge (3)

Capstone course integrating academic and experiential learning through service learning projects building on leadership skills. PREREQUISITE: HPRM 4315, 4320.

HPRM 4910 - HPRM Problems (1-6)

Approved research projects with faculty supervision. PREREQUISITE: senior standing and permission of department chair.

HPRM 4911 - Hospitality Mgmt Internship (3)

Work-based learning course that enables students to develop practical skills, relate theory to practice and to gain a sound base of industrial experience by working, on a paid or voluntary basis, for an organization within the hospitality and tourism industry; develops practical competencies to assist in progressing toward a career in the hospitality industry. Students are expected to submit weekly reports and a final report as a requirement for this course. PREREQUISITE: HPRM 3911, Junior standing, and a minimum 2.7 GPA.

HPRM 4996 - Senior Honors Thesis (3)

Independent research open only to students enrolled in the Honors Program. Thesis supervised by area faculty member. PREREQUISITE: senior standing and and permission of the Director of the College Honors Program.

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MIS

(MIS) MANAGEMENT INFORMATION SYSTEMS
Department of Management Information Systems
Lloyd Brooks, Ed.D., Chair
Room 300, FCBE Administration Building
<http://www.memphis.edu/mis/>

Students must have earned a minimum of 45 credit hours and have met specific course prerequisites with a minimum grade of "C" to be eligible for all 3000 and 4000 level courses. In addition to these requirements, students seeking a degree in the Fogelman College of Business and Economics must have (1) completed all required lower division business courses with a minimum grade of "C" in each; (2) minimum of 2.25 GPA (2.5 for accounting majors) in all required lower division business courses and MATH 1830 or 1910, and (3) 45 hours of course work including MATH 1830 or 1910, COMM 2381 and 9 hours of English (See B.B.A. Degree Requirements-General Requirements).

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In addition to the courses below, the department may offer the following Special Topics courses:

MIS 4110-19. Special Topics in Management Information Systems. (3). Topics varied and announced in online class listings. PREREQUISITE: permission of instructor.

MIS 2749 - Foundation/Information Systems (3)

Introduction to major concepts in business information systems, including computer hardware, software, networks, databases, the Internet, and electronic commerce; emphasis on use of database and spreadsheet technologies to solve business problems.

MIS 2770 - Informtn Tech Infrastructure (3)

Focus on capabilities of IT infrastructure solutions in organizations; computer hardware and its interface with systems software, processor operation, data storage, I/O technologies, distributed applications and systems administration; business telecommunications concepts and terminology, network design and network management. PREREQUISITE: MIS 2749

MIS 2845 - Applied Program Develop I (3)

(3745). Introduction to business application programming; program development using languages and techniques widely employed in business environment. PREREQUISITE: MIS 2749.

MIS 3210 - Critical Thinking/Proj Mgmt (3)

Processes, methods, techniques and tools that organizations use to manage projects; focus on development of critical thinking through use of in-depth assignments that utilize project management fundamentals. PREREQUISITE: lower division business core completed.

MIS 3765 - E Commerce Business Applicatn (3)

Basic electronic commerce concepts applied within context of supply chain management. PREREQUISITE: MIS 2749.

MIS 3770 - System Analysis Methods (3)

Overview of systems development life cycle; emphasis on current systems documentation through use of classical and structured tools and techniques for describing process flows and data flows, data structures, file and input/output design and program specifications, data gathering and information reporting activities,

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Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
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Philosophy (PHIL)
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Political Science (POLS)
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transition from analysis to design. PREREQUISITE or COREQUISITE: MIS 3210.

MIS 3775 - Database/Inform Management (3)

Focus on designing programs written in a high-level language for business applications; selecting appropriate file organization; designing data models with electronic commerce implications; utilizing appropriate DBMS programs. PREREQUISITE or COREQUISITE: MIS 3210 or equivalent.

MIS 3790 - Enterprise Architecture (3)

Design, selection, implementation and management of enterprise IT solutions; applications and infrastructure and its fit with business; strategies and frameworks for application portfolio and infrastructure management. PREREQUISITE: MIS 2770, 2845. PREREQUISITE or COREQUISITE: MIS 3210.

MIS 3820 - Intro/Systems Testing (3)

Survey systems testing objectives, planning, techniques, and organizational options; basic concepts, terminology, and techniques of systems testing. PREREQUISITES: MIS 2845, 3770.

MIS 3821 - Advanced System Testing (3)

Systems testing techniques, automated systems testing, and the management of systems testing; advanced level of systems testing knowledge. PREREQUISITE: MIS 3820.

MIS 3845 - Mobile Application Development (3)

Intermediate level business application program development using languages and techniques widely employed in business environment. PREREQUISITE: MIS 2845, or equivalent.

MIS 3885 - Strategic IT Project Mgmt (3)

Principles, process, tools of modern project management; general business project management and information technology specific project management; strategic implications of project management to organizational strategy; use of currently available project management software tools to successfully plan and execute projects. PREREQUISITE: MGMT 3110.

MIS 3886 - Project Mgmt Tools/Lead (3)

Computer-based project management tools and project management leadership roles and techniques. PREREQUISITE or COREQUISITE: MIS 3885.

MIS 4310 - Global Info Technology (3)

Technology to facilitate the practice of global business; uses of systems and technology to gain and sustain competitive advantage; cultural and political aspects of global enterprise.

MIS 4760 - Web Site Development (3)

Design, development, implementation and evaluation of business Web sites; global design and implementation issues. PREREQUISITE: MIS 2845.

MIS 4800 - Strategy/Mgmt/Acquisition (3)

Explores acquisition, development, and implementation of plans and policies to achieve efficient and effective information systems; investigates issues and approaches in managing the IS function and how IS function supports and enables organizational capabilities and strategies. PREREQUISITE: MIS 3770, 3775, 3790.

MIS 4845 - Application Prog Database III (3)

Advanced programming of business applications using current high level languages and techniques widely employed in business environment. PREREQUISITE: MIS 2845, or equivalent.

MIS 4910 - Mgmt Info Sys Problems (1-3)

Approved research projects in student's major area under supervision of staff members. PREREQUISITE: senior standing and permission of department chair.

MIS 4911 - Internship in MIS (1-6)

Internship in business organization to gain on-the-job experience. Project approved and supervised by area faculty. Credit allowed only after acceptance of report. PREREQUISITE: 2.75 overall GPA and completed 15 hours in Upper Division core.

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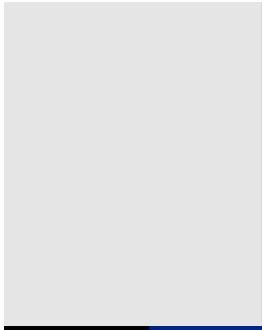
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Charles A. Pierce, Ph.D., Interim Chair
Room 202, FCBE Administration Building
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MGMT 1010 - Intro to Business (2)

Acquaintance with major institutions and practices in business and coverage of elementary concepts of business; survey of functional areas of business and the activities of management; orientation for selection of major and information on business career opportunities. NOTE: if taken by students with 50 hours or more, credit will not count for B.B.A. degree.

MGMT 1011 - Intro to Management Lab (1)

Series of field trips, service learning project and other experiences related to hospitality and resort management; tour of property, management overview, decision making areas, Business Control Points. COREQUISITE: MGMT 1010.

MGMT 2820 - Intro to Entrepreneurship (3)

This course is designed to empower students to think globally; identify distinct competencies locally; develop a personal mission statement; explain individual pathways by some of the leading entrepreneurs; identify opportunities for aspiring entrepreneurs; eliminate roadblocks to creativity; create outline to launch your own business.

MGMT 3110 - Organization and Mgmt (3)

Comprehensive survey of management functions, basic concepts, and management principles; coverage of planning and decision making, organizing, directing, and controlling; coordination of organizational resources to achieve objectives.

MGMT 3215 - Mgmt of Human Resources (3)

Personnel functions and basic concepts; human resource planning, job analysis, staffing, development, compensation, employee/labor relations, health and safety, industrial employee union representation, and impact of the EEO legislation.

MGMT 3510 - Business Communications (3)

Communication theory applied to business and the professions; emphasis on effective writing; presentation of written and oral case solutions, letters, memoranda, reports, and employment applications; selection and use of research sources; consideration of

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business ethics, technology, and intercultural communication. PREREQUISITE: MIS 2749, or equivalent.

MGMT 3812 - Managing Employee Wellness (3)

Employee's health and wellness, work behavior, and value of human capital in organizations. PREREQUISITE: MGMT 3110.

MGMT 4240 - Compensation Perform Appraisal (3)

Systematic examination of administration of wage and salary as tool of management; use of job descriptions, job analysis, and job evaluation methods, instruction in techniques of rationalizing wage structures; analyses of some outstanding considerations that must be taken into account in installing and administering wage programs are made. PREREQUISITE: MGMT 3110, 3215, 3510.

MGMT 4251 - Employee Relations (3)

Theories and practices in employee relations and manager's role in building and maintaining positive employee relationships; development of skills in conflict resolution and negotiation in human resource and management context; understanding labor unions, union organizing, and collective bargaining process; examination of ethical and legal issues relevant to employee relations. PREREQUISITE: MGMT 3110, 3215, 3510.

MGMT 4260 - Employee Staff/Devlpmnt (3)

Examination of processes related to recruiting, selecting, and developing qualified persons for employment in organizations; determination of staffing needs, recruitment of a sufficient applicant pool, utilization of selection tools, and offering orientation training programs for employee development; emphasis on legal context of selection decisions. PREREQUISITE: MGMT 3110, 3215, 3510.

MGMT 4420 - Orgnztl Behavior in Business (3)

Human relations as applied to people at work in all kinds of organizations; emphasis on understanding of human behavior and motivation of employees to work together in greater harmony; fundamentals of organizational behavior, leadership and its development, organizational environment, and communication and group processes. PREREQUISITE: MGMT 3110, 3510.

MGMT 4461 - Managerial Leadership (3)

In-depth examination of leadership in business organizations; critical evaluation of the meaning and practice of leadership; coverage of philosophy, psychology, and the process of leadership, including the process functions of creating vision, use of power and influence, being effective, and applying wisdom. PREREQUISITE: MGMT 3110, 3510.

MGMT 4481 - Teamwork/Group Dyn/Org (3)

Process of group dynamics in organizations and development of groups into high performing teams; emphasis on most effective context for team formation; selection process of team members and roles these members play in team's success; development of individual and team competencies; managing conflict within a team; particular challenges that necessary utilization of virtual and dispersed teams pose to organizational performance. PREREQUISITE: MGMT 3110 and 3510.

MGMT 4510 - Interntl Business Communictn (3)

Importance of business communication in conducting global business effectively; emphasis on organizational and interpersonal communication and negotiation skills needed in an integrated world economy; culture-based assumptions, contrasting cultural values, communication and negotiation strategies, verbal and nonverbal patterns, cultural shock, and country specific information. PREREQUISITE: MGMT 3510.

MGMT 4710 - Strategic Mgmt (3)

Advanced problems in determination, execution, and control of strategic management process in light of changing environments in which organizations operate. PREREQUISITE: MGMT 3110, 3510, and senior standing in The Fogelman College of Business and Economics. Enrollment limited to graduating seniors.

MGMT 4810 - International Mgmt (3)

Introduction to issues in international business and exploration of environment facing firms in international arena; problems in planning, implementing, and controlling activities such as choosing foreign associates, selecting plant location, and dealing with labor, structure, legal constraints, and trade problems. PREREQUISITE: MGMT 3110, 3510.

MGMT 4820 - Entrepreneurship (3)

Initiation process of new business venture. Participants as teams develop detailed development plan covering all phases of business initiation and development. PREREQUISITE: MGMT 3110, 3510.

MGMT 4850 - Global Cities/Global Sport Ind (3)

Synergies and disjunctures among U. S. and global marketplaces; sporting industries as

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sites to address roles that cities play within global infrastructure; cultural, social, economic and technological flows that are vital for understanding global commerce, specifically within global sporting industries. PREREQUISITE: student must participate in the Sport, Commerce & Culture in the Global Marketplace study abroad program.

MGMT 4860 - Internl Mgmt/Sport Industry (3)

Critical understanding of international management located in the context of the global sporting industries. PREREQUISITE: student must participate in the Sport, Commerce & Culture in the Global Marketplace study abroad program.

MGMT 4910 - Management Problems (1-3)

Student conducts approved research projects in his or her major area under supervision of staff members. PREREQUISITE: senior standing and permission of department chair.

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MKTG

(MKTG) MARKETING

Department of Marketing and Supply Chain Management

Marla Royné Stafford, Ph.D., Chair

Room 302 FCBE Administration Building

<http://www.memphis.edu/marketing/>

Students must have earned a minimum of 45 credit hours and have met specific course prerequisites with a minimum grade of "C" to be eligible for all 3000 and 4000 level courses. In addition to these requirements, students seeking a degree in the Fogelman College of Business and Economics must have (1) completed all required lower division business courses with a minimum grade of "C" in each; (2) minimum of 2.25 GPA (2.5 for accounting majors) in all required lower division business courses and MATH 1830 or 1910, and (3) 45 hours of course work including MATH 1830 or 1910, COMM 2381 and 9 hours of English (See B.B.A. Degree Requirements-General Requirements).

A surcharge of \$30 per credit hour for 3000 and 4000 level courses and \$30 per credit hour for 6000-9000 level courses has been approved by the Tennessee Board of Regents. The purpose of the surcharge on these business courses is to guarantee the continuous improvement of the college and compliance with the standards of the Association to Advance Collegiate Schools of Business International (AACSB International).

In addition to the courses below, the department may offer the following Special Topics courses:

MKTG 4920-29. Special Topics in Marketing. (3). Topics are varied and in online class listings. May be repeated for a maximum of 6 hours credit with change in topic. PREREQUISITE: permission of department chair.

MKTG 3010 - Principles of Marketing (3)

Comprehensive study of structure and functions of marketing system in the firm, economy, and society; analysis of target markets, environments, and managerial aspects of marketing practices.

MKTG 3012 - Consumer Behavior (3)

Why consumers behave as they do; the consumer decision process including internal and external influences, organizational buying, and marketing regulation. PREREQUISITE: MKTG 3010.

MKTG 3140 - Advertising/Sales Promotion (3)

Introduction to field of advertising including agencies, media, layout, copy, typography; emphasis on various media associated with sales promotion and on need to coordinate entire promotional mix. PREREQUISITE: MKTG 3010.

MKTG 3320 - Retailing Fundamentals (3)

Changing concepts of retailing from management viewpoint; principles that underlie successful operation of enterprises distributing products and services to ultimate consumers. PREREQUISITE: MKTG 3010.

MKTG 3340 - Prin of Social Media Commerce (3)

(Same as HPRM 3340). How social media impacts marketing strategy, brand development, return on investment, and other fundamental business concepts; using social media to effectively convey messages and engage constituents.

MKTG 3410 - Build Buyer/Seller Relations (3)

Basics of selling skills; the partnership process, ethics, buying behavior, communications, building relationships, managing time, territory, and career with video situations and role playing self-observations.

MKTG 4080 - Marketing Research (3)

Course Descriptions

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African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
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Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
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Foreign Languages and Literatures

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Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

Research methods and procedures used in marketing to solve business problems; traditional and innovative research designs, sampling, data analysis, dissemination of results; applications of analytical techniques; confidence intervals, hypothesis testing, correlation/regression, and analysis of variance. PREREQUISITE: SCMS 3711 and MKTG 3010.

MKTG 4230 - Services Marketing (3)

Broadens and applies marketing concepts and techniques in services industries and compares to tangible goods marketing, all within the framework of total quality management.

MKTG 4410 - Sales Management (3)

Sales management functions of recruiting and hiring, training and assimilating, planning, controlling and motivating, and sales analysis; role of personal selling in promotional mix and sales objectives of management. PREREQUISITE: MKTG 3010, 3410, and senior standing.

MKTG 4411 - Sales Internship (3)

Internship in sales or sales-related position in an organization to gain on-the-job experience in preparing for successful sales jobs or careers. Project to be approved and supervised by department faculty. Credit for course allowed only after acceptance of student's written report. PREREQUISITE: MKTG 3410, 2.5 overall GPA, and completion of 15 hours of upper division core.

MKTG 4470 - Negotiation Skills (3)

Fundamental skills in negotiation process, including types, planning and strategies; emphasis on communication, relationships, cross-cultural, multiple parties, power, and ethics across a variety of settings.

MKTG 4530 - International Marketing (3)

Bases and promotion of foreign trade; international marketing organizations and methods; technical and financial features of international marketing. PREREQUISITE: MKTG 3010.

MKTG 4611 - Social Com Internship/Pract (3)

Applications of social media in a professional setting in small businesses, large corporations, entrepreneurs and non-profits. PREREQUISITES: MKTG 3010, MGMT 3110, minimum 2.5 GPA, permission of Department Chair.

MKTG 4630 - Social Comm Strategies (3)

Integrate social media techniques and trends into business strategy; recognize the advanced principles of social value chain and enterprise systems; formulate action plans to combine key social media networks and tools.

MKTG 4901 - Mgmt of Mktg Strategies (3)

Comprehensive application of the study of marketing strategies; business application case analyses; strategy development, and implementation using computer simulation. Student should take in final semester. PREREQUISITE: MKTG 3012 and 4080.

MKTG 4910 - Problems in Marketing (1-3)

Students carry on approved research projects in their major area under supervision of staff member. PREREQUISITE: senior standing and permission of department chair.

MKTG 4911 - Marketing Internship (1-6)

Internship work in a company to gain on-the-job experience of learning; how marketing is used in a business. Project must be approved and supervised by a Marketing faculty member. Credit is allowed only after acceptance of the student and faculty member agreed evaluation method. PREREQUISITE: 2.75 overall GPA and completion of 15 hours of upper division core.

MKTG 4996 - Senior Honors Thesis (3)

Independent research open only to those students enrolled in the Honors Program. Thesis supervised by area faculty member. PREREQUISITE: senior standing and permission of the Director of the College Honors Program.

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Theatre (THEA)

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Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
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Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

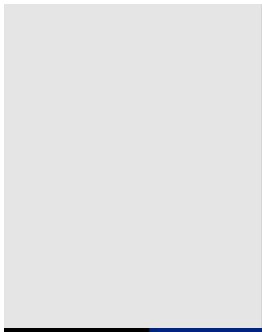
Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
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Electrical and Computer Engineering (EECE)
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Mechanical Engineering (MECH)
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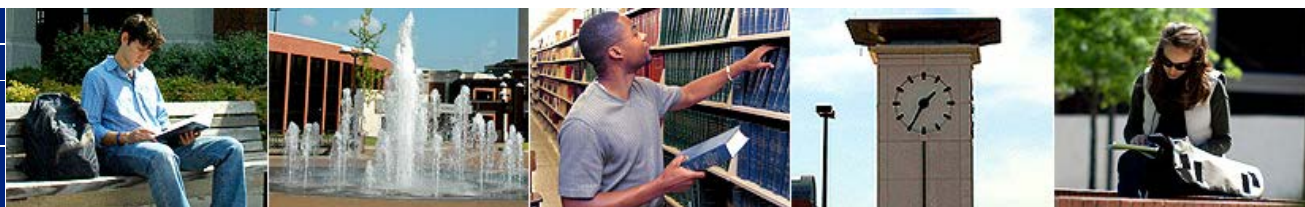
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ARCH

(ARCH) ARCHITECTURE Department of Architecture
Michael D. Hagge, M.Arch., Chair
Room 404, Jones Hall
<http://architecture.memphis.edu>

Additional fees are charged for Architecture courses. See the online class listings or the Expenses section of the Catalog.

ARCH 4510-19. Special Topics. (1-3). Varied topics in online class listings. May be repeated by permission for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

ARCH 1111 - Fundamentals of Design Studio (3)

Visual perception, principles and systems of order that inform two and three dimensional design, architectural composition and urban design; basic architectural principles used in design of building, interior spaces and sites. PREREQUISITE: ARCH 1120.

ARCH 1112 - Architecture Graphics Studio (3)

Graphic communication principles in architecture; mechanical drawing skills; introduction to digital presentation techniques; architectural modeling; orthographic and paraline projections; graphics reproduction techniques. PREREQUISITE: ARCH 1111, 1211 1120. COREQUISITE: ARCH 1113, 1212, 1411.

ARCH 1113 - Design Visualization (3)

Freehand drawing skills for designers; perception-based drawing and concept ideation; principles of one and two point perspective; use of light, shade and shadow in representation of architectural forms and spaces. PREREQUISITE: ARCH 1111. COREQUISITE: ARCH 1112.

ARCH 1120 - Intro to Architecture + Design (3)

Fundamental principles of architecture and design; sustainability, historical, cultural, theoretical aspects of architecture and design; architecture and interior design profession values, ethics.

ARCH 1211 - History of Architecture 1 (3)

Major trends in architecture from prehistoric times to Renaissance; emphasis on impact of technological and social changes on prevailing architectural styles.

ARCH 1212 - History of Architecture 2 (3)

Major trends in architecture from Renaissance to present; emphasis on pre-1900 era; development of architecture through cultural and technological change. PREREQUISITE: ARCH 1211.

ARCH 1411 - Building Technology 1 (3)

Building types and building systems; emphasis on the effect of scale, materials, assembly systems and detail methods upon architectural design; drafting of details included. PREREQUISITE/COREQUISITE: ARCH 1112.

ARCH 2311 - Structural Concepts (3)

Introduction to analysis and design of building systems and impact of these systems based upon fundamental principles of mechanics; force systems, equilibrium; axial, shear, bending stress theory; stress diagrams, buckling, strain and deformation related to building load requirements of structural systems within architectural forms. PREREQUISITE: PHYS 2010/2011.

ARCH 2412 - Building Technology 2 (3)

Advanced study of building types and building systems; material and their properties as

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Economics (ECON)

related to architecture; drafting of details included. PREREQUISITE: ARCH 1411.

ARCH 2611 - Computer Apps in Design 1 (3)

Computer aided drafting and design applications to produce computer generated architectural design and working drawings. PREREQUISITE: ARCH 1112.

ARCH 2612 - Computer Apps in Design 2 (3)

Advanced concepts of computer generated drawings including utilization of third party software for special applications, 3-D building studies, site development. PREREQUISITE: ARCH 2611, or equivalent.

ARCH 2711 - Architecture Design Studio 1 (5)

Projects to introduce architectural precedents, typology, form, space, order, meaning, and place; understanding of specific cultural, social and physical contexts of architecture. PREREQUISITE: ARCH 1112. COREQUISITE: ARCH 2412, 2611.

ARCH 2712 - Architecture Design Studio 2 (5)

Integration of concepts and methods as applied to building types, design, construction, and systems with a focus on regionalism; site analysis and development of design solutions integrating formally expressive visual ideas and functionally adept planning and design concepts. PREREQUISITE: ARCH 2711. COREQUISITE: ARCH 2311, 2612.

ARCH 3312 - Structures 2 (3)

Fundamentals of structural design and analysis of steel and timber buildings and building components. PREREQUISITE: ARCH 2311.

ARCH 3313 - Structures 3 (3)

Fundamentals of structural design and analysis of concrete buildings and building components. PREREQUISITE: ARCH 2311.

ARCH 3421 - Environmental Systems (3)

Studies in environmental technologies in architecture; mechanical systems, plumbing, electrical and energy conservation. COREQUISITE: Architecture majors ARCH 3713; Interior Design majors IDES 3711.

ARCH 3431 - Professional Practice (3)

Professional services; ethics; building programming; building codes; construction documents; cost estimating. PREREQUISITE: Architecture majors ARCH 3713; Interior Design majors IDES 3711.

ARCH 3713 - Architecture Design Studio 3 (5)

Integrative design strategies that engage programmatic, contextual, and constructed dimensions of architecture and its representations with a focus on environmental and sustainable issues. PREREQUISITE: ARCH 2612, 2712. COREQUISITE: ARCH 3312, 3421.

ARCH 3714 - Architecture Design Studio 4 (5)

Integration of design determinants; selection and design of structural systems, environmental systems, materials, and connections for large and small scale buildings. PREREQUISITE: ARCH 3713. COREQUISITE: ARCH 3313, 3431.

ARCH 4021 - Architecture Independent Study (1-3)

Independent research in selected area of architecture under supervision of architecture faculty. May be repeated for a maximum of 6 credit hours. PREREQUISITE: permission of instructor. (A-F, IP)

ARCH 4022 - Architecture+Urbanism Seminar (3)

Review of contemporary concepts in architectural design in context of urban environment; attitudes and phenomena which have led to the making of particular culture of our time and their impact on the built environment. PREREQUISITE: permission of instructor.

ARCH 4023 - Urban Design Seminar (3)

Comprehensive overview of significant issues of contemporary urban design; emphasis on experimental nature of cities; role of the architect in urban design. PREREQUISITE: permission of instructor.

ARCH 4221 - Determinants of Modern Design (3)

Significant works of architecture and urban design from 1900 to present; focus on Europe, United States, non-Western world; examination of architecture as a mode of cultural production in relation to its aesthetic. PREREQUISITE: ARCH 1211, 1212, or equivalent.

ARCH 4231 - Issues in City Building (3)

Review of historical and contemporary issues in architecture, urban design, planning, and real estate development within the context of urban environment. PREREQUISITE: permission of instructor.

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Engineering (ENGR)

Mechanical Engineering (MECH)

Technology (TECH)

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ARCH 4421 - Sustainable Design (3)

Principles of sustainable design as it relates to architecture and interior design. Topics include successful integration of sustainable design principles into building solutions; systematic evaluation of various design strategies in order to determine the most appropriate application. PREREQUISITE: permission of instructor.

ARCH 4430 - Internship in Architecture (1-6)

Experiential learning to be achieved through an approved work assignment with a design firm, appropriate public or private entity, or a Department of Architecture faculty member. PREREQUISITE: permission of instructor.

ARCH 4441 - Construction Documents (3)

Construction drawings and specifications; document organization and integration of building systems; graphics conventions; structural and architectural detailing. PREREQUISITE: ARCH 2612, or equivalent, 3312, 3313, 3714.

ARCH 4451 - Site/Environmental Planning (3)

Building sites; selection and utilization, including environmental influences; technical aspects such as zoning, contour lines, parking, ingress/egress, site drainage, building location and sustainable design. PREREQUISITE: permission of instructor.

ARCH 4613 - Computer Apps in Design 3 (3)

Advanced design, modeling, analytical concepts using various computer software programs. PREREQUISITE: permission of instructor.

ARCH 4715 - Architecture Design Studio 5 (5)

Assessment, selection, integration of structural systems, building envelop systems, environmental systems, life-safety systems, building service systems into a comprehensive building design. PREREQUISITE: ARCH 3714. COREQUISITE: ARCH 4441.

ARCH 4716 - Architecture Design Studio 6 (5)

Issues of urban design; role of architecture in creating livable, sustainable cities; built environment and urban condition. PREREQUISITE: ARCH 4715. COREQUISITE: ARCH 4930.

ARCH 4811 - Parameter/Architecture Studio (3-6)

Comprehensive overview of differences and relationships of history, technology, and culture in terms of impact on architecture and urban design; concepts of form generation and historic dimensions of architecture with respect to human settlement. May be repeated for a maximum of 6 hours credit when topic varies. PREREQUISITE: permission of instructor.

ARCH 4812 - Furniture Design Studio (4)

Examination of historical precedents in modern style and place of furniture in architecture; design philosophy, expression of materials, construction. PREREQUISITE: permission of instructor.

ARCH 4821 - Urban Design Studio (6)

Comprehensive overview of significant issues of contemporary urban design; emphasis on experiential nature of cities, role of public policy, and genesis and development of urban building types. PREREQUISITE: permission of instructor.

ARCH 4822 - Architecture/Urbanism Studio (6)

Advanced design studio for identifying needs, resources, and operational methodologies across an expanded range of environmental scales; methods for identification of socio-cultural needs and coordination of complex variables, information, resources, leading to conceptualization and development of design of components of built environment.

ARCH 4833 - Architectural Illustration (3)

Basics of phenomenological theory as it applies to design communication; techniques of observational analysis; skills in applied color theory, perspective drawing, compositional refinement, and characteristics of materials and light; precedents of representation; graphic and verbal presentation. PREREQUISITE: permission of instructor.

ARCH 4841 - Studio Study Abroad (3-9)

Comparative studies of cultures; relationships of culture to physical environment, organization of cities; history and behavior of inhabitants; analysis and documentation of elements of physical environment and relationship between buildings and urban fabric. PREREQUISITE: permission of instructor.

ARCH 4930 - Senior Thesis (3)

Study and research in specific area culminating in an integrating experience through individual and/or group projects and technical reports. PREREQUISITE: ARCH 4715. (A-F, IP)

ARCH 4931 - Senior Thesis Seminar (1)**University College**

Family and Consumer Science (CSED)
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Independent Programs

Orientation Program (ACAD)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)
Interdisciplinary Studies (INTD)

Study and research in a specific area culminating in an integrating experience through individual project; research techniques, preliminary research and conceptual development of architectural project; site analysis and selection, case studies; development of Thesis proposal. PREREQUISITE: permission of instructor.

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ART

(ART) ART

Richard A. Lou, M.F.A., Chair
Room 201, Jones Hall
<http://deptart.memphis.edu/>

Transfer students seeking advanced standing in art are required to submit a portfolio.

In addition to specific prerequisites, junior standing or permission of the instructor is a prerequisite for all 3000 and 4000 level courses in the Department of Art.

Additional fees are charged for some Art courses. See the online class listings or the Expenses section of the Catalog.

In addition to the courses below, the department may offer the following Special Topics courses:

ART 4010-19. Special Topics in Studio Art. (1-3). Topics are varied and in online class listings. May be repeated for a maximum of 9 hours credit when topic varies.

ART 4020-29. Special Topics In Art Education. (1-3). Topics are varied and in online class listings. May be repeated for a maximum of 9 hours credit when topic varies.

ART 1030 - Intro to Art (3)

Fundamental principles of artistic expression as basis for understanding Western and non-Western traditions in the visual arts. [G]

ART 1210 - Foundations Studio I (3)

Methods of studio practice including research, creative problem solving, idea development, collaborative operations, integration of digital technology, engagement with readings in contemporary art criticism and historical and critical texts; emphasis on development of independent projects and critical and verbal skill development.

ART 1215 - Foundations Studio II (3)

Exploration of design elements and principles as applied to development of two and three dimensional construction; imaginative and fundamental use of materials in visual problem solving. PREREQUISITE: ART 1210.

ART 1311 - Drawing I (3)

(TBR: ARTP 1010). Introduction to materials and techniques of basic drawing; study of still life, rendering of the human form including work from skeleton and from female and male nude models to develop perception of line, value, space, and volume; use of contour and gesture.

ART 1314 - Drawing II (3)

(TBR: ARTP 1020). Use of basic drawing materials and techniques; analysis and rendering of the human form, still-life, architectural space and landscape; work from skeleton and from female or male models; study of anatomy and proportion; introduction to issues of expression; continued study of perspective; introduction to alternative drawing approaches. PREREQUISITE: ART 1311.

ART 2213 - Typographic Design I (3)

Terminology, technology, and design aspects of typography for effective communication. PREREQUISITE: ART 1210 and Acceptable Incoming Evaluation for Graphic Design.

ART 2219 - Visual Thinking (3)

Fundamental methods in generating ideas for effective visual communication. PREREQUISITE: ART 1210, 1311, and Acceptable Incoming Evaluation for Graphic Design.

ART 2223 - Computer Assisted Graphic Des (3)

Introduction to computer graphic design; overview of technical and aesthetic issues

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relevant to graphic design profession.

ART 2301 - Digital Art I (3)

Introduction to computer graphics and its application in field of Art; use of standard hardware and software to solve creative problems; exploration of current issues and computer history. PREREQUISITE: ART 1210, 1311, or permission of instructor.

ART 2305 - Princ Time/Based Media (3)

Study of various principles and techniques applied by cinematographers, film editors and designers to plan and produce time-based media; storyboarding and effective use of animation and sound.

ART 2331 - Painting I (3)

Preliminary course in theory and practice of oil painting. PREREQUISITE: ART 1210, 1311, or permission of instructor.

ART 2351 - Intro to Printmaking (3)

Printmaking processes: relief, intaglio, planography, and stencil, focusing on relief and screen printing. PREREQUISITE: ART 1210, 1311, or permission of instructor.

ART 2352 - Intro Intaglio/Lithography (3)

Monochrome metal plate intaglio and stone lithography. Intaglio includes etching, engraving, and aquatint; lithography includes crayon, wash, and transfer; emphasis on personal expression. PREREQUISITE: ART 1210, 1311, or permission of instructor.

ART 2511 - Sculpture I (3)

Introduction to basic materials and techniques of sculpture. PREREQUISITE: ART 1215 or permission of instructor.

ART 2523 - Ceramics I (3)

Introduction to clay and ceramic process; emphasis on thoughtful, purposeful exploration of medium, regarding both pottery vessel and nonvessel object.

ART 2701 - Photography I (3)

Basic techniques and processes of black and white still photography; history and aesthetics of photography as fine art; emphasis on personalized perception and seeing photographically.

ART 2702 - Photography II (3)

Exploration of black and white still photography as means to personal expressive statement and self-discovery; assignments emphasize a broad range of contemporary photographic practice. PREREQUISITE: ART 2701 or permission of instructor.

ART 3204 - Residential Kitchen Planning (3)

(Same as CSED 3204). Socioeconomics and design aspects of housing; kitchen planning principles: selection, use, and care of household equipment. PREREQUISITE: CSED 2104.

ART 3213 - Typographic Design II (3)

Advanced problems involving visual organization and typography as an expressive design element. PREREQUISITE: Admission to Graphic Design concentration.

ART 3219 - Image Design (3)

Strategies, processes and techniques for integrating verbal and visual messages in graphic communications; illustration and computer imaging. PREREQUISITE: Admission Graphic Design concentration.

ART 3222 - Graphic Design Method (3)

Emphasis on intellectual processes underlying applied design. PREREQUISITE: Admission to Graphic Design concentration.

ART 3227 - Electronic Pre-Press Prod (3)

Methods of preparing art for reproduction. PREREQUISITE: ART 3222.

ART 3236 - Interior Design Media Practica (3)

Use of black-white and color media for one and two-point perspective illustration; assignments in line, texture, shade-shadow, volume, color, freehand drawing and drafting. PREREQUISITE: ART 1234, 1235.

ART 3313 - Drawing And Composition (3)

(2313). Problems in visual communication; emphasis on compositional and technical considerations; analytical and objective investigations of organizational problems; use of varied graphic media and methods. PREREQUISITE: ART 1311 and 1314, or permission of instructor.

ART 3314 - Drawing And Concepts (3)

Problems in visual communication; emphasis on personal expression; conceptual and

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subjective investigation of individual problem-solving strategies; use of varied graphic media and methods. PREREQUISITE: ART 2313 or permission of instructor.

ART 3332 - Painting II (3)

Continuation of ART 2331; still-life, landscape, and portrait painting.

ART 3351 - Intaglio Printmaking (3)

In-depth study of metal plate intaglio printmaking processes: engraving, drypoint, etching, aquatint, and color intaglio; mixed media; emphasizes personal expression. PREREQUISITE: ART 2352 or permission of instructor.

ART 3352 - Lithography (3)

In-depth study of lithography in monochrome and color from stone and aluminum plates; mixed media color printing; emphasizes personal expression. PREREQUISITE: ART 2352 or permission of instructor.

ART 3411 - Art for Children (3)

Introduction to skills and methods for instructional art programs in studio and art appreciation activities; emphasis on materials and ideas for children's art expression and development.

ART 3414 - Primary School Art Practicum (1)

Observation and art teaching in a local K-4 classroom; campus based seminars. PREREQUISITE: Art major and permission of instructor. (S/U).

ART 3416 - Middle School Art Practicum (1)

Observation and art teaching in a local 5-8 classroom; campus based seminars. PREREQUISITE: Art major and permission of instructor. (S/U).

ART 3423 - Art Secondary Schools (3)

Studio activities and related art education issues relevant to the artistic development of adolescents; emphasizes multicultural concerns and art evaluation systems. PREREQUISITE: ART 3411, ARTH 2101, 2102, or permission of instructor.

ART 3511 - Sculpture II (3)

Problems of sculptural form as expressed in metal, wood, and related materials.

ART 3512 - Sculpture III (3)

Continuation of ART 3511; emphasis on techniques.

ART 3522 - Kilns/Glazes/Tech Skill (3)

Further development and experimentation with technical skills; firing kilns, glaze preparation, technical and visual research. PREREQUISITE: ART 1210, 1311, and 2523.

ART 3524 - Ceramics II (3)

Some consideration to fundamental historical and aesthetic aspects peculiar to ceramics as a studio medium. PREREQUISITE: ART 3522, or permission of instructor.

ART 3701 - Photography III (3)

Continuation of ART 2702. Closer examination of several key photographers' work as point of departure for student work; how student work relates to traditions. PREREQUISITE: ART 2702, or permission of instructor.

ART 4016 - Photography Lab Mgmt (1)

Maintain an analogue photography lab; mix chemistry for printing and developing; calibrate and maintain photography lab equipment.

ART 4209 - Digital/Motion Typogrpghy (3)

Aesthetic and technical issues for effective typographic communication in electronic media; emphasis on relationship of form to content; special consideration of time-based presentation and impact of electronic interface.

ART 4211 - Writing/Design Process (3)

Synthesis of verbal and visual problem-solving methods and the use of writing as integral phase of design process. PREREQUISITE: ART 3213, 3222, or permission of instructor.

ART 4221 - Graphic Design/Print Comm (3)

Practical problems in areas of publication, information, corporate and promotional design. PREREQUISITES: ART 3213, 3222, or permission of instructor.

ART 4222 - Interactive Mltimed/Graphic Des (3)

Introduction to time-based, electronic media in graphic design, impact of electronic interface on visual communication; emphasis on visual design of narrative, commercial and/or educational multimedia presentations on computer. PREREQUISITE: ART 2223 and admission to Graphic Design concentration.

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ART 4223 - Special Studies/Graphic Des (3-12)

Advanced instruction in either electronic imaging, typography and publication design, 3-dimensional design, corporate and promotional design, or information graphic design. May be repeated for a maximum of 12 hours credit when topic varies. PREREQUISITE: ART 3213, 3222, or permission of instructor.

ART 4224 - History Graphic Design (3)

Cultural, theoretical, and stylistic aspects of major movements in the field of graphic design in Europe and America from Industrial Revolution to present. PREREQUISITE: Admission to Graphic Design concentration or permission of instructor.

ART 4230 - Graphic Design Internship (3)

Practical experience in visual communication within approved professional work environment. PREREQUISITE: ART 4221 and recommendation from advisor.

ART 4232 - Visual Design Business Practice (3)

Application of principles, procedures, and business practices of visual design. PREREQUISITE: junior standing or permission of instructor.

ART 4233 - Design Practice Studio (3)

Work under faculty supervision on projects for institutional and corporate clients; assist in developing publications, exhibits, signage and other graphics, and participate in professional design process from project inception to completion. May be repeated for a maximum of 12 hours credit with approval of advisor, but not for the purpose of improving a grade previously earned. PREREQUISITE: senior standing. Admission by portfolio review only.

ART 4235 - Graphic Design Portfolio (3)

Methodology and techniques in graphic design applied to an extended visual communication project; written proposal, preparation of comprehensive layouts and oral/visual presentation of project. PREREQUISITE: art major with concentration in graphic design and senior status.

ART 4314 - Art of the Book (3)

Comprehensive study of skills and processes involved on design of traditional and non-traditional book formats; investigation of history of the book, book as aesthetic object and as vehicle for creative expression. PREREQUISITE: ART 3313, 3314, or permission of instructor.

ART 4321 - Drawing and Painting I (3)

Advanced drawing and painting methods; emphasis on transparent watercolor. PREREQUISITE: ART 3313, or permission of instructor.

ART 4322 - Drawing and Painting II (3)

Continuation of ART 4321; attention to various mixed media. PREREQUISITE: ART 3313, 4321, or permission of instructor.

ART 4331 - Painting III (3)

Advanced problems in oil painting, presupposing that student has mastered basic techniques and is ready for a more experimental approach to subject. PREREQUISITE: ART 2331, 3332 or permission of instructor.

ART 4332 - Painting IV (3)

Continuation of ART 4331; emphasis on development of personal style. PREREQUISITE: ART 2331, 3332, 4331, or permission of instructor.

ART 4333 - Painting V (3)

Continuation of ART 4332; emphasis on development of personal style. PREREQUISITE: ART 4332, or permission of instructor.

ART 4351 - Adv Printmaking I (3)

Specialization in one or two printmaking media with emphasis on development of personal imagery and technical skills. PREREQUISITE: ART 2351, 3351 or 3352, or permission of instructor.

ART 4352 - Adv Printmaking II (3)

Advanced work in one or two printmaking media with continued development of personal imagery and advanced technical skills. PREREQUISITE: ART 2351, 3351 or 3352, and 4351, or permission of instructor.

ART 4353 - Computer Image Print/Photo I (3)

Use of digital imaging in one of several output options including: inkjet printing, lithography, screen printing, etching, silver and non-silver photographic processes; emphasis on personal expression PREREQUISITE: a computer course and either ART 2351, 2701.

ART 4354 - Computer Image Print/Photo II (1-3)

Advanced project using digital imaging. Proposal for study to be approved in advance; emphasis on personal expression. PREREQUISITE: ART 4353, or permission of instructor. May be repeated for a maximum of 6 hours credit.

ART 4405 - Textiles (3)

(Same as CSED 4405). Selection, use, and care of textiles related to properties of fibers, yarn structures, fabric construction, and finishes; morphology and chemistry of fibers, finishes, dyes, fabric maintenance, and procedure involved in fiber, yarn, and fabric identification. PREREQUISITE: CSED 2004, 2005, or permission of instructor.

ART 4410 - Art Educ Independ Study (1-3)

Theoretical and pragmatic ideas relevant to teaching of art. May be repeated for a maximum of 6 semester hours credit. PREREQUISITE: ART 3411, 3423, or permission of instructor.

ART 4418 - High School Art Practicum (1)

Observation and art teaching in a local 9-12 classroom; campus based seminars. PREREQUISITE: Art major and permission of instructor. (S/U).

ART 4420 - Alternative Art/Ed Practicum (1)

Observation and art education for special populations in local schools, community institutions or clinical settings. Includes campus-based seminars. (S/U).

ART 4427 - Method/Materials Art Instruc (3)

Curriculum planning, resources, and standards for art program goals, budget, and facilities; current art education philosophy and research. PREREQUISITE: Admission to TEP and ART 2414, 3416, 3423, or permission of instructor.

ART 4430 - Community Art Project (1)

Opportunity for art education students to utilize studio and pedagogical knowledge and skills to design and implement collaborative, interdisciplinary, comprehensive community art-based learning opportunities for urban youth. Includes 20 hours of field experience. Students submit a process portfolio documenting their experiences. PREREQUISITE: Art Education major and permission of instructor. Students may be required to obtain a background check at students' expense. May be repeated for a maximum of 3 hours credit. PREREQUISITE: must be admitted to Teacher Education Program (TEP).

ART 4440 - Analysis of Teaching (4)

Advanced methods for art teaching practices in schools. PREREQUISITE: admission to TEP.

ART 4441 - Art Ed Prof Seminar (3)

Analysis and problem solving of art student teaching experience; creation of art teacher's professional portfolio. PREREQUISITE: completion of all licensure and degree requirements. COREQUISITE: ART 4912.

ART 4511 - Sculpture IV (3)

Advanced work in various sculptural media. PREREQUISITE: ART 2511, 3511, 3512, or permission of instructor.

ART 4512 - Sculpture V (3)

Continuation of 4511; emphasis on personal expression. PREREQUISITE: ART 4511, or permission of instructor.

ART 4521 - Ceramics III (3)

Advanced studies in ceramic process and technique; concentration on development of personal attitudes toward work. PREREQUISITE: ART 3524, or permission of instructor.

ART 4522 - Ceramics IV (3)

Technical competence and the production of ceramic objects reflective of genuinely personal involvement. PREREQUISITE: ART 4521, or permission of instructor.

ART 4621 - Workshop in Art I (1-3)

Specific art problems as they apply to individual student; emphasis on basic art concepts and creative experience. PREREQUISITE: permission of instructor.

ART 4622 - Workshop in Art II (1-3)

Continuation of ART 4621, providing study of problems appropriate to need of individual student. PREREQUISITE: permission of instructor.

ART 4641 - Study and Travel in Art (3-6)

Travel to important art areas of world and specialized study under direction of faculty member of Department of Art.

ART 4650 - Profess Art Practices (3)

Development of skills needed for success as practicing professional artist; portfolio preparation and presentation, marketing, contracts, copyrights, and alternative art careers. PREREQUISITE: Studio Arts or Photography concentration, or permission of instructor. COREQUISITE: ART 4990.

ART 4701 - Color Photography (3)

Exploration of photographic perception in color; survey of history and aesthetics of color photography; techniques of color photography; emphasis on color printing. PREREQUISITE: ART 3701, junior standing, or permission of instructor.

ART 4702 - Photographic Material/Process (3)

Advanced technical course exploring creative potential in various contemporary photography materials, processes and techniques; emphasis on aesthetic application of those materials and techniques. PREREQUISITE: ART 3701, or permission of instructor.

ART 4703 - Alternative Photographic Process (3)

Exploration of creative potential of archaic and non-traditional photographic processes such as Cyanotype, Gum Bichromate and Kwik-Print. PREREQUISITE: ART 3701, or permission of instructor.

ART 4704 - Photographic Lighting (3)

Advanced theory, technique, and equipment used by professional photographers for black and white and color; emphasis on aesthetic application in actual practice. PREREQUISITE: ART 3701, or permission of instructor.

ART 4711 - Adv Photography Seminar (1-3)

Creation of a unified body of photographic work based on subject matter or formal problem. Contract for study project to be approved by instructor in semester prior to registration. May be repeated for a maximum of 6 semester hours credit. PREREQUISITE: ART 3701, or permission of instructor.

ART 4712 - Photography Portfolio Seminar (1-3)

Creation and production of bound book or portfolio containing student's photographs and written introduction. Contract for study project to be approved by instructor in semester prior to registration. May be repeated for a maximum of 6 semester hours credit. PREREQUISITE: ART 4711, or permission of instructor.

ART 4912 - Art Education Residency II (9)

Implementing various methodologies, assessing students, classroom management, and classroom discipline. PREREQUISITE: admission to TEP.

ART 4914 - Art Education Residency I (5)

Implementing various methodologies, assessing students, classroom management, classroom discipline. PREREQUISITE: admission to TEP.

ART 4990 - Senior Thesis Preparation (3)

Process of integrating advanced knowledge of one or more studio fields, and one or more areas of historical or contemporary art interests. Students will meet regularly with a committee of faculty to receive input and direction regarding the progress of the development of a body of work. The course will include group critiques, reading assignments, research discussion. COREQUISITE: ART 4650.

ART 4995 - Senior Thesis Exhibition (3)

Planning and execution of Thesis Exhibition. PREREQUISITE: ART 4990.

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Department of Art

Richard A. Lou, M.F.A., Chair

Room 201, Jones Hall

<http://deptart.memphis.edu/>

In addition to the courses below, the department may offer the following Special Topics courses:

ARTH 4030-39. Special Topics in Art History. (1-3). Topics are varied and in online class listings. May be repeated to a maximum of 9 hours credit when topic varies.

ARTH 2010 - World Art I (3)

(2101). Development of visual arts from prehistoric times through medieval period, their use by man as social, cultural, and educational force; brief survey of art of Far East. [G]

ARTH 2020 - World Art II (3)

(2102). Continues World Art I; development of visual arts from medieval period through Renaissance to present. [G]

ARTH 2030 - Visual Studies/Indigenous Arts (3)

Arts and visual cultures of peoples of Africa, Oceania, and Native North America.

ARTH 4031 - Art of Buddhism (3)

Development of Buddhism and Buddhist art from the creation of the first Buddha images to the modern practice of Buddhism in many parts of Asia.

ARTH 4032 - Intro to Southeast Asian Art (3)

Exploration of diverse features of Southeast Asian art and architecture; features that differentiate Southeast Asian art from the rest of Asia.

ARTH 4033 - Folk Art: Southern Style (3)

Exploration of many faces of Southern folk art, defined as the work of self-taught artists, from its earliest manifestations.

ARTH 4037 - Islamic Art/History/Aesthetics (3)

Design and ornament in Islamic art from the perspective of history, aesthetics, and the creative process.

ARTH 4111 - Art/Archaeology of Egypt (3)

Predynastic to Late Period. PREREQUISITE: ARTH 2010 or permission of instructor.

ARTH 4112 - Egypt Art-Old Kingdom (3)

Art, architecture, and archaeology, 3000-1500 B.C. PREREQUISITE: ARTH 2010, or permission of instructor.

ARTH 4113 - Egypt Art-New Kingdom (3)

Art, architecture, and archaeology, 1500 B.C.-642 A.D. PREREQUISITE: ARTH 2010, or permission of instructor.

ARTH 4119 - Late Antique/Islamic Art/Egypt (3)

Pharaonic and Hellenistic roots of Coptic Art, its 3rd and 4th century AD flourishing, place within the larger milieu of the Byzantine Empire's culture and artistic expression, interaction with the Late Antique arts of the Eastern Mediterranean, and influence on the Islamic Art of Egypt.

ARTH 4121 - Ancient Art Near East (3)

Architecture, sculpture, painting, and the minor arts in Mesopotamia, Anatolia, and

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English (ENGL)
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Health Administration (HADM)
History (HIST)
International Studies (INTL)
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Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

Syria Palestine. PREREQUISITE: ARTH 2010, or permission of instructor.

ARTH 4123 - Greek Art (3)

Architecture, sculpture and painting from the Bronze Age to the end of the Hellenistic period.

ARTH 4124 - Roman Art (3)

Architecture, sculpture and painting from Etruscan Rome to the fall of the Empire.

ARTH 4125 - Art/Archaeology Pompeii (3)

Pompeii's excavations, art, artifacts and architecture in reconstructing ancient Roman daily life.

ARTH 4129 - Ancient/Medieval Architecture (3)

Selected topics comparing the architecture of ancient Egypt, the Classical world, and Medieval Europe. PREREQUISITE: ARTH 2010.

ARTH 4130 - Art/Medieval World (3)

Architecture, sculpture, and painting, including manuscript illumination of the middle ages; Western European and Byzantine traditions. PREREQUISITE: ARTH 2010, or permission of instructor.

ARTH 4131 - Art/Early Middle Ages (3)

Advanced study of architecture, sculpture and painting of the early medieval period. PREREQUISITE: ARTH 2010, or permission of instructor.

ARTH 4134 - Art/High Middle Ages (3)

Advanced study of architecture, sculpture and painting, including manuscript illumination, ivories and stained glass in the Romanesque and Gothic periods. PREREQUISITE: ARTH 2010, or permission of instructor.

ARTH 4141 - Early Renaissance Italy (3)

Architecture, sculpture and painting of Italy, 1300-1510. PREREQUISITE: ARTH 2010, or permission of instructor.

ARTH 4142 - North Renaissance Art (3)

Fifteenth Century Art in Northern Europe; emphasis on panel painting, manuscript illumination and printmaking. PREREQUISITE: ARTH 2010, or permission of instructor.

ARTH 4143 - High Renaissance Italy (3)

Sixteenth Century Art in Italy; highlights works of Michelangelo, Raphael, Titian, and the Mannerists. PREREQUISITE: ARTH 2020, or permission of instructor.

ARTH 4146 - Baroque Art (3)

Architecture, sculpture, and painting produced in Europe during Seventeenth Century. PREREQUISITE: ARTH 2020 or permission of instructor.

ARTH 4148 - Neo-Class/Romanticism (3)

Western European art, ca. 1760-1850 emphasizing painting, sculpture, and art theory. PREREQUISITE: ARTH 2020 ,or permission of instructor.

ARTH 4149 - Realism & Impressionism (3)

Western European art, ca. 1850-1880, emphasizing painting, sculpture and art theory. PREREQUISITE: ARTH 2020, or permission of instructor.

ARTH 4152 - Early Modern Art (3)

Movements in Western art and art theory, 1880-1905 which are the foundation of 20th century modernism, Symbolism and Post-Impressionism. PREREQUISITE: ARTH 2020, or permission of instructor.

ARTH 4153 - Cubism through Surrealism (3)

History of avant-garde art before World War II. PREREQUISITE: ARTH 2020, or permission of instructor.

ARTH 4155 - High Modern Art (3)

American and European art and art theory 1940-1968, emphasizing the development of modernism. PREREQUISITE: ARTH 2020, or permission of instructor.

ARTH 4157 - Contemp Art/Theory/Criticism (3)

Historical movements, theory and criticism: 1968 to present. PREREQUISITE: ARTH 2020, or permission of instructor.

ARTH 4158 - Modern Architecture (3)

Survey of 19th century styles, 20th century masters, and contemporary developments in architecture; historic preservation.

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ARTH 4160 - Architecture and Nature (3)

Survey and analysis of spaces in a variety of cultures from world history where the relationship between the natural and the built environment is healthy.

ARTH 4162 - Latin American Art (3)

Hispanic arts of the Americas from 1500 to the present in relation to Iberian and Indian traditions.

ARTH 4163 - Pre-Columbian Art (3)

Ancient art of Mexico, Central America and South America from about 1000 B. C. to European contact.

ARTH 4166 - History of American Art (3)

American art examined in social, cultural and historical contexts; broad range of creative expression, including fine arts, architecture, folk art, film, furniture, popular culture; covers the period of conquest to modern developments. PREREQUISITE: ARTH 2020, or permission of instructor.

ARTH 4181 - Arts Africa/Oceania/N America (3)

Survey of the arts created by native Americans of U.S. and Canada, peoples of sub-Saharan Africa and Pacific islands, examined in relation to their cultural context and heritage.

ARTH 4183 - Visual Arts of Africa (3)

Survey of the arts of the African continent from pre-historic to the modern era; African aesthetic traditions in relation to social and cultural contexts.

ARTH 4185 - African American Art (3)

Introduction to African American visual expression and culture from Colonial to the modern era, including fine arts, photography, film and popular culture.

ARTH 4195 - Proseminar Art History (3)

Investigation of selected topics in art history with emphasis on development of research techniques and methodologies. Oral presentation and writing of thesis paper. PREREQUISITE: senior status with 18 semester hours in art history.

ARTH 4197 - Adv Indiv Research/ARTH (3)

May be repeated for credit when topic varies. PREREQUISITE: permission of instructor.

ARTH 4381 - Art Curatorial Techniques (3)

Curatorial responsibilities and functions: receiving and shipping methods, registration, physical and environmental security, research, conservation, and study of art market and publications.

ARTH 4386 - Introduction to Museums (3)

(Same as HIST 4386). History of museums and how they function in society; development of major collections and roles of museums as centers of research, education, and as interpreters of social values; presentations by museum professionals and visits to area museums.

ARTH 4660 - Museum Collections (3)

(Same as ANTH 4660). Theory, methods, collection policy, development, preservation, documentation, interpretation of museum collections. PREREQUISITE: permission of instructor.

ARTH 4662 - Museum Exhibitions (3)

(Same as ANTH 4662). Exhibition methods and theory, including research, design, layout, object selection and handling, installation, public programming and evaluation. May not be repeated for credit. PREREQUISITE: permission of instructor.

ARTH 4721 - History Photography I (3)

Survey of history and theory of photography since its invention in the 19th century.

ARTH 4722 - History Photography II (3)

Historical and critical issues in photography from World War I to the present.

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D. Gray Matthews, Ph.D., Vice Chair
Room 143, Theatre and Communication Building
<http://www.memphis.edu/communication/>

NOTE: In addition to specific prerequisites, junior standing or permission of the department chair is a prerequisite for all 3000 and 4000 level courses in the Department of Communication.

In addition to the courses below, the department may offer the following Special Topics courses:

COMM 4210-19. Special Topics In Communication Studies. (1-3). Topics are varied and announced in online class listings. May be repeated for a maximum of 9 hours credit when topic varies.

COMM 4220-29. Special Topics in Film. (1-3). Topics are varied and in online class listings. May be repeated for a maximum of 9 hours credit when topic varies.

COMM 1780 - Intro Human Communication (3)

Principles and processes underlying human communication; communication models, communication purposes and breakdowns, and variables related to interpersonal, small group, intercultural, and public communication.

COMM 1851 - Introduction to Film (3)

Comprehensive study of the forms, functions, and history of film art; emphasis on developing student's critical skills and aesthetic appreciation through analysis of complex formal, social, historical, and cultural dimensions of the art of film. [G]

COMM 2020 - TV/Video/Radio Production Lab (1-3)

(1823). Experiences in production of broadcast quality television studio and remote productions. Students assume technical positions on a variety of assignments as productions assistants. May be repeated for a maximum of 3 hours credit.

COMM 2100 - Communication Inquiry (3)

History and development of the discipline of communication; emphasis on rhetoric, social science, and media; theories and models of communication.

COMM 2101 - Media and Info Literacy (3)

Critical examination and analysis of media and information products; focus on mediated construction of meaning and assessment of credibility online and in traditional mass media; basic research skills necessary to complete academic projects successfully.

COMM 2381 - Oral Communication (3)

Principles and practices of basic oral communication forms with emphasis on listening and critical understanding related to contemporary mass media, especially television and film, and to public information and decision making. [G]

COMM 3001 - Rhetoric/Civic Controversy (3)

Introduction to history and practice of rhetoric as the art of civic engagement in a democracy; focus on key terms, ethical assumptions, and interpretative tools of rhetoric study; analysis of contemporary and historical cases in local and national controversy. PREREQUISITE: COMM 2100 or permission of instructor.

COMM 3002 - Theories/Human Communication (3)

Theories and models that describe and explain human communication processes ranging from intrapersonal to mass communication contexts; use of analytical tools to critically analyze communication environments. PREREQUISITE: Permission of instructor.

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COMM 3003 - Television and Culture (3)
(3861). Social, political, and aesthetic dimensions of television in contemporary culture.
PREREQUISITE: COMM 1780 or permission of instructor.

COMM 3100 - Communication Ethics (3)
Exploration of principles, theories, and philosophical approaches to ethics of human communication; emphasis on decision-making, critical thinking and awareness of personal responsibilities as a sender and receiver of messages.

COMM 3321 - Argumentation and Debate (3)
Theory of argumentation with emphasis on developing skills in analysis, reasoning, and use of evidence in various debate situations and understanding of the role of debate in public decision-making. PREREQUISITE: COMM 2381.

COMM 3322 - Theories of Persuasion (3)
Principles underlying communication designed to influence attitudes or behavior; approaches to motivation, perception, message structure, attention, reasoning, audience analysis, persuasability, and attitude change; items for analysis drawn from speeches, advertising, radio, television, and film.

COMM 3330 - Communication Research Methods (4)
Examination and application of qualitative and quantitative methods of research. Three hours of lecture, two hours of laboratory per week. PREREQUISITE: COMM 2100 or JOUR 1700.

COMM 3341 - Discussion (3)
Study and practice of principles and techniques of discussion, dealing with current problems of wide interest and significance.

COMM 3342 - Communication and Leadership (3)
Relationship between communication variables and leadership styles and effectiveness in various organizational and group settings.

COMM 3360 - Rhetoric/Pop Culture (3)
Investigation of rhetorics of U.S. culture; focus on how constructions of class, gender, race, and sexuality work in contemporary television, film, music, and advertising.

COMM 3361 - African-American Rhetoric (3)
Speeches and rhetoric of African-Americans; emphasis on spokespersons such as Walker, Turner, Douglass, Washington, DuBois, Malcolm X, King, Davis, and Jackson.

COMM 3800 - Media Industries (3)
Overview of economic structure of media industries, including role of regulation and impact of media organizations on society.

COMM 3801 - TV Production Technique/JOUR (3)
For majors in the broadcast journalism sequence; basic principles and techniques of video production with production exercises. PREREQUISITE: permission of instructor.

COMM 3820 - Broadcast Prep and Performance (3)
Skills required for on-air performance in broadcasting and cable emphasizing use of voice and copy preparation; presentation of public affairs programming, talk show hosting, sportscasting, newscasting and general announcing.

COMM 3821 - Audio Narratives (3)
Basic principles and practices in storytelling for radio, the Internet, and new media; lecture and laboratory course using digital audio workstations for producing, recording, and editing.

COMM 3823 - Motion Picture Prod I (4)
Basic production skills and theory; still and 16 mm motion picture photography; film editing and audio; hands-on production exercises.

COMM 3824 - Motion Picture Prod II (4)
Continued production skills and theory utilizing 16 mm film, digital video and digital post production; extensive production exercises. PREREQUISITE: minimum grade of "C" in COMM 3823, or permission of instructor.

COMM 3842 - TV Studio Production I (4)
Techniques of studio TV production, including staging and direction of programs. PREREQUISITE: minimum grade of "C" in COMM 3823 or permission of instructor.

COMM 4011 - Communication in Organizations (3)
Study of communication systems and problems in contemporary organizations with emphasis on the role of communication in corporate culture and organizational change.

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COMM 4012 - Health Communication (3)

Examination of the role of communication in health care; application of communication theory and practice to the health care context from provider-patient interaction to cultural influences on health.

COMM 4013 - Political Communication (3)

Investigation of various forms of political communication; texts drawn primarily from current political disputes in the U.S.; focus on improving basic skills of critical thinking and writing about civic life.

COMM 4014 - Communication on the Internet (3)

Research and theories examining role of internet and new technologies in everyday interaction; interpersonal and group communication, language change, online communities and social networks, identity and self-presentation online.

COMM 4212 - Bodies and Technologies (3)

Examine how technology shapes the way we understand and manage our bodies in society.

COMM 4213 - Health Literacy (3)

Development of health literacy as an area of concern in healthcare, including patient/provider interactions, public health campaigns, health education, healthcare reform, and health insurance.

COMM 4214 - Family Communication (3)

Research trends and theories in the scientific study of the family; issues related to family interaction, functioning, relationships, and communication.

COMM 4222 - Advanced Public Speaking (3)

Topics are varied and in online class listings. May be repeated for a maximum of 9 hours credit when topic varies.

COMM 4340 - Listening (3)

Exploration of communication theory and practice from perspective of listening; philosophical, practical, personal dimensions of listening as an art of being as well as a mode of doing.

COMM 4341 - Interpersonal Communication (3)

Theory, research and practice regarding dyadic communication.

COMM 4342 - Small Group Communication (3)

Study of group communication theory emphasizing group membership, member perceptions, group development, group processes, and group outcomes.

COMM 4360 - American Eloquence (3)

Examination of notable public discourse from before founding of the republic through twentieth century; religious and secular foundations of American rhetoric; tensions of inclusion and exclusion in development of national self-understanding.

COMM 4363 - Dialogue (3)

Theoretical, philosophical and practical exploration of dialogic communication and relations.

COMM 4364 - Voices/American Women (3)

History of women's public discourse in the U.S. from the 19th through 20th century; social and cultural significance of women's participation in public discourse; credibility and nature of argument both within and about women's public address.

COMM 4365 - Place/Community/Communication (3)

Exploration of interrelationships between human interaction, created places and natural world; emphasis on communication environment, broadly conceived, and its effect on community.

COMM 4373 - Interracial Communication (3)

Special problems encountered in communication among races; readings, discussion, and field study of how prejudice, stereotypes, and self-concepts can affect communication; exploration of methods to minimize these problems.

COMM 4374 - Studies in Communication Arts (1-3)

Independent research in areas of special interest of communication, broadcast and electronic media, and film and video. PREREQUISITE: permission of instructor.

COMM 4375 - Intercultural Communication (3)

Special problems encountered in communication among people of different cultural backgrounds; focus on understanding communication between and among people with different national/cultural backgrounds and functioning more effectively in multicultural

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settings.

COMM 4380 - Communication and Conflict (3)

Theories and methods of conflict management and resolution focusing on practical communication skills.; concepts of perception, listening and peacemaking emphasized.

COMM 4381 - Senior Capstone (3)

Synthesis and extension of knowledge in communication studies; demonstrated integration of learning and positioning to move on as individuals, citizens, and/or professionals. Students will create a portfolio representing past course projects as well as carry out a capstone research project. PREREQUISITE: COMM 3330, senior standing, or permission of instructor.

COMM 4802 - Internship (1-3)

Field studies in communication. Supervised practical work with government institutions, non-profit organizations, private business, film companies, and broadcast and electronic media firm. Written analysis of experience required. May be repeated for maximum of 6 hours credit. PREREQUISITE: permission of instructor. (S/U).

COMM 4810 - Broadcast Reg/Program Policy (3)

Effects of FCC and other governmental regulations on broadcast and electronic media management and operations; licensing, renewals, content control, politics, and copyright. PREREQUISITE: COMM 3800.

COMM 4811 - Media 2.0 (3)

Examination of long tail phenomenon and other theories behind convergent media; people and organizations producing and distributing work on the Internet and other alternative channels; new distribution forms challenges and assumptions about how mass media should and does work.

COMM 4812 - Comm Law in Performing Arts (3)

Artist, performer, and management contractual relationships; acquisition, copyright and disposition of literary and audio-visual properties; production and distribution agreements; advertising law and other matters for TV, motion picture, radio and stage businesses.

COMM 4822 - Audio Production Film/Video (3)

Intermediate principles and practices of audio (recording, editing, mixing, and design) with emphasis on film and video production. PREREQUISITE: A minimum grade of "C" in COMM 3824, or permission of instructor.

COMM 4824 - Cinema/Videography (3)

Art of visual interpretation with strong concentration in theory and techniques of lighting. Experience with professional film and video cameras and lighting equipment. PREREQUISITE: A minimum grade of "C" in COMM 3824, or permission of instructor.

COMM 4825 - Editing/Post Production (3)

Aesthetics of continuity development in a variety of editing styles; editing techniques and post-production procedures for both videotape and double system film. PREREQUISITE: A minimum grade of "C" in COMM 3824, or permission of instructor.

COMM 4831 - Broadcast/Cable Sale/Ad (3)

Relation of broadcasting and cable sales and advertising to networks, station representatives and salespeople; role of sponsors, agencies, and allied groups. PREREQUISITE: COMM 3800.

COMM 4841 - Television Workshop (4)

Production of television programming for local cable casting. May be repeated for a maximum of 8 semester hours; repetition will not result in a change of any grade previously given. PREREQUISITE: COMM 3842 or permission of instructor.

COMM 4842 - TV Studio Production II (4)

Advanced training in TV studio/multiple camera techniques; extensive production work. PREREQUISITE: COMM 3842.

COMM 4850 - Film History I (3)

Historical survey of motion pictures from medium's pre-history to 1940; emphasis on narrative film.

COMM 4851 - Film History II (3)

Historical survey of the major movements, genres, and themes in narrative film from 1940 to 1960.

COMM 4853 - Documentary Form Film (3)

Development of non-fiction film as rhetorical and expressive form; analysis of individual films, genres, and filmmakers.

COMM 4854 - Documentary Form Broadcasting (3)

History, theory, and criticism of non-fiction broadcasting, including docudrama and television documentaries.

COMM 4856 - Women and Film (3)

Women as performers, viewers, subjects, and creators in U.S. and international cinema.

COMM 4857 - Hist of Broadcast/Elec Media (3)

Comprehensive history of broadcast and electronic media in United States as developed from 1895 to present; use of primary sources. PREREQUISITE: COMM 3800.

COMM 4858 - Contemporary Cinema (3)

Major themes and styles in international and U.S. narrative film from 1960 to present.

COMM 4871 - Broadcast/Cable Mgmt (3)

Theories of management; special problems and situations confronting managers of broadcast and cable outlets; personnel, engineering, programming, news, promotion and sales functions. PREREQUISITE: COMM 3800.

COMM 4891 - Producing/Directing Film/Video (3)

Research and script preparation; budgeting and production management; working with actors and crew. PREREQUISITE: COMM 3824, or permission of instructor.

COMM 4892 - Film/Video Production (1-3)

Film and video production workshop. Class members write, produce, direct, or assume crew responsibilities on productions. May be repeated for a maximum of 6 hours credit. See departmental guidelines for independent production requirements and procedures. PREREQUISITE: COMM 3824 and permission of instructor.

COMM 4960 - Documentary Writing (3)

Writing for non-fiction media.

COMM 4970 - Screenwriting (3)

Writing for fiction film and television; basic dramatic theory, narrative structure, characterization, dialogue, adaptation, and the unique demands of audiovisual media.

COMM 4980 - Honors Studies (3)

Reserved for students enrolled in Communication Honors Program. May be repeated for a maximum of 15 hours credit. PREREQUISITE: permission of Director of Communication Honors Program.

COMM 4982 - Honors Seminar (3)

Intensive study of particular problems in communication. May be repeated for a maximum of 12 hours credit when semester topics vary. PREREQUISITE: permission of Director of Communication Honors Program.

COMM 4993 - Senior Practicum (3)

Independent work in radio, video, or film production. Each student has complete creative control of a program from conception through final product. See departmental guidelines for independent production requirements and procedures. PREREQUISITE: permission of instructor.

COMM 4999 - Senior Honors Thesis (3)

Supervised independent research project. Open only to students enrolled in the Communication Honors Program. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of Director of Communication Honors Program.

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CCFA

(CCFA) COMMUNICATION and FINE ARTS
Richard Ranta, Ph.D., Dean
Room 234, Communication and Fine Arts Building
<http://ccfa.memphis.edu/>

CCFA 3001 - Arts In Education (3)

Integrates art, music, and drama with other subject areas to stimulate creativity and build positive attitudes.

CCFA 4001 - Arts/Schools Institute (1)

Provides West Tennessee educators the opportunity to discover and explore the impact of aesthetic education; students will view performances and exhibits and experience in-depth, hands-on exploratory workshops led by teaching artists.

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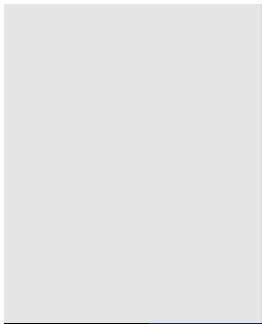
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DANC

(DANC) DANCE
Department of Theatre and Dance
Holly C. Lau, M.F.A., Chair
Room 143D, Theatre and Communication Building
<http://www.memphis.edu/theatre/>

In addition to the courses below, the department may offer the following Special Topics courses:
DANC 4000-4029. Special Topics in Dance. (1-3). Topics are varied and announced in the online course listings. May be repeated for a maximum of 9 hours credit when topic varies.

DANC 1151 - Introduction to Dance (3)

Comprehensive study of dance as an expressive art form, a symbolic language, and an integral aspect of world cultures; emphasis on developing both aesthetic response and critical skills through an analysis of major dance forms, styles, and genres. [G]

DANC 1821 - Contemporary Dance I (2)

Introduction to modern dance techniques; emphasis on exploration of fundamentals of dance. For student with little or no previous experience in modern dance. May be repeated for a maximum of 4 hours credit with permission of instructor.

DANC 1825 - Ballet I (2)

Introduction to classical ballet technique; emphasis on barre and center floor work. For student with little or no previous experience in ballet. May be repeated for a maximum of 4 semester hours credit with permission of instructor.

DANC 1827 - Jazz Dance I (2)

Contemporary jazz dance techniques; emphasis on fundamentals of idiom. For student with little or no previous experience in jazz dance. May be repeated for a maximum of 4 hours credit with permission of instructor.

DANC 1831 - Tap Dance I (2)

Introduction to basics of rhythm tap, including technique, traditional movement vocabulary, rhythmic sensibility, history and development of individual style. May be repeated for a maximum of 4 hours credit.

DANC 2101 - Dance Improvisation (3)

Elements of space, time and force; their interrelationships and their specific applications to movement sequences; experiences in spontaneous development of dance phrases. May be repeated for a maximum of 6 hours credit. (Offered alternate years).

DANC 2821 - Contemporary Dance II (2)

Intermediate modern dance techniques. May be repeated for a maximum of 15 hours credit. PREREQUISITE: DANC 1821, or permission of instructor.

DANC 2825 - Ballet II (2)

Intermediate ballet techniques. May be repeated for a maximum of 14 hours credit. PREREQUISITE: permission of instructor.

DANC 2827 - Jazz Dance II (2)

Intermediate jazz dance techniques. May be repeated for a maximum of 14 hours credit. PREREQUISITE: permission of instructor.

DANC 3101 - History of Dance (3)

Basic features of and uses for dance and expressive movement from early cultures to present. (Offered alternate years). (W)

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DANC 3201 - Dance Movement Analysis (3)

Theory and methods of analyzing and describing dance movement. Varied semester topics: dance notation, Laban movement analysis, Bartenieff fundamentals, rhythmic analysis, kinetic awareness and body alignment techniques. May be repeated for a maximum of 6 hours credit. (Offered alternate years).

DANC 3826 - Musical Theatre Dance I (2)

Study of musical theatre dance performance styles through preparation and performance of selection from standard repertory; development of technical mastery of musical theatre dance vocabulary, character driven dance performance. May be repeated for a maximum of 4 hours credit. PREREQUISITE: permission of instructor.

DANC 3827 - Musical Theatre Dance II (2)

Advanced study of music theatre dance performance styles through preparation and performance of selections from standard repertory; development of technical mastery of musical theatre dance vocabulary and character driven dance performance. May be repeated for a maximum of 4 hours credit. PREREQUISITE: permission of instructor.

DANC 3829 - Adv Dance Techniques (3)

Intensive development and refinement of dance technique. Focus on artistic concerns appropriate to advanced level. Repeatable for a maximum of 15 hours credit. PREREQUISITE: permission of instructor.

DANC 4101 - Dance Repertory (3)

Exploration of stylistic, technical, and expressive elements in rehearsal and performance; notated works, faculty and guest artist choreography. May be repeated for a maximum of 9 hours credit. (Offered alternate years). PREREQUISITE: permission of instructor.

DANC 4201 - Dance Composition (3)

Investigation of movement sources and development of elements of choreographic craft. Emphasis on solo and duet work. May be repeated for a maximum of 6 hours credit. (Offered alternate years).

DANC 4202 - Adv Dance Composition (3)

Continued investigation of movement sources and choreographic craft from concept development through rehearsal and performance; emphasis on group forms and working with music. May be repeated for a maximum of 6 hours credit. (Offered alternate years). PREREQUISITE: DANC 4201, or permission of instructor.

DANC 4301 - Directed Studies Dance (1-3)

Individual study, research or practicum. May be repeated for a maximum of 12 hours credit. PREREQUISITE: permission of instructor.

DANC 4402 - Dance Ed/Diverse Setting (3)

Theory, methods and materials for teaching modern and creative dance in schools, dance studios, arts programs, and community settings; current research in aesthetic education and curriculum development.

DANC 4404 - Dance Teaching Methods (3)

Analysis of principles, methods, philosophy, materials, practice of teaching dance in educational settings; emphasis on preparing student to teach dance in public schools.

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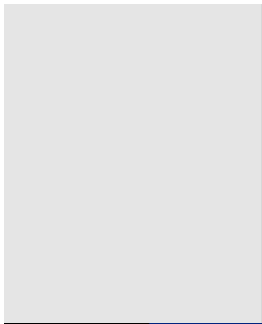
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Loewenberg School of Nursing

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IDES

(IDES) INTERIOR DESIGN
Department of Architecture
Michael D. Hagge, M.Arch., Chair
Room 404, Jones Hall
<http://architecture.memphis.edu>

Additional fees are charged for some Interior Design courses. See the online class listings or the Expenses section of the Catalog.

In addition to the courses below, the department may offer the following Special Topics courses:

IDES 4510. Special Topics in Interior Design. (1-6). Varied topics in online class listings. May be repeated by permission for a maximum of 6 hours credit. **PREREQUISITE:** permission of instructor.

IDES 1110 - Interior Color/Composition (3)

Application of color theory and design composition to specific requirements of interior design practice, through lectures and studio assignments. **PREREQUISITE:** ARCH 2611.

IDES 2110 - Interior Design Rendering (3)

(ART 1234). Use of black-white and color media for one and two-point perspective illustration; assignments in line, texture, shade-shadow, volume, color, freehand drawing and drafting. **PREREQUISITE:** ARCH 1112, IDES 1110.

IDES 2411 - Lighting the Built Environment (3)

Comprehensive study of lighting sources and principles, color and applications, including circuiting, switching, dimming systems, task ambient lighting and industry resources. Zonal cavity method and point source calculations applied through lectures and studio assignments. **PREREQUISITE:** ARCH 1112, ARCH 2611, IDES 1110, and 1 required math course or permission of instructor.

IDES 2441 - Interior Construction Drafting (3)

Principles of building construction and their application through development of working drawings for both residential and commercial projects; building methods and materials studied through lectures and studio assignments. **PREREQUISITE:** IDES 2110.

IDES 2470 - Components of Interiors (3)

Technical aspects of building types and building systems; surface and structural materials of interior design in relation to building codes and public health, safety and welfare; drafting of details included.. **PREREQUISITE:** IDES 1110.

IDES 2711 - Foundations Studio 1 (3)

Projects to introduce design precedents, typology, form, space, order, meaning and place; understanding of specific cultural, social and physical contexts of architecture and design. Use of black-white and color media for one and two point perspective illustrations; assignments in line, texture, shade-shadow, volume, color, freehand drawing and drafting. **PREREQUISITE:** ARCH 1112. **COREQUISITE:** IDES 2470, ARCH 2611.

IDES 2712 - Foundations Studio 2 (3)

Integration of concepts and methods as applied to building types, design, construction, and systems with a focus on development of design solutions integrating formally expressive visual ideas and functionally adept planning and design concepts. **PREREQUISITE:** IDES 2711. **COREQUISITE:** ARCH 2612.

IDES 3211 - Arch/Interiors/Furniture 1 (3)

Major trends through 18th century; exploring impact of technology and social changes.

IDES 3212 - Arch/Interiors/Furniture 2 (3)

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Fogelman College of Business and Economics

Accountancy (ACCT)
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Economics (ECON)

Major trends in 19th century to present; exploring impact of technology and social change.

IDES 3213 - Survey of Interiors+Furniture (3)

Major historical periods and trends in the development of interior design and furniture from Renaissance to present; primary emphasis on principles of aesthetic philosophy and design theory. PREREQUISITE: permission of instructor.

IDES 3221 - I D Human Factors (3)

Overview of issues related to health and safety, ergonomics, anthropometrics, perception, socio-behavioral response, physical ability, "Universal Design", and theory. PREREQUISITE: IDES 2470 or permission of instructor.

IDES 3430 - I D Business Practice (3)

History and organization of interior design profession; study of business methods and practices; formulation of resume and design portfolio. PREREQUISITE: IDES 3711, or permission of instructor.

IDES 3442 - Interior Detail Drawing (3)

Principles of building construction and its application through development of working drawings including design and drawing of interior millwork and casework; production and specification for construction studied through lectures and studio assignments. PREREQUISITE: IDES 2470.

IDES 3460 - Sustainability/Interior Design (3)

To integrate quality environmental design, the built environment and facilities planning and management, while responding to the demands of the current social and economic climate. Participants will be asked to contribute ten (10) hours of sustainability community service of their choice. PREREQUISITE: IDES 2470 or permission of instructor.

IDES 3711 - Interior Design Studio 3 (4)

Application of material covered in basic interior design courses to theoretical designs for complete environments; design development, production of working and presentation drawings and specifications studied through lectures and studio projects. PREREQUISITE: IDES 2441, 2470 or permission of instructor. COREQUISITE: ARCH 3421.

IDES 3712 - Interior Design Studio 4 (4)

Comprehensive assignment in commercial design including design development, space planning, building code requirements, and construction and specification documentation for barrier free design studied through lectures and design assignments. PREREQUISITE: IDES 3442.

IDES 4021 - I D Independent Study (1-6)

Independent research in selected area of interior design under supervision of Department of Architecture faculty. PREREQUISITE: permission of instructor.

IDES 4430 - Interior Design Internship (3)

Experiential learning to be achieved through an approved work assignment with a design firm, appropriate public or private entity, or a Department of Architecture faculty. PREREQUISITE: IDES 3711 and permission of instructor.

IDES 4713 - Interior Design Studio 5 (4)

Further advanced studio assignments in commercial interior design studied through lectures and design projects. PREREQUISITE: ARCH 3431, IDES 3712 .

IDES 4714 - Interior Design Studio 6 (4)

Comprehensive design; addresses creative, professional, technical and historical issues involved in problem chosen and defined by student and approved by faculty. PREREQUISITE: IDES 4713. [I]

IDES 4910 - Interior Design Seminar (1-3)

Study and research in specific area of interior design resulting in program brief for IDES 4714. PREREQUISITE: IDES 4713.

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Physical Education Activities (PHED)
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Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

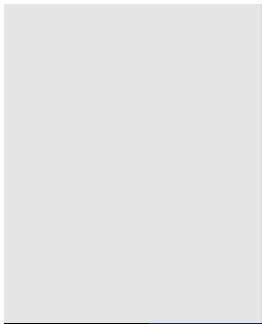
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JOUR

(JOUR) JOURNALISM

M. David Arant, Ph.D., Chair

Room 300, Edward J. Meeman Journalism Building

<http://memphis.edu/journalism/>

In addition to the courses below, the department may offer the following Special Topics courses:

JOUR 4800-09. Special Topics in Journalism. (3). Intensive study of a single critical issue or current topic. May be repeated for a maximum of 6 hours credit.

JOUR 1700 - Survey Mass Communicatn (3)

Social background, scope, functions, and organization of modern communication media, attention to all major mass communication media; philosophy and goals of modern journalism; impact on governmental, social and economic systems. [G]

JOUR 2121 - Media Writing (3)

Basic instruction in journalistic forms and style; use of computer in composition of news reports or articles and in solution of news writing problems; laboratory writing exercises on computer. One lecture hour, four laboratory hours per week. PREREQUISITE: Passing grade on the Journalism Department's English Proficiency Test.

JOUR 2123 - Editing (3)

Practice in copy editing, headline writing, photo editing, and presentation of news for print and online publications; issues faced by editors in all media are addressed. PREREQUISITE: JOUR 2121.

JOUR 3120 - Reporting (3)

Gathering news using basic journalistic tools and techniques. Writing assignments will take place in lab and field. PREREQUISITE: JOUR 2121.

JOUR 3130 - Feature Writing (3)

Advanced practice in writing, publishing feature stories for magazines and newspapers and the Web; finding and developing publishable ideas; freelance techniques; advanced reporting skills; writing techniques with emphasis on leads, endings, description, effective use of anecdotes and quotations; critiques of student work. PREREQUISITE: JOUR 2121.

JOUR 3300 - Survey of Advertising (3)

Exploration of creative function of advertising; emphasis on role of media.

JOUR 3324 - Adv Copywritng/Layout (3)

Principles of advertising psychology in relation to proven techniques for writing effective copy; approximately half of course devoted to practice in writing copy and preparing rough layouts. Typing proficiency required. One lecture hour, four laboratory hours per week. PREREQUISITE: JOUR 2121, 3900, or permission of instructor.

JOUR 3400 - Intro Public Relations (3)

Development, scope, and modern role of public relations; emphasis on problem solving, lectures, and application of major public relations tools and practices.

JOUR 3409 - Public Relations Case Studies (3)

(4420, 4423). Case studies and typical public relations problems; planning and preparation of communications materials for various media; application of public relations techniques. PREREQUISITE: JOUR 3400.

JOUR 3421 - Public Relations Writing (3)

Emphasis on communication tactics; plan, write, and produce public relations tools; audience and media selection; print and electronic media and new media. Two lectures

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hours, two laboratory hours per week. PREREQUISITE: JOUR 2121.

JOUR 3526 - Photojournalism/Digital Image (3)

Understanding the photograph as narrative; learning to see, interpret and capture images that communicate information and have meaning and storytelling power; manipulation of digital media with software for use in broadcast, web and print; ethical problems related to digital manipulation. One lecture hour, four laboratory hours per week. PREREQUISITE: JOUR 2121.

JOUR 3649 - Radio News Practicum (3)

Applied skills in producing, writing, reporting, and voicing daily news and information programming for campus radio station WUMR. One lecture hour, four laboratory hours per week. May be repeated for a maximum of six credit hours. PREREQUISITE: JOUR 3625, or permission of instructor. (S/U)

JOUR 3800 - Helmsman Workshop (1)

Weekly presentation by media professionals on topics in their fields of journalistic expertise. Students prepare for discussion sessions through assigned readings. May be repeated for a maximum of 2 hours credit. PREREQUISITE: junior standing and permission of instructor.

JOUR 3900 - Visual Media (3)

Introduction to desktop publishing software; application of fundamental print principles; development of print design projects such as fliers, brochures, ads, magazines and newsletters. One lecture hour, four laboratory hours per week.

JOUR 4120 - Advanced Reporting (3)

Gathering, analyzing and writing news stories about such topics as government, the courts, the economy, education, environment, and science; Students will do investigative work in the field and in the classroom, learning about both archival and computer resources. PREREQUISITE: JOUR 3120 or permission of instructor.

JOUR 4124 - Computer Assisted Reporting (3)

Advanced use of computer technology and investigative techniques to access, analyze and develop database information in combination with traditional news reporting. PREREQUISITE: JOUR 3120, or permission of instructor.

JOUR 4130 - News Internship (3)

Work in practical assignments at local media under supervision of qualified practitioners. NOTE: Students who have received credit for JOUR 4330 or 4430 may not receive credit for JOUR 4130. PREREQUISITE: permission of sequence coordinator. (S/U)

JOUR 4140 - News Design (3)

Advanced principles of design and production for newspapers, magazines and newsletters; subjects covered include typography, story and page design, graphics; copy images and infographics and presentations in clear, well-organized way; issues with headlines, titles, subheads and photo captions are addressed. PREREQUISITE: JOUR 2123, 3526.

JOUR 4326 - Advertising Research (3)

(3345). Fundamentals in advertising research; nature of the market, appropriate advertising strategies, message effectiveness and media audiences; primary and secondary research, sampling, questionnaire design, survey, and data processing and analysis. PREREQUISITE: JOUR 2121, 3300. COREQUISITE: JOUR 4327.

JOUR 4327 - Media Planning (3)

Procedures for analyzing the advertising situation, writing advertising and media goals, and setting advertising appropriations. Use of a microcomputer program to develop and evaluate optimum advertising media schedules. PREREQUISITE: JOUR 3300 and MKTG 3010.

JOUR 4328 - Strategic Adv Campaigns (3)

Development of an integrative campaign and its execution in include all advertising and promotion applications. (Sp). PREREQUISITE: JOUR 3324, 4326, 4327, or permission of instructor.

JOUR 4330 - Advertising Internship (3)

Work under supervision of qualified practitioners in local advertising agency; advertising department of newspaper, television, or radio station; or company advertising department. NOTE: Students who have received credit for JOUR 4130 or 4430 may not receive credit for JOUR 4330. PREREQUISITE: permission of sequence coordinator. (S/U).

JOUR 4410 - Public Relations Research (3)

(3410). Identifying, characterizing and evaluating stakeholder groups and alternative channels of communication; formal research procedures include sampling, instrument

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Loewenberg School of Nursing

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design, information gathering, data processing, analysis and reporting. PREREQUISITE: JOUR 3400 and 3421.

JOUR 4430 - Public Relations Internship (3)

Work experience as intern with public relations department or organization or on team project assigned by instructor. NOTE: Students who have received credit for JOUR 4130 or 4330 may not receive credit for JOUR 4430. PREREQUISITE: JOUR 3400, 3421, and 4410, and permission of instructor. (S/U).

JOUR 4440 - Public Relations Campaigns (3)

Application of theory, research data, and problem-solving techniques in the development of comprehensive public relations strategies. PREREQUISITE: JOUR 3400, 3421, 4410, JOUR 4420 recommended, or permission of instructor.

JOUR 4500 - Web Publish I: html/CSS (3)

Creation and development of journalism/mass media organization web sites; incorporation of target audience analysis and web usability; and application of information products' conceptualization and layout principles.

JOUR 4550 - Web Publish II: html/CSS (3)

Creation and development of journalism/mass media websites; application of advanced web publishing skills, focus on use of cascading style sheet (CSS); orient toward web usability. PREREQUISITE: JOUR 4500.

JOUR 4560 - Interactive News/Flash (3)

Creation and development of interactive news story for web using Flash and its ActionScript; integrating writing, reporting, designing and presenting audio, video, slideshows elements in production of multimedia story. PREREQUISITE: JOUR 4500.

JOUR 4629 - TV News Writing/Reporting (3)

Gathering, writing and presentation of news for television. Students will shoot, write, edit, and voice packages for use in both the reporting and producing classes. PREREQUISITE: JOUR 3120, COMM 3801, or permission of instructor.

JOUR 4639 - TV News Producing (3)

Producing, writing, editing and using electronic equipment to assemble a television newscast; emphasis on performing the various tasks in a working newsroom. PREREQUISITE: JOUR 3120, COMM 3801, or permission of instructor.

JOUR 4700 - Mass Communication Law (3)

Origin and development of legal principles affecting freedom of expression and provisions of laws of libel, slander, copyright, and other statutes limiting communication in fields of publishing and broadcasting.

JOUR 4702 - Mass Media/Diversity/Society (3)

Advanced study of critical problems faced by mass media, with exploration of complexities that cause them.

JOUR 4708 - Mass Media Ethics (3)

Classical approaches to ethics presented with their application to the day-to-day considerations journalism, public relations and advertising professionals must face in working with employers, local publics and the larger society which depends on a free flow of accurate information.

JOUR 4712 - Mass Media and Cultures (3)

Designed for the professional communicator who needs to understand different cultures, both foreign and domestic; intercultural communication, comparison of cultural values and behaviors, the nature of news in different cultures, the international flow of news, growth and impact of global journalism, television, advertising, and public relations.

JOUR 4716 - History Mass Communication (3)

(3700). Major events, stories, personalities, and issues shaping development of mass communication with special emphasis on the history of American journalism, from advent of printing to the age of the Internet.

JOUR 4720 - Presidents and the Press (3)

Conflict and symbiosis between the White House and the news media; studies of history, journalism, and politics; how various presidents used or failed to use the media, how they were covered and represented, and how that relationship has changed over the years.

JOUR 4802 - Entrepreneurial Journalism (3)

Examination of business models and new media tools that can encourage entrepreneurial thinking and planning in various fields of mass communication, as well as the theory and practices of traditional medial management.

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JOUR 4830 - Directed Indiv Study (1-3)

Independent study and research, or practicum, or project under supervision. May be repeated for a maximum of 3 hours credit. PREREQUISITE: permission of instructor.

JOUR 4900 - Multimedia Visual Comm (3)

Development of a CD or DVD using graphic design and multimedia editing software. PREREQUISITE: JOUR 3900, or permission of instructor.

JOUR 4910 - Social Media Practices (3)

Introduction to basics of using social media in strategic ways as a reporter and/or a public relations or advertising professional; many changes in the media landscape and skills needed in today's media careers will be discussed.

JOUR 4998 - Multimedia News Lab (3)

Write, produce content for department Web site that will house multimedia stories on important, complex topic; course will mirror collaborative opportunities underway in industry and provide students with strongest material possible for portfolios. PREREQUISITE: JOUR 4120 and 4500.

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THEA

(THEA) THEATRE
Department of Theatre and Dance
Holly C. Lau, M.F.A., Chair
Room 143, Theatre and Communication Building
<http://www.memphis.edu/theatre/>

NOTE: In addition to specific prerequisites, junior standing or permission of the department chair is a prerequisite for all 3000- and 4000-level courses in the Department of Theatre and Dance.

NOTE: THEA 3601, 3602, 3603, 3604, 3605, 3606, 3607, 3608, and 3609 include preparation for and participation in departmental theatre productions. Individualized work is in the form of supervised laboratory situations. Running crews for season productions selected from participating labs. Each course may be repeated for a maximum of 3 hours credit with permission of the instructor.

In addition to the courses below, the department may offer the following Special Topics courses:

THEA 4210-19. Special Topics in Theatre. (1-3). Topics are varied and in the online class listings. May be repeated for a maximum of 9 hours credit when topic varies.

THEA 1030 - Intro to Theatre (3)

Experiential, conceptual, historical, and cultural study of theatre as a unique form of artistic expression and mirror of human experiences and values throughout the world; survey of constituent elements of a theatrical work and its major forms of expression. Attendance at live theatre productions required. [G]

THEA 1561 - Introduction to Design (3)

Historical and conceptual survey of basic elements of production, scenery, costumes, lighting, sound, and their relation to theatrical production process.

THEA 2501 - Stage Movement (3)

Introduction to movement as basic element of actor's craft; freeing the body/mind in order to understand, develop, recognize natural physical actions and rhythms and their application to stage. PREREQUISITE: permission of instructor.

THEA 2503 - Basic Keyboard Skills/Actors (1)

Study of basic keyboard ability to aid the comprehensive theatre professional.

THEA 2504 - Singing for the Actor (3)

Study of basic singing techniques. Specific emphasis will be placed on vocal aesthetics appropriate for the genre of American Musical Theatre. May be repeated for 9 hours credit.

THEA 2511 - Intro Theatre Production (3)

Lecture/laboratory covering all phases of craft skills and equipment involved in technical theatre production. Required lab work.

THEA 2512 - Intro Theatre Graphics (3)

Introduction to graphic communication processes of technical theatre. Mechanical drafting and CAD for scenery, properties, sound and lighting design; poster and program graphics. (Offered alternate years)

THEA 2513 - Basic Costume Construction (3)

Foundational, hands-on experience in the craft of garment construction, interpreting 2D theatre costume designs and executing them as stage worthy garments.

THEA 2515 - Stage Makeup (2)

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Supply Chain Management Science (SCMS)
Economics (ECON)

Fundamentals of theatrical makeup through hands-on projects in basic stage contour and corrective, old age and character, transformation and fantasy, as well as specialty techniques, such as scars, wounds. Introduction to fundamentals of facial hair and wig application. Open to non-majors with permission of instructor.

THEA 2530 - Acting/Non-Majors (3)

Introduction to craft of acting; development of actor's individual potential through basic technique; performance of short scenes in class.

THEA 2531 - Performance Fundamental (3)

Synergy of text, voice, and movement in the development of the performer's instrument. PREREQUISITE: permission of instructor.

THEA 2532 - Acting I (3)

Development of character through dramatic action utilizing monologue, scene, improvisational work. Two lecture hours, two laboratory hours per week. PREREQUISITE: THEA 2531, or permission of instructor.

THEA 3200 - Musical Theatre Applied Voice (1)

Individual vocal study with emphasis on musical theatre literature. May be repeated for a maximum of 3 hours credit. PREREQUISITE: THEA 2504 and 4224, or permission of instructor.

THEA 3212 - Dynamics/Vocal Prod I (3)

Interrelation of body and voice in performance; freeing the voice through posture related breathing; exploring phonation through body dynamics; using consonant energy in text. Two lecture hours, two laboratory hours per week. PREREQUISITE: permission of instructor.

THEA 3213 - Dynamics/Vocal Prod II (3)

Further explorations in the interrelation of body and voice in performance particularly pitch and resonance, consonant, tonal, and structural energies in text. Two lecture hours, two laboratory hours per week. PREREQUISITE: THEA 3212, or permission of instructor.

THEA 3412 - Directing Experiments (3)

Theatrical image; creative exercises in imaginative use of space, time, and materials as they relate to stage direction and design.

THEA 3505 - Movement Styles (3)

Mime, theatre related to dance and period movement styles. PREREQUISITE: THEA 2501, or permission of instructor.

THEA 3506 - Stage Combat (3)

Rapier, dagger, and unarmed combat. PREREQUISITE: permission of instructor.

THEA 3511 - Stagecraft (3)

Lecture/laboratory includes theatre terminology, theatre forms, production organization, job descriptions, and safety; scenery construction to include painting, flat scenery, three-dimensional scenery, and introduction to steel materials. Required lab work. (Offered alternate years) PREREQUISITE: THEA 2511.

THEA 3531 - Acting II (3)

Development of partnership work within scenes. Two lecture hours, two studio hours per week. PREREQUISITE: THEA 2532, or permission of instructor.

THEA 3532 - Acting III (3)

Development of ensemble work within scenes. Two lecture hours, two laboratory hours per week. PREREQUISITE: THEA 3531, permission of instructor.

THEA 3551 - Audition Prep Performance (3)

Exploration of audition process from material selection to final presentation; practical business information (resume, photo and job opportunities.) PREREQUISITE: permission of instructor.

THEA 3561 - Principles Scene Design (3)

Application of principles to various theatrical conventions and configurations. (Offered alternate years)

THEA 3562 - Principles Costume Dsgn (3)

Techniques of costume design with special attention to character interpretation and design visualization. Open to non-majors with permission of instructor. (Offered alternate years)

THEA 3601 - Mgmt/Publicity Prod Lab (1)

Finance (FIR)

Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

THEA 3602 - Costumes Production Lab (1)

THEA 3603 - Lighting Production Lab (1)

THEA 3604 - Sound Production Lab (1)

THEA 3605 - Scenery Production Lab (1)

THEA 3606 - Props Production Lab (1)

THEA 3608 - Dance Production Lab (1)

THEA 3609 - Stage Management (1)

May be repeated for a maximum of 3 hours credit with permission of instructor.

THEA 4211 - Stage Management (3)

This course will explore the basic tools and knowledge necessary for theatrical stage management.

THEA 4220 - Acting/Musical Theatre (3)

Exploration of techniques that allow the performer to fuse the act of acting and singing. Two lecture hours, two laboratory hours per week. PREREQUISITE: THEA 2532, MUAP 1100, 1610, or equivalency exam/audition and permission of instructor.

THEA 4221 - Stage Dialects (3)

Transcription for International Phonetic Alphabet (IPA). Voice and dialect technique for conveying dramatic intention and character. (Offered alternate years) PREREQUISITE: permission of instructor.

THEA 4222 - Asian Theatre (3)

History and theory of traditional and contemporary theatre forms in Asia; study of cultural and social history. PREREQUISITE: permission of instructor. (Offered alternate years)

THEA 4223 - Musical Theatre Perform Prac (3)

Study and practice in rehearsal and performance techniques in musical theatre production, including solo and group literature. Two lecture hours, two laboratory hours per week. PREREQUISITE: THEA 4220, or permission of instructor.

THEA 4224 - Principle/Music Theory/Theatre (3)

Study of basic written music theory and aural skills to aid the comprehensive theatre professional.

THEA 4441 - Performance Repertory (3)

Group performance in dramatic and narrative theatre styles as well as dance and theatre movement. May be repeated for a maximum of 9 hours credit.

THEA 4455 - Directing Narrative Theatre (3)

Directing techniques for staging literary texts not originally written for the theatre. Includes script adaptation of short stories, poetry, and non-fiction prose. Directing projects required. (Offered alternate years) PREREQUISITE: THEA 4521, or permission of instructor.

THEA 4457 - Vocal Style/Performance (3)

Exploration of language based characterization as it evolves from structure and style of text. PREREQUISITE: THEA 3212, or permission of instructor.

THEA 4501 - Adv Movement Styles (3)

Study in advanced physical theatre styles. Varied semester topics: performance art; fighting styles for period weapons, physical theatre techniques for theatre teachers, choreographers and directors. May be repeated for a maximum of 6 hours credit when content varies. (Offered alternate years). PREREQUISITE: permission of instructor.

THEA 4503 - Creative Dramatics (3)

Basic techniques and theories for use of dramatization in elementary and secondary education. Includes socio-drama, dramatization of school subjects and daily concerns, and improvisation and creation of dramatic plays. (Offered alternate years).

THEA 4514 - Theatre Rendering Techniques (3)

University College

[Family and Consumer Science \(CSED\)](#)
[Paralegal Studies \(LEGL\)](#)
[University College \(UNIV\)](#)

Independent Programs

[Orientation Program \(ACAD\)](#)
[University Honors Program \(UNHP\)](#)
[University of Memphis Libraries \(LBRY\)](#)
[Interdisciplinary Studies \(INTD\)](#)

Materials and techniques for rendering theatrical space and scenic, costume, lighting, and properties design elements. (Offered alternate years).

THEA 4515 - Scene Painting (3)

Lecture/laboratory covering techniques of painting scenery for stage. PREREQUISITE: THEA 3561. (Offered alternate years)

THEA 4516 - Technical Direction (3)

Lecture/ laboratory for theatre technicians includes production organization and safety, engineering, rigging, materials control and supply ordering. PREREQUISITE: THEA 3511. (Offered alternate years)

THEA 4521 - Principles of Stage Direction (3)

Exploration of conceptual, planning and implementation skills of stage director from script interpretation to rehearsal and performance; attention to both traditional and non-traditional theatrical modes. Directing projects required. (Offered alternate years) PREREQUISITE: THEA 3412, or permission of instructor.

THEA 4531 - Acting Styles (3)

Development of acting styles as influenced by environments of historical periods. May be repeated for maximum of 6 hours credit with change of course content. Two lecture hours, two laboratory hours per week. PREREQUISITE: THEA 3532, or permission of instructor.

THEA 4532 - Mask Performance (3)

Creation and performance of the character mask; development of the mask from construction to character realization. PREREQUISITE: permission of instructor.

THEA 4541 - Internship (1-3)

Supervised work in actual university, community, or professional theatre productions on internship basis. Credit varies with amount of time and responsibility involved. PREREQUISITE: permission of instructor.

THEA 4548 - Musical Theatre History (3)

Survey of the shaping forces, history, art and craft of American musical. (Offered alternate years)

THEA 4549 - Theatre History (3)

Shaping forces and theatrical forms from early civilization to present time; emphasis on Western culture. (Offered alternate years)

THEA 4551 - Dramatic Literature I (3)

Comprehensive survey of dramatic literature from Greeks to 20th century; emphasis on problems of production. (Offered alternate years)

THEA 4552 - Dramatic Literature II (3)

Comprehensive survey of dramatic literature from 20th century to present; emphasis on problems of production. (Offered alternate years)

THEA 4553 - Individual Studies Thtr (1-3)

For advanced student who wishes to do concentrated study in specific area of theatre. May be repeated for maximum of 9 hours credit. PREREQUISITE: permission of instructor.

THEA 4554 - Visual History I (3)

Design aesthetics of selected historical periods from ancient times through Victorian era as applied to theatrical design. PREREQUISITE: permission of instructor. (Offered alternate years)

THEA 4555 - Scenic Technology (3)

Lecture/laboratory using traditional and contemporary materials and scenic techniques including rigging, metals and welding, wood working, and plastics. PREREQUISITE: THEA 3511, or permission of instructor. (Offered alternate years)

THEA 4556 - Lighting Technology (3)

Study of technical principles that support areas of theatrical lighting design; instrumentation and equipment, electricity and electronics, control systems, operational and maintenance principles and procedures for stage electricians. (Offered alternate years)

THEA 4557 - Costume Technology (3)

Intermediate costume construction techniques employing both traditional and experimental methods for sewing; brings costume design from concept to reality. PREREQUISITE: THEA 3562, or permission of instructor. (Offered alternate years)

THEA 4558 - Visual History II (3)

Design aesthetics of selected historical periods from Victorian era through 20th century as applied to theatrical design. PREREQUISITE: permission of instructor. (Offered alternate years)

THEA 4559 - Thea/African Diaspora (3)

Exploration of selected playwrights and theatre practitioners of West and South Africa, Caribbean, and African-American descent. Course includes performance projects. May be repeated for a maximum of 6 hours credit when content varies. PREREQUISITE: permission of instructor. (Offered alternate years)

THEA 4561 - Scenic Design Studio (3)

Application of design principles to study of analysis, design process, and graphic skills; creative expression and portfolio development also stressed. (Offered alternate years)

THEA 4562 - Lighting Design Studio (3)

Lecture/seminar/practicum investigation of art of lighting design; script analysis, design approaches and methodologies, procedures and practices for working designers, cue techniques, design styles and forms, and criticism of lighting design. Research project work and staged scenes required. PREREQUISITE: THEA 4556, or permission of instructor. (Offered alternate years)

THEA 4563 - Costume Design Studio (3)

Theories and techniques of aesthetics of costume design as applied to contemporary theatre; script analysis for costume design; character and period interpretation through line, color, and fabric. (Offered alternate years)

THEA 4571 - Playwriting (3)

Theory and principles of writing plays for stage. Practice in writing either short or long play. May be repeated for maximum of 9 hours credit. (Offered alternate years) PREREQUISITE: permission of instructor.

THEA 4582 - Script Interpretation (3)

Exploration of the script as blueprint for realization of artistic stage image. Special attention given to plot, structure, character treatment, and language style as they relate to performance, direction, and scenography. PREREQUISITE: major or minor in Department of Theatre and Dance.

THEA 4591 - Theatre Management (3)

Procedures and practices for stage management; theatrical production management; box office; publicity and promotion for theatre and performing arts; comparative study of commercial, educational, and amateur theatre operations.

THEA 4592 - Theatre Architec/Facility Plan (3)

Processes and techniques employed by theatre planners in design and construction/renovation of theatrical spaces and structures; survey of theatre forms, historical development of theatrical structures and spaces, programming methods and procedures, specification, renovation techniques, multi-use structure concepts, and consultation procedures and practices. (Offered alternate years) PREREQUISITE: permission of instructor.

THEA 4595 - Sound Technology (3)

Technical principles that support areas of theatrical sound design; digital and analog equipment, audio signal theory and technologies, systems design, software, and operational principles and procedures for theatrical sound engineers. (Offered alternate years)

THEA 4596 - Sound Design Studio (3)

Lecture/seminar/practicum investigation of the art of theatrical sound design; script analysis, creative design processes and aesthetics, cue techniques, design styles and forms, procedures and practices for working designers and criticism of sound design. PREREQUISITE: THEA 4595, or permission of instructor. (Offered alternate years)

THEA 4631 - Acting for Film and TV (3)

Educational experience for actor in media of film and television. (Offered alternate years) PREREQUISITE: permission of instructor.

THEA 4982 - Honors Seminar (3)

Intensive study of particular problems in theatre and dance. May be repeated for a maximum of 12 hours credit when topic varies. PREREQUISITE: permission department chair

THEA 4999 - Senior Honors Thesis (3)

Supervised independent research project. Open only to students enrolled in the Theatre and Dance Honors Program. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission department chair.

Campus Directory

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MUAP

(MUAP) APPLIED MUSIC
Rudi E. Scheidt School of Music
Randal Rushing, D.M.A., Director
Room 123B, Music Building
<http://www.memphis.edu/music>

Applied music courses are divided into three categories, individual lessons in vocal or instrumental performance, musical ensembles, and classes.

Individual lessons in vocal or instrumental performance are offered as INTRODUCTORY INSTRUCTION, LOWER DIVISION, AND UPPER DIVISION applied music (see explanation below). Individual lessons in vocal or instrumental performance are given by university faculty who are members of the relevant Applied Music Division.

All students who wish to enroll in applied vocal or instrumental performance must perform an audition for the members of the appropriate Applied Music Division or for a designee of the appropriate division. Because the number of students who can be accepted is limited, it is advisable that the student audition as early as possible to be assured a place with the requested teacher. Practice facilities are provided without charge, but there are additional fees for the individual lessons (see the explanation below under FEES), and a fee is required for certain practice room keys.

Examinations for courses in which the student is to receive credit for applied music in vocal or instrumental performance are called Board Exams. For Board Exams, each student performs musical selections and/or technical exercises of a grade of difficulty appropriate to the level of instruction in which the student is enrolled. The board hearing the exam is made up of the members of the appropriate Applied Music Division (for further information, see the explanation below under EXAMINATIONS).

Undergraduate music majors at the University of Memphis are required to participate in School of Music large ensembles as assigned during each semester they are enrolled in individual lesson applied music study; each degree program has specific or general ensemble requirements (see above under the various degree requirements). Non-music majors enrolled at the University of Memphis as degree-seeking students may audition and, if accepted, enroll for applied instruction where staff time is available. If accepted at the Lower Division or Upper Division level for applied instruction, non-music majors must simultaneously enroll and participate in a large ensemble sponsored by the School of Music.

Any student enrolled at the University of Memphis may audition for applied jazz lessons as space permits. Any student accepted for applied jazz lessons must concurrently participate in an appropriate jazz ensemble or combo. Jazz ensemble assignments are made following the jazz auditions during registration week at the beginning of the semester.

All jazz and studio bass majors must simultaneously be enrolled in classical bass, MUAP 1541 until a level of proficiency equal to entrance into upper division is attained.

All jazz and studio guitar majors must take six semester hours of classical guitar which is the maximum allowable for credit toward the degree. If a student can meet the requirements in less time, and wishes to discontinue classical study, the student may do so with permission of the instructor and consultation with the jazz and studio faculty. In the event a student cannot meet the requirements after six semester hours of study, it is the student's responsibility to pursue classical guitar as an elective or until such time as requirements are met to the satisfaction of the guitar and jazz and studio faculty.

FEES: In addition to the regular student fees, all persons taking applied music will be assessed \$125 per semester for the half-hour lessons. Students registering for one (1) semester hour credit will receive one half-hour lesson per week. All others will receive one hour lesson per week regardless of credit hours at a fee of \$250. The integration

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

courses, Artist Recital and Senior Project in Music, are taught as applied and require a \$250 fee. The Senior Composition Recital and Senior Project in Music History are also taught as applied but do not carry a fee.

APPLIED MUSIC COURSES

In addition to the courses below, the department may offer the following Special Topics courses:

MUAP 4260-69. Special Topics in Applied Music. (1-3). Topics are varied and in the online class listings.

Instrument	Introductory	Lower	Upper
	Instruction	Division	Division
	1 hour	2-3 hours	2-4 hours 4000 level 1-2 hours 6000 level
Trumpet	1110	1111	4111-6111
Horn	1120	1121	4121-6121
Trombone	1130	1131	4131-6131
Jazz Trombone		1132	4132
Tuba	1140	1141	4141-6141
Euphonium		1142	4142-6142
Cornet	1150	1151	4151-6151
Sackbut	1160	1161	4161-6161
Piano	1310	1311	4311-6311
Harp	1320	1321	4321-6321
Organ	1330	1331	4331-6331
Percussion	1410	1411	4411-6411
Ethnic Percussion	1413	1414	4414-6414
Jazz Mallets	1415		
Violin	1510	1511	4511-6511
Baroque Violin		1512	4512-6512
Viola	1520	1521	4521-6521
Cello	1530	1531	4531-6531
Bass	1540	1541	4541-6541
Guitar	1550	1551	4551-6551
Harp	1560	1561	4561-6561
Viola da Gamba	1570	1571	4571-6571
Voice	1610	1611	4611-6611
Flute	1710	1711	4711-6711
Oboe	1720	1721	4721-6721
Clarinet	1730	1731	4731-6731
Saxophone	1740	1741	4741-6741
Jazz Saxophone		1742	4742
Bassoon	1750	1751	4751-6751
Recorder	1760	1761	4761-6761
Jazz Trumpet		1112	4112
Jazz Piano		1312	4312
Jazz Percussion		1412	4412
Jazz Bass		1542	4542
Jazz Guitar		1552	4552
Jazz Voice		1612	4612

Finance (FIR)
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Dance (DANC)
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Journalism (JOUR)
Theatre (THEA)

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Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

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Counseling, Educational Psychology and Research

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Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

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Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Applied Music Lessons consist of individual instruction on the above listed instruments as well as attendance at weekly studio classes run by the instructor for the individual instruments. Studio class attendance is required for music majors. Studio classes generally meet on Fridays at 12:35 p.m., but students should contact the instructor for the exact day and time their studio class meets. In addition, music majors enrolled in applied lessons must also attend the area workshops scheduled in their respective areas.

REGISTRATION: Students will register for lessons in the same manner and at the same time as they register for other courses; however, students may not be assigned to a course number until they have auditioned. Auditions are held in the Music Building on specific days throughout the year as posted on the School of Music website (<http://www.memphis.edu/music>). Auditions may be scheduled in the School of Music Admission Office, Room 125, Music Building. Any inquiries concerning credits or course numbers should be directed to the Associate Director for Undergraduate Studies of the School of Music.

CREDITS AND GRADES: Students earning more than two credits per semester in applied lessons will be assigned additional practice and material, and will be expected to perform at a higher level than those students registered for two credits.

REPETITION OF COURSES: MUAP courses in individual lessons, small ensembles, and large ensembles may be repeated for credit but not for the purpose of improving the grade originally earned.

EXAMINATIONS: For an examination in applied music, students will prepare and perform for members of the faculty of the School of Music suitable musical selections and technical exercises of a grade of difficulty appropriate to their standing. Examinations are held in designated rooms on days set aside for this purpose near the end of each semester. Credit for the course will not be awarded to any student who fails to take the examination.

INTRODUCTORY INSTRUCTION: Any student may audition for lessons at the one-hour level except in organ; organ students must have the ability to play the piano before beginning organ instruction. A student may not receive more than two hours credit in any one area of introductory level instruction. The fee for introductory level instruction will be the same as for one half-hour lesson per week: \$125 per semester.

LOWER DIVISION COURSES: Applied music courses in the lower division include the study normally carried out during the freshman and sophomore years. Piano or instrumental students at this level should have had several years of intensive study prior to university entrance so that they have a secure, reliable, and well-grounded technique on the instrument. Organ students may begin at this level provided that they play the piano well and have reasonable ability in sight-reading. Those who do not meet this requirement will register for MUAP 1310. To be admitted to lower division study a student must first pass a qualifying examination.

Students who fall short of the requirements for admission to the lower-division courses will be advised to register for introductory instruction until deficiencies are eliminated. Course numbers will be repeated for each semester of study.

UPPER DIVISION COURSES: Promotion to the upper division does not follow automatically after the completion of four semesters of courses in the lower division but is made only on the recommendation of the upper division examining committee; such a recommendation will be made only if the student's proficiency as a performer bears promise of future artistic and professional qualities as a soloist. It is at this level that the student normally begins preparation for a recital.

JUNIOR RECITAL, ARTIST RECITAL, and SENIOR PERFORMANCE PROJECT: The Junior Recital is required for the Performance Concentration under the Bachelor of Music in Music degree. The Artist Recital is required for the Performance Concentration. The Senior Performance Project is required under the School of Music Concentration. The Artist Recital and the Senior Performance Project are integration courses for which the student must prepare both a public recital and a paper. To register for the Junior Recital and the Senior Performance Project, students must have successfully completed at least two years of credit in upper division lessons in their applied area. To register for the Artist Recital, students must have successfully completed at least four hours of credit in upper division lessons in their applied area. The Junior Recital must be approved by the appropriate applied music faculty through a hearing. Both the musical and the written portions of the Artist Recital and the Senior Performance Project must be approved by the appointed faculty committee through a reading and a hearing. Upon approval, the student may schedule a date for the public performance and make arrangements for the printing of the program. The public performance must be presented no later than two weeks after the date of the hearing.

SMALL, CHAMBER, AND SPECIALIZED ENSEMBLES: Advanced students are encouraged (and for certain degree plans are required) to participate in the following groups. Selection for membership is based on audition; courses may be repeated with the approval of the student's advisor. Three one-hour meetings per week.

University College

Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
University College (UNIV)

Independent Programs

Orientation Program (ACAD)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)
Interdisciplinary Studies (INTD)

Chamber Music Strings
Chamber Music Keyboard
Brass Ensemble
Woodwind Ensemble
Percussion Ensemble
Double Bass Ensemble
Guitar Ensemble
Cello Ensemble
Trombone Ensemble
Tuba Ensemble
Jazz Combo
Contemporary Chamber Players
Collegium Musicum
Chamber Choir
Opera Workshop
Sound Fusion
Pep Band

LARGE ENSEMBLES

All music students must take a minimum of eight (8) semesters of ensemble. The exact number of small ensembles is determined by each division and major concentration. Therefore, it is necessary to consult with your advisor for the specific outline for your applied area and degree program. Transfer students lacking sufficient large ensemble credits should consult with their advisor and/or the department chair to determine a method of satisfying the ensemble requirement. Ensemble assignments are based on audition and may be repeated. Any exception to this general ensemble policy may be made after a review of petitions by the Associate Director for Undergraduate Studies, the appropriate ensemble director, and the applied studio teacher.

Orchestra
Wind Ensemble
Marching Band
Symphonic Band
University Band
University Singers
Collegiate Choir (Only for MUID students and others assigned by the Director of University Singers)
University Instrumental Jazz Ensemble
University Vocal Jazz Ensemble

MUAP 1100 - Class Piano Non-Major (1)

Beginning instruction in piano for non-music majors; development of basic reading and performance skills.

MUAP 1105 - Class Inst Piano I (1)

Basic technique, with emphasis on sight-reading. PREREQUISITE: MUTC 1001 or permission of instructor.

MUAP 1106 - Class Instr Piano II (1)

Playing of songs used in school music teaching; community songs, and hymns. PREREQUISITE: MUAP 1105; MUTC 1008, 1010.

MUAP 1116 - Jazz Class Piano (1)

Basic harmonic patterns, chord symbol realization, voicing, basic rhythmic patterns. PREREQUISITE: MUSE 1105, or equivalency exam.

MUAP 2001 - Symphonic Band (1)

Performance of traditional and contemporary wind compositions. Participants chosen from this ensemble for basketball pep-bands. Open to music majors and non-music majors.

MUAP 2002 - Marching Band (2)

Selected ensemble that performs at all home football games and occasional out-of-town games in each season. Rehearsal approximately ten hours weekly. Open to music majors and non-music majors.

MUAP 2003 - University Band (1)

Concert performance of traditional and contemporary wind compositions. Participants are chosen from this ensemble for basketball pep-bands and usually have participated in Fall marching band. Open to music majors and non-music majors.

MUAP 2004 - University Gospel Choir (1)

Ensemble open to all students. Music includes contemporary gospel, spirituals, and gospel hymns. Serves as outlet for students interested in developing musical and personal capacities. Open to music majors as elective. Two class meetings per week.

MUAP 2007 - Collegiate Choir (1)

Choir for music and non-music majors; study and perform choral literature from variety of style periods and origins.

MUAP 2008 - Pep Band (1)

The Pep Band is a selected ensemble that performs at all men's and women's home basketball games, and occasional conference and national tournaments out-of-town each season. Rehearsals are approximately one hour weekly from November through March. Members chosen for this ensemble usually have participated in Marching Band in the previous fall semester. Open to music and non-music majors.

MUAP 2107 - Class Instruction in Piano III (1)

Simpler Bach chorales, more difficult songs and accompaniments, appropriate to the student's major field. PREREQUISITE: MUAP 1106; MUTC 1009, 1011.

MUAP 2108 - Class Instruct Piano IV (1)

Piano repertoire and technique, accompaniments, harmonization, transposition, and sight reading to satisfy the core requirements of the piano proficiency exam. Requirements vary according to the student's concentration area and the degree emphasis. PREREQUISITE: MUAP 2107; MUTC 1009, 1011.

MUAP 2201 - Techniques in Woodwind Instru (1)

Introduction to historical woodwind instruments; historical playing techniques for both historical and modern instruments.

MUAP 3004 - Wind Ensemble (1)

Select ensemble of instrumentalists. Study and performance of outstanding repertory for wind ensembles. Open to music majors and non-music majors through audition.

MUAP 3005 - University Orchestra (1)

Study and performance of major orchestral literature. Additional opportunities for opera, chamber-orchestral and chamber ensemble performance. Audition required.

MUAP 3006 - University Singers (1)

Study and performance of choral works from broad spectrum of choral literature; sacred, secular, accompanied and a cappella. Open to music majors and non-music majors through audition.

MUAP 3007 - Opera Chorus (1)

Choral ensemble for opera productions with exploration of related stage techniques. Extra rehearsals at discretion of conductor. Audition required.

MUAP 3008 - Oratorio Chorus (1)

Study and performance of major works primarily oratorio in nature. Open to music majors, non-music majors and the off-campus community. Audition required.

MUAP 3012 - Univ Instrumentl Jazz Ensemble (1)

Study and performance of varied jazz styles, including repertory from standard big band literature and studio ensembles. Open to music majors and non-majors through audition. This course will meet large ensemble requirements for Music Industry majors only.

MUAP 3013 - Univ Voice Jazz Ensemble (1)

Study and performance of varied jazz styles, including repertory from standard big band literature and studio ensembles. Open to music majors and non-majors through audition. This course will meet large ensemble requirements for Music Industry majors only.

MUAP 3014 - Recording Studio Instr Ensembl (1)

Ensemble performs and records works written by students in the Music Industry program. This course will meet large ensemble requirements for Music Industry majors only.

MUAP 3015 - Recording Studio Vocal Ensmble (1)

Ensemble performs and records works written by students in the Music Industry program. This course will meet large ensemble requirements for Music Industry majors only.

MUAP 3016 - Sound Fuzion (1)

Preparation and performance of vocal/instrumental music from American popular culture. May be repeated for credit. Entrance by audition.

MUAP 3101 - Brass Ensemble (1)

Practical applications of brass performance techniques for a small chamber ensemble, one performer to a part; survey of brass chamber music. PREREQUISITE: permission of instructor.

MUAP 3103 - Jazz Combo (1)

Practical application of basic jazz improvisatory skills; combo experiences in all jazz styles; traditional, bop, contemporary. Audition required.

MUAP 3104 - Collegium Musicum (1)

Use of early musical instruments and voice in performance of early music; primary sources used in preparation of performances. PREREQUISITE: permission of instructor.

MUAP 3301 - Chamber Music/Keyboard (1)

Collaborative performance for pianist, harpsichordists, and organists with keyboard, brass, winds, strings, percussion, and vocalists; open to students in keyboard concentration and others through audition.

MUAP 3401 - Percussion Ensemble (1)

Study and performance of selected traditional, contemporary, avant garde and pops percussion literature. Open to students in percussion concentration and others through audition.

MUAP 3402 - Contemporary Chamber Player (1)

Ensemble of mixed and variable instrumentation; performance of repertoire written since 1900 and little known works of other periods. Primary goal of ensemble: to provide experiences in solving unique performance problems of contemporary music. PREREQUISITE: permission of instructor.

MUAP 3403 - Orff Ensemble (1)

Study and performance of literature written for Orff instruments, including barred percussion, unpitched percussion, and recorder.

MUAP 3501 - Chamber Music/Strings (1)

Study and performance of string chamber music repertory. Coaching sessions weekly with a member of music faculty. Open to music majors and non-majors through audition.

MUAP 3503 - Double Bass Ensemble (1)

Study and performance of works for bass ensemble. Open to music majors and non-majors through audition.

MUAP 3504 - Guitar Ensemble (1)

Study and performance of works for guitar ensemble. Open to majors and non-majors through audition.

MUAP 3505 - Cello Ensemble (1)

Study and performance of works for cello ensemble. Open to music majors and non-majors through audition.

MUAP 3506 - Trombone Ensemble (1)

Study and performance of repertory for multiple trombones. Open to music majors and non-music majors through audition.

MUAP 3507 - Tuba Ensemble (1)

A performance based ensemble that addresses significant technical and musical challenges typically not met for the tuba and euphonium in other ensembles. Literature performed in this group consists of serious original compositions for tuba ensemble, transcriptions of orchestral literature, and lighter transcriptions. The ensemble will perform on campus for Octubafest and in the community for Tubachristmas. Other performances include regional, national, and international conferences.

MUAP 3508 - Trumpet Ensemble (1)

Study and performance of works for trumpet ensemble. Open to music majors and non-majors through audition.

MUAP 3601 - Chamber Choir (1)

Vocal ensemble specializing in choral music from the Renaissance to the present. Open to music majors and non-music majors through audition.

MUAP 3602 - Opera Workshop (1-6)

MUAP 3603 - Opera Soloists (1)

Preparation and performance of role in major production of University Opera Theater. Audition required.

MUAP 3604 - Opera Production Lab (1-6)

MUAP 3701 - Woodwind Ensemble (1)

Study and performance of original and transcribed works for varied combinations of woodwind instruments. Audition required.

MUAP 3999 - Junior Recital (1)

MUAP 4004 - Orchestral Excerpts (2)

Study and performance of selected orchestral excerpts suitable for auditions. PREREQUISITE: permission of instructor.

MUAP 4103 - Jazz/Studio Ensemble Techniques (3)

(CMUS). Jazz and studio performance styles and practices, emphasizing ensemble rehearsal and conducting techniques, articulation, phrasing, balance and blend, line dominance, and recording studio performance skills. (F). PREREQUISITE: MUTC 3828.

MUAP 4263 - Reed Making (1)

Topics are varied and in the online class listings.

MUAP 4301 - Acting for Opera I (3)

Essential acting techniques for singers, with special attention to application to operatic stage.

MUAP 4302 - Acting for Opera II (3)

Essential acting techniques for singers, with special attention to application to operatic stage.

MUAP 4801 - Individual Study Applied Music (1-3)

Directed individual instruction in applied area not listed under MUAP. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of director.

MUAP 4895 - Sr Proj Jazz/Studio Perform (3)

(CMUS). Project must include live and recorded performances demonstrating the student's mastery of various styles of jazz and popular music performance. PREREQUISITE: upper division standing in applied music, MUTC 3827, or permission of instructor.

MUAP 4999 - Artist Recital (4)

Integration course in which knowledge and skills developed in music history, music theory, and applied music courses are utilized systematically in the preparation and presentation of a public musical performance and of an accompanying descriptive paper. Taught as applied music, individual instruction. PREREQUISITE: a minimum of 4 hours upper division lessons; permission of the instructor.

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MUS 1030 - Music Appreciation (3)

Music of various Western and non-Western cultures and historical periods, including the creative process, the formal elements of music and musical styles, genres, and media. Attendance at some concerts required. NOTE: May not be used to satisfy requirements for degrees in Music. [G]

MUS 1040 - Music in America (3)

American music history, sources and current styles; elements of music, genre, and media. Attendance at some concerts required. NOTE: May not be used to satisfy requirements for degree in Music. [G]

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Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

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Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
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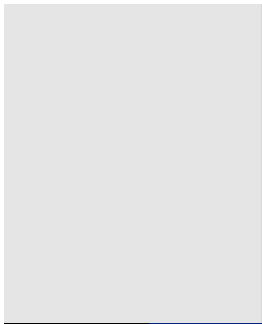
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FIELDS OF ENDORSEMENT FOR TEACHING: For students in the Music Education Concentration of the Bachelor of Music in Music degree, endorsement may be obtained in Instrumental/General Music and in Choral/General Music. Normally, a student can expect to be recommended in only one of these areas. Choral Music applicants should be able to play piano accompaniments of moderate difficulty, should possess an adequate solo voice for school music purposes, and should participate in a variety of choral ensembles. Instrumental Music applicants should study one instrument of major emphasis and participate in large instrumental ensembles. Successful completion of a Junior recital is required in both areas.

In addition to the courses below, the department may offer the following Special Topics courses:

MUSE 4260-69. Special Topics in Music Education. (1-3). Topics are varied and in online class listings.

MUSE 1101 - Class Inst Brass (1)

Basic performance skills and teaching techniques on trumpet, trombone, French horn, baritone horn and tuba for those who intend to teach instrumental music in schools. (SP)

MUSE 1103 - Class Inst Percussion (1)

Basic performance skills and teaching techniques on snare drum, timpani, and keyboard percussion instruments for those who intend to teach instrumental music in schools. (F)

MUSE 1104 - Class Inst Woodwinds (1)

Basic performance skills and teaching techniques on clarinet, flute, saxophone, oboe, and bassoon for those who intend to teach instrumental music in schools. (SP)

MUSE 1112 - Class Inst Voice (1)

Fundamentals of vocal production useful for all music teachers.

MUSE 1116 - Class Instr Strings (1)

Basic performance skills and teaching techniques on violin, viola, cello, or double bass for those who intend to teach instrumental music in schools. (F)

MUSE 1118 - Guitar Nonmusic Major (2)

Beginning instruction in classical guitar for non-music majors; development of basic reading and performance skills.

MUSE 1119 - Guitar/Music Teacher (1)

Basic guitar technique, chording and folk style accompaniments; prepares students for effective teaching in general music classes.

MUSE 2002 - Foundations Music Ed (2-3)

Development of philosophical foundation for music education professionals; values, attitudes and work habits of the effective teacher will be stressed; field experiences and techniques of observation.

MUSE 3101 - Functional Keyboard Skills (1)

Functional keyboard harmony and sight reading skills designed for keyboard majors. PREREQUISITE: MUTC 1009, 1011. (SP-odd years)

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MUSE 3700 - Basic Conducting (2)

Development of conducting skills; basic baton principles, rhythmic analysis, expressive techniques, phrasing, and multimetered problems; class meetings require performing as instrumentalist or vocalist as well as conductor. Three class hours per week. (F).
PREREQUISITE: MUTC 1009/1011.

MUSE 4201 - Individual Study Music Educatn (1-3)

Individual study of problems and opportunities faced by person who teaches music in schools; for classroom teachers, music teachers, supervisors, principals, and administrators. May be repeated for a maximum of 6 hours credit, but not for the purpose of changing original grade.

MUSE 4205 - Marching Band Technique (2)

Organizing and conducting marching band; gridiron charting; marching procedures; study of precision drill, formation, pageantry. PREREQUISITE: permission of instructor.

MUSE 4208 - Band Literature (3)

History and evolution of wind instruments and wind instrument playing and the history and development of the wind band and its literature, with general background material on the specific composers involved. (SP)

MUSE 4209 - Piano Tuning/Repair (2)

Concentrated study of basic techniques involved in piano tuning and adjustment. Some basic tools required.

MUSE 4211 - Vocal Diction I (2)

Phonetic study of English and Italian languages in detail; introduction and basic rules of Latin pronunciation; International Phonetic Alphabet transcription of songs and arias. Open to collaborative pianists only or by permission of instructor. (Alternate years)

MUSE 4212 - Vocal Diction II (2)

Phonetic study of Italian, French, and Spanish in detail, including IPA transcription of songs and arias and class performance. Other languages (Russian, Hebrew, etc.) may be covered as time permits. (Alternate years)

MUSE 4213 - Mat/Meth General Music (3)

(4203). Philosophy, methods and materials for teaching non-performance music classes in secondary schools, grade 7-12; demonstration and simulation of classroom teaching at this level. TEP Restricted. PREREQUISITE: MUSE 2002. (F)

MUSE 4215 - Jazz Ensemble Technique (1)

Jazz phrasing, articulation; ensemble settings; repertoire selection; administration of school jazz program. PREREQUISITE: permission of instructor.

MUSE 4251 - Guitar Pedagogy (3)

Principles of and materials for teaching classical guitar.

MUSE 4403 - Material/Meth Inst Musc 9-12 (3)

Designed to prepare the instrumental music teacher to teach music concepts to intermediate and advanced players in mixed instrumental group settings. Instruction methodologies and materials, objectives, evaluation, motivation, and administration stressed. (F) PREREQUISITE: MUSE 2002 and junior standing in music.

MUSE 4405 - Matr/Method Choral Mus 7-12 (3)

Selected materials and methods of practical concern to the vocal-choral music specialist; consideration of music series, scheduling techniques, voice class development, choral publishers, units of study. (F) PREREQUISITE: MUSE 2002 and junior standing in music. COREQUISITE: MUSE 4406.

MUSE 4501 - Piano Pedagogy I (2)

Training teachers for beginning through intermediate level piano instruction. Establishing strong artistic, musical and technical foundations. (F) PREREQUISITE: permission of instructor.

MUSE 4503 - Piano Pedagogy II (2)

Training teachers for advanced piano instruction; extensive readings from renowned artist-teachers and performers; development of ideation and memorization skills; observations and supervised practice teaching. (SP) PREREQUISITE: MUSE 4501 or permission of instructor.

MUSE 4505 - Collab Piano Technique (2)

Performance class involving practical study of instrumental and vocal standard repertory and the problems of ensemble playing; facility in sight-reading and ability to assimilate music rapidly; score reading, transposition, and figured bass realization introduced as skills necessary to well rounded musicianship. (SP) PREREQUISITE: permission of instructor.

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MUSE 4506 - Suzuki String Pedagogy I (3)

Required of students who plan to serve as apprentice string teachers in U of M Suzuki Talent Education program. Basic instruction in Suzuki philosophy; participation with parents and children in Suzuki string classes.

MUSE 4508 - Prin of Suzuki Piano (3)

Suzuki philosophy applied to development of the child's abilities and role of teacher and parent. Students will analyze technical and musical instruction of beginning piano student. (F) PREREQUISITE: upper division piano skills.

MUSE 4509 - Suzuki String Pedagogy II (3)

Literature and technique taught in Suzuki Violin School; fundamental technique, development of posture, tone and listening ability in beginning students; analysis of pedagogical material. Required of students who plan to serve as apprentice teachers in U of M Suzuki String Program. PREREQUISITE: MUSE 4506.

MUSE 4510 - Suzuki String Pedagogy III (3)

Literature and technique taught in Suzuki Violin School; emphasis on development of advanced student; laboratory experience in U of M Suzuki String Program. Required of students planning to be apprentice teachers in U of M Suzuki String Program. PREREQUISITE: MUSE 4509.

MUSE 4511 - Class Piano Pedagogy (3)

Group instruction techniques in teaching of beginning, intermediate, and early advanced piano. Emphasizes observation and practical application. For the piano major and/or prospective piano teacher. (SP - even years) PREREQUISITE: upper division level in keyboard or permission of instructor.

MUSE 4513 - Suzuki String Pedagogy IV (3)

Analysis of pedagogical materials and techniques introduced in volumes five and six of Suzuki Violin School. PREREQUISITE: MUSE 4509.

MUSE 4514 - Brass Pedagogy (3)

Examination of current literature, principles, methods and psychology in brass playing and teaching. Students will participate in videotaped teaching assignments which will be used to improve one-to-one teaching skills in the studio setting.

MUSE 4520 - Percussion Pedagogy (3)

Basic principles of and materials for teaching percussion instruments.

MUSE 4521 - Woodwind Pedagogy (3)

Principles of and materials for teaching flute, oboe, clarinet, bassoon, and saxophone.

MUSE 4523 - Vocal Pedagogy (2)

Basic principles of and materials for teaching young singers.

MUSE 4601 - Integrative Arts (3)

(MUHL 4601). Cultural activities in their interrelation with each other and with corresponding historic and economic events. Open without prerequisite to non-music majors of junior and senior standing.

MUSE 4700 - Instrumental Conducting (2-3)

Various problems encountered in preparation and conducting of instrumental scores; individual practice with opportunity for each student to conduct instrumental groups. Three class hours per week. PREREQUISITE: MUSE 2002, 3700, MUTC 2008/2010.

MUSE 4701 - Choral Conducting (2-3)

Various problems encountered in preparing and conducting traditional and contemporary vocal scores; rehearsal techniques; individual practice with laboratory groups. Three class hours per week. PREREQUISITE: MUSE 2002, 3700 MUTC 2008/2010.

MUSE 4802 - Level I Orff-Schulwerk (1-3)

Basic Orff-Schulwerk techniques including body movement, soprano recorder, percussion, vocal performance, improvisation and arranging. PREREQUISITE: junior standing in music education or equivalent experience.

MUSE 4911 - Student Teaching/Music (9)

Full-time planned and supervised teaching experience in music providing opportunities to synthesize knowledge and skills and demonstrate professional competencies in educational settings. PREREQUISITE: MUSE 2002 and approval of music education faculty. COREQUISITE: MUSE 4999.

MUSE 4999 - Professional Seminar (3)

Seminar to be taken concurrently with student teaching requiring student to analyze practices, solve problems and review timely material pertinent to the field of music

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education; emphasis on addressing concerns and questions arising in student teaching settings. PREREQUISITE: MUSE 2002. COREQUISITE: MUSE 4911.

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MUHL 4260-69. Special Topics in Music History. (1-3). Topics are varied and announced in the online class listings.

MUHL 3301 - History of Music to 1700 (3)

Development of significant musical styles; attention to individual contribution of major composers. PREREQUISITE: MUTC 1009/1011. (F)

MUHL 3302 - History of Music since 1700 (3)

Continuation of MUHL 3301. PREREQUISITE: MUTC 1009/1011. (SP).

MUHL 3303 - Western Music History (3)

Study of major style periods in Western Music History for the non-performance student of music.

MUHL 3304 - Music History Review (3)

Review of genres, repertoires, major figures, and development of western music. May not be used to fulfill any course requirement in the B.M. degree.

MUHL 4001 - Piano Repertory (2)

Survey of stringed keyboard repertory from Bach and his contemporaries to the present. Representative works analyzed regarding historical, stylistic, formal and aesthetic features. PREREQUISITE: junior standing in music or permission of instructor. (F)

MUHL 4002 - Song Repertory I (2)

Survey of solo literature from the Italian, British Isles, and German Schools of song.

MUHL 4003 - Song Repertory II (2)

Survey of solo literature from the French, Scandinavian, and American Schools of song.

MUHL 4005 - History/Literature of Organ (3)

Literature for the organ and its effect on and interaction with organ design.

MUHL 4008 - The Symphony (3)

Survey of development of the symphony for 18th century to present with focus on important composers and works; discussion of orchestration and form, aesthetics, performance practice.

MUHL 4009 - Choral Literature I (3)

Survey of choral repertoires from Gregorian chant to 1700; contemporary performance practices; techniques of performing early choral music with modern mixed choirs.

MUHL 4010 - Choral Literature II (3)

Survey of choral repertoires from 1700 to present; contemporary performance practices; problems of modern performance.

MUHL 4011 - String Quartet Literature (3)

History of string of quartet; survey of its music from Haydn to present; problems of performance.

MUHL 4012 - Hist Chamber Music/Wind Instr (3)

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International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
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Religious Studies (RLGN)
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Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
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Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

History of chamber music for brass and woodwind instruments from medieval through modernist periods; instruments, types of ensembles, musical sources, notation, repertory, and performance practice.

MUHL 4013 - Women and Music (3)

Investigation of roles women have played throughout history of Western art music, music they have composed, performed, inspired.

MUHL 4014 - Chamber Music/Piano (3)

Study of development of works for piano and one other instrument; piano trios, piano quartets; piano quintets; stylistic analyses of works from classic, romantic, and twentieth-century repertory.

MUHL 4015 - Guitar Literature (3)

Basic repertory of classical guitar and its predecessors from the middle ages to the present.

MUHL 4016 - Jazz Vocal Styles (3)

Survey of jazz vocal styles from the 1920's through the present, incorporating listening, lecture, and analysis. Recorded works by important figures from each style and period will be studied.

MUHL 4020 - Solo Brass Literature (3)

Examination, evaluation and critique of solo repertoire for brass instruments. Reference books and material will be examined as well as the development of specific courses of study for each instrument.

MUHL 4021 - American Amateur Brass Band (3)

History and circumstances of the American amateur band movement in the 19th and early 20th centuries; practical exploration of its musical repertory. PREREQUISITE: MUHL 3302, or permission of instructor.

MUHL 4022 - Early Chamber Music (3)

Study of repertoires for small groups of strings and winds from the middle ages to 1700.

MUHL 4030 - Percussion Repertory (3)

Survey of available literature for percussion instruments.

MUHL 4259 - Studies in Bibliography (3)

Bibliographic techniques in music history; study and cataloging of standard reference materials; research practices and ethics. Preparation of the Senior Project prospectus.

MUHL 4262 - European Orchestral Repertoire (1)

Study Abroad to Austria, Germany, and Switzerland.

MUHL 4406 - 20th Century Music (3)

Advanced study of music in its historical context from 1900 to the present.

MUHL 4407 - History of Opera (3)

Survey of opera before Richard Wagner; Wagner's music dramas and operas of his contemporaries; dramatic and musical significance of each phase of development of two forms. PREREQUISITE: MUHL 3301, 3302; or permission of instructor.

MUHL 4500 - String Repertory (3)

Histories, texts, methods, periodicals, orchestral studies, and solo and ensemble literature of the individual string instruments.

MUHL 4800 - World Musical Styles (3)

Musical styles and role of music performance in preliterate and folk societies throughout world. (SP)

MUHL 4801 - American Folk/Popular Music (3)

Folk and popular elements in American music; role of mass media, especially phonograph record, in utilizing and changing folk music; historical development and interrelationships of various musical styles ranging from 19th century minstrelsy to roots of rock and roll; emphasis on southern Anglo-American and Afro-American folk and popular musical styles. (F)

MUHL 4803 - Indiv Study in Music History (1-3)

Directed individual study in selected areas of music history chosen in consultation with instructor. May be repeated for credit with permission of director. May be repeated for a maximum of 6 hours credit.

MUHL 4804 - Blues (3)

Stylistic development of blues music from its beginnings; its relationships to African-American and American culture and history. (F)

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Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

MUHL 4805 - History of Rock and Roll (3)

Stylistic origins and development of rock and roll music from its beginnings to the present.

MUHL 4806 - History of Jazz (3)

Stylistic origins and development of jazz; interaction of jazz and Western classical music styles.

MUHL 4807 - Memphis Music (3)

Most distinctive forms of folk and popular music in Memphis in the twentieth century; relationships to history, culture, and social patterns of the city and mid-south region; folk music background; blues, jazz, country music, gospel music, and rock and roll emphasized. (Sp)

MUHL 4999 - Music History Senior Project (3)

Preparation for an article length paper on original topic in music history or ethnomusicology under supervision of advisor. PREREQUISITE: minimum of 9 hours in advanced music history course and permission of instructor.

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In addition to the courses below, the department may offer the following Special Topics courses:
MUID 4260. Special Topics in Commercial Music. (1-3). Topics are varied and in online class listings.

MUID 1001 - Intro Music Technology (1)

Basic introduction to music technologies available to the musician; introduction to software, hardware, and basic tenets of MIDI sequencing, notation, composition, studio audio production CR ROM availability, CD/DVD technology. PREREQUISITE or COREQUISITE: MUTC 1001 or MUTC 1008.

MUID 2201 - Intro to Music Industry (2)

Exploration of all aspects of recording industry; career opportunities; on-stage and behind stage scenes; organization of music business; how music business generates and distributes revenue; day-to-day operations of record labels, studios, publishing, production, promotion, management companies.

MUID 3103 - Contmp Songwrt/Prod Technique (3)

Process of developing an idea into a commercially viable song and applying production techniques for maximum commercial potential. PREREQUISITE: MUTC 2103, or permission of instructor.

MUID 3105 - Music/Mktg/Promo/Mgmt (3)

Tactics, strategies and challenges involved in developing and managing the career of a contemporary recording artist including the creation of press packages, demo tapes, and other marketing materials in order to secure a record deal or promote an existing recorded project; exploration of all aspects of marketing and promotion, including concert and radio promotion, advertising and publicity, including the creation of a marketing plan and budget. PREREQUISITE: MUID 2201, MKTG 3010, MGMT 3110.

MUID 3506 - Internet Distr/Comm Music (3)

Independent music promotion; instruction on current state and future of internet distribution; how to develop an online fan-base, build a website, sell CDs, music downloads; broadcasting music on internet radio and securing internet recording contracts or distribution deals. PREREQUISITE: MUID 2201.

MUID 3800 - Recording Studio Technology (3)

Detailed examination of basic theory, operational concepts and technologies upon which modern audio production is based; exploration of creative production techniques used to enhance music recordings. PREREQUISITE: sophomore standing, completion of MATH 1830, TECH 1811, and permission of instructor.

MUID 3801 - Digital Data Structures (2)

Focus on needs of practicing audio engineer. Concepts and practices of using equipment commonly found in electronic music studios with emphasis on digital audio workstation; sampling, synthesis, MIDI, patching, editing, synchronization, signal processing and creative commercial production techniques. PREREQUISITE: computer literacy, MUID 3800 and permission of instructor. NOTE: Basic computer operations will not be covered. Students must be proficient with Macintosh or Windows environment including; basic system operations, data backup functions, file manipulation, data translation and common application programs.

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MUID 3802 - Audio Rcrd/Non Tech Maj (3)

Equipment, techniques, musical production values and technology commonly used in modern audio production. Designed to give music business major an understanding of production process and to enhance studio musician's ability to provide creative services during recording sessions. PREREQUISITE: sophomore standing and permission of instructor.

MUID 3901 - Critical Listening I (1)

Detailed examination of qualitative aspects of audio; development of critical listening skills including identification of frequency and time domain anomalies, distortions, amplitude changes, dynamics, and spatial positioning in simple audio sources; anatomy of human ear; psychoacoustics. COREQUISITE: MUID 3800 and permission of instructor.

MUID 3902 - Critical Listening II (1)

Detailed examination of qualitative aspects of audio; refinement of critical listening skills including identification of frequency and time domain anomalies, distortions, amplitude changes, dynamics, and spatial positioning in audio sources PREREQUISITE: MUID 3901 and permission of instructor.

MUID 3903 - Critical Listening III (1)

Detailed examination of qualitative aspects of audio; refinement of critical listening skills including identification of frequency and time domain anomalies, distortions, amplitude changes, dynamics, and spatial positioning in complex audio sources; evaluation of reverberation and digital effects. PREREQUISITE: MUID 3902 and permission of instructor.

MUID 3905 - Digital Audio Workstations (3)

In depth examination of Digital Audio Workstation production techniques; emphasis on structure, capabilities, tools and command-sets of DAW. PREREQUISITE: MUID 3800 and permission of instructor.

MUID 4201 - Studies in Commercial Music (1-3)

Class or supervised individual study of special problems in Commercial Music. May be repeated when course content varies.

MUID 4604 - Legal Aspects Music Industry (3)

Legal aspects of music including copyright, intellectual property rights as they relate to the music industry; examination of publishing company operations and the role of exploiting musical compositions, performing rights organizations, recording contracts, publishing contracts, artist/manager contracts, artist/talent agent contracts.

MUID 4701 - Music Licensing/Publishing (3)

Detailed examination of intellectual property rights as they relate to the commercial music industry; examination of publishing and its role in the control and exploitation of the package of rights in music property; includes: publishing activities, performing rights organizations, catalog sales and acquisitions, publisher/songwriter relations, and royalty accounting; emphasis on practical applications. NOTE: this course does not fulfill the requirements for the Music Industry major (B.M.) or the Music Business or Recording Technology concentrations.

MUID 4800 - Basic Recording (4)

Audio engineering on modern multi-channel recording equipment using commercial production techniques; emphasis on skills of console operation, microphone selection and placement, session set-up, preparing musical instruments for recording, editing, mixing and engineer's artistic involvement in project. (SP). PREREQUISITE: TECH 1811, MUID 3800, and permission of instructor.

MUID 4801 - Problems in Commercial Music (1-3)

Supervised independent study. May be repeated for a maximum of 9 hours credit, but not for purpose of changing original grade. PREREQUISITE: permission of instructor.

MUID 4802 - Advanced Recording (3)

Advanced instruction in producing contemporary commercial recordings; application of production practice to recording assignments; advanced study of session technique, signal processing, mixing, editing, automation, synchronization, equipment and digital recording. PREREQUISITE: MUID 3801, 4800 and permission of instructor. COREQUISITE: MUID 4822.

MUID 4803 - Adv Mix/Master Audio (3)

Techniques for creating professional mixes in stereo and multichannel formats utilizing digital audio workstations and analog signal processing; mastering techniques for creating duplication-ready masters; surround microphone techniques and multichannel recording. PREREQUISITE or COREQUISITE: COMM 4825. Completion of JOUR 3900 and 4900 preferred.

MUID 4806 - Concert Sound Reinforcement (3)**Finance (FIR)**

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Technology (TECH)

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Nursing (NURS)

Basic equipment and production techniques for providing live sound services; methods for handling various sized groups in diverse locations. PREREQUISITE: MUID 4800 and permission of instructor.

MUID 4810 - Audio Production Practicum (1-3)

Supervised audio production activities. May be repeated for a maximum of 9 hours credit, but not for the purposes of changing original grade. PREREQUISITE: MUID 4800 and permission of instructor.

MUID 4811 - Studio Maintenance Practicum (1-3)

Troubleshooting and maintenance activities under the supervision of studio staff. A minimum of 42 clock hours of service for each credit hour is required. May be repeated for a maximum of 9 hours credit, but not for the purpose of changing original grade. PREREQUISITE: MUID 4800 and permission of instructor.

MUID 4812 - Concert Sound Practicum (1-3)

Diverse live sound reinforcement activities. A minimum of 42 clock hours of service for each credit hour is required. May be repeated for a maximum of 9 hours credit, but not for the purpose of changing original grade. PREREQUISITE: MUID 4800, 4806 and permission of instructor.

MUID 4820 - International Music Business (3)

Expands upon fundamental of domestic music business practice covered in previous classes through examination of business practices and infrastructure which drives global music marketplace; emphasis on cultural, media business, legal aspects affecting music industry and its global audience. PREREQUISITE: MUID 2201, senior standing and permission of instructor.

MUID 4822 - Applied Lessons in Recording (1)

Individual instruction in Advanced Recording. COREQUISITE: MUID 4802. Course Fee: \$125.

MUID 4830 - Trends Business Pract/Tech (3)

Supervised directed study in cutting edge business practices and technologies impacting the recording industry; emphasis on commercial viability and business impact. Formal presentation of research required. PREREQUISITE: MUID 2201, junior standing and permission of instructor.

MUID 4833 - Applied Lessons in Mixing (1)

Individual instruction in mixing, mastering, and multi-channel audio production. COREQUISITE: MUID 4803.

MUID 4840 - Entrepreneurship Comm Music (3)

Creation of preliminary business plan for formation of music industry related business; explores motivation for starting a music business, the music marketplace, naming the business, financing, and operation. PREREQUISITE: MKTG 3010, MGMT 3510, 3410, JOUR 3900, senior standing, and permission of instructor.

MUID 4850 - Record Company Operations I (3)

Students participate in actual administration and operation of the University's Blue Tom Records. Assignments include searching for, signing, and developing a new artist; preparation of marketing plans and budgets; supervision of the graphic design and manufacturing process; retail relations; and distribution. PREREQUISITE: MUID 2201, junior standing, and permission of instructor.

MUID 4851 - Record Company Operations II (4)

Record company operations as they relate to key industry elements; record label departments; A&R, distribution/manufacturing of CDs, new media, artist relations, contracts, and booking shows; real world application utilizing the University's Blue Tom Records. Students will learn and apply the artist life cycle process from distribution/promotion through touring.

MUID 4898 - Sr Proj Music Bus/Rec Technlgy (4)

Comprehensive final project which demonstrates mastery of creative, technical, and business elements of commercial music industry. Intended to be taken during the student's last semester before graduation. PREREQUISITE: senior standing and permission of instructor.

MUID 4899 - Internship (1-3)

One semester of supervised field work experience in selected areas of the commercial music industry. A minimum of 42 clock hours of service for each credit hour is required. May be repeated for a maximum of 9 hours credit, but not for the purpose of changing original grade. PREREQUISITE: placement interview and permission of instructor.

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MUTC

(MUTC) MUSIC THEORY AND COMPOSITION

Rudi E. Scheidt School of Music
Randal Rushing, D.M.A., Director
Room 123B, Music Building
<http://www.memphis.edu/music>

Placement in the Music Theory sequence for undergraduates will be determined through examination. NOTE: Courses in Composition and Electronic Music may be repeated for credit but not for the purpose of improving the grade originally earned.

In addition to the courses below, the department may offer the following Special Topics courses:

MUTC 4260-69. Special Topics in Theory and Composition. (1-3). Topics are varied and announced in online class listing.

MUTC 1001 - Basic Music Theory (3)

For students who plan to major in music but do not meet minimum standards for MUTC 1008. Not allowable as credit toward the satisfaction of requirements for the major or minor. Two laboratory hours per week.

MUTC 1008 - Music Theory I (3)

Fundamentals of pitch and rhythmic notation; scales, intervals, diatonic, triads, and seventh chords in major and minor keys; principles of voice leading and harmonic progressions; Roman numeral and lead sheet notation. (F). PREREQUISITE: Theory placement exam and permission of department.

MUTC 1009 - Music Theory II (3)

Cadences, phrases and periods; nonchord tones, four-voice part writing with diatonic seventh chords; secondary functions. (SP). PREREQUISITE: completion of MUTC 1008 with a grade of C- or better.

MUTC 1010 - Aural Theory I (1)

Practice of harmonic and melodic intervals to the perfect fifth; rhythmic performance and dictation in simple meters, with division of two through eight to the beat; reading of treble and bass clefs using fixed-Do solfege; one-part melodic dictation. (F). PREREQUISITE: theory placement exam and permission of department.

MUTC 1011 - Aural Theory II (1)

Practice of harmonic and melodic intervals to the octave; rhythmic performance and dictation in simple and compound meters, with division of two through eight to the beat; one-part melodic dictation and qualities of triads; simple harmonic dictations. (SP). PREREQUISITE: completion of MUTC 1010 with a grade of C- or better.

MUTC 2008 - Music Theory III (3)

Modulations; classical forms, mode mixture, augmented sixth chords, extended tertian chords and late 19th century tonality. (F). PREREQUISITE: completion of MUTC 1009 with a grade of C- or better.

MUTC 2010 - Aural Theory III (1)

Reading in treble, bass, alto, and tenor clefs; playing and singing simultaneously using two or three of the four clefs; singing triads and dominant sevenths in all inversions up and down; harmonic dictations with inversions; continued rhythmic study. (F). PREREQUISITE: completion of MUTC 1011 with a grade of C- or better.

MUTC 2103 - Theory Jazz/Pop/Commercial I (3)

Basic harmonic structures, chord symbol realization, altered scales and modes, altered and extended chords, notation, articulation, rhythmic patterns; analysis of written and recorded jazz and pop music; transcription of recorded materials. Three lecture hours,

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one laboratory hour per week. (F). PREREQUISITE: MUTC 1009, MUAP 1116.

MUTC 2501 - Composition (3)

Class instruction in free composition; emphasis on smaller forms. May be repeated for additional credit. PREREQUISITE: MUTC 1008. NOTE: Composition taught as applied music. Students receive the equivalent of one half-hour lesson per week. Fee for this instruction is \$250 per semester.

MUTC 2502 - Composition (3)

Works for piano, voice, chorus, and small ensembles; study of style and analysis of works from music literature. May be repeated for additional credit. PREREQUISITE: MUTC 2501 or permission of instructor. NOTE: Composition is taught as applied music. Students receive equivalent of one hour lesson per week. Fee for this instruction is \$250.00 per semester.

MUTC 2503 - Comp/Arrange Jazz/Commercial I (2)

Emphasis on small instrumental and vocal works, basic style and form. May be repeated for a maximum of 6 hours credit. PREREQUISITE: MUTC 2501, or permission of instructor. FEE: \$250.

MUTC 2504 - Comp/Arrange Jazz/Commercial II (2)

Emphasis on stage and jazz band arranging techniques. May be repeated for a maximum of 6 hours credit. PREREQUISITE: MUTC 2503, or permission of instructor. FEE: \$250.

MUTC 2511 - Intro Electronic Music (2)

Basic concepts of contemporary digital electronic music techniques including synthesizer operation, MIDI sequencing, and sampling and music notation by computer. PREREQUISITE: MUTC 2008 or permission of instructor. FEE: \$250.

MUTC 3008 - Music Theory IV (3)

Introduction and use of 20th century materials and techniques; post-tonal theory; indeterminacy, minimalism, electronic and computer music. (SP). PREREQUISITE: completion of MUTC 2008 with a grade of C- or better.

MUTC 3009 - Aural Theory IV (1)

Reading in treble, bass, alto, and tenor clefs; playing and singing simultaneously using two or three of the four clefs; identification of isolated triads and dominant sevenths in four parts and identification of triads in root position and inversions in traditional harmonic progressions; two-part melodic dictation in various clefs with implied harmony; further rhythmic study, including basic polyrhythms. (SP). PREREQUISITE: completion of MUTC 2010 with a grade of C- or better.

MUTC 3010 - Aural Theory V (1)

Aural exploration of basic forms, cadences and styles of music; detailed aural analysis of modulatory elements within a piece. PREREQUISITE: MUTC 3008, 3009. (F). (S/U)

MUTC 3101 - Orchestration (3)

Basic study of instruments of orchestra and band, terminology and techniques pertaining to that study; practical application by scoring for small and large instrumental combinations (F) PREREQUISITE: MUTC 3008, 3009, or permission of instructor.

MUTC 3102 - Adv Musical Analysis I (3)

Advanced theoretical analysis of large-scale compositions from late Medieval through early Classic periods; in-depth study of stylistic characteristics and theoretical techniques used in pieces studied PREREQUISITE: MUTC 3008, 3009. (F-even years)

MUTC 3109 - Adv Musical Analysis II (3)

Advanced theoretical analysis of large-scale compositions from late Classic period through very recent works in last decade of twentieth century; in-depth study of stylistic characteristics and theoretical techniques used in pieces studied. PREREQUISITE: MUTC 3008, 3009. (SP-odd years)

MUTC 3201 - Jazz Arrange/Orchestration (3)

Arranging/orchestration for small to large ensembles in jazz and commercial music styles; idiomatic problems with vocalists, rhythm, electronic, wind, and string instruments in various jazz styles. PREREQUISITE: MUTC 2103.

MUTC 3501 - Comp/Arrang/Jazz/Commercial III (2)

Individual instruction for mixed ensembles and studio groups in various jazz and studio styles, standard and extended forms; introduction to line writing. May be repeated for additional credit. NOTE: Composition is taught as applied music. Students receive the equivalent of one hour lesson per week. Fee for this instruction is \$250.00 per semester. PREREQUISITE: MUTC 2504, or permission of instructor.

MUTC 3702 - Theory/Musicianship II (3)

An advanced analysis of music in the popular music world which includes writing,

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reading, and ear training. NOTE: this course does not fulfill the requirements for the Music Industry major (B.M.) or the Music Business or Recording Technology concentrations.

MUTC 3825 - Material/Techniques Improv I (3)

Development of improvisation skills on solo instruments or voice; basic chord patterns, scales, arpeggios; performance with rhythm section. (F). PREREQUISITE: permission of instructor.

MUTC 3826 - Material/Techniques Improv II (3)

Analysis of melodic structures; motivic fragmentation and sequencing; extended harmonic structures, performance in small combo settings. (F). PREREQUISITE: MUTC 3825, or permission of instructor.

MUTC 3827 - Material/Techniques Improv III (3)

Analysis and performance of music in standard styles, including bebop, Latin, fusion, and jazz/rock; contemporary mainstream, pan-chromatic, and free-form improvisation; performance with combos and large jazz ensembles. (F). PREREQUISITE: MUTC 3826, or permission of instructor.

MUTC 4106 - Composition Processes 20th Cent (3)

Analysis and imitative writing of major composers of the twentieth century, from Debussy through the present. (SP-even years)

MUTC 4202 - Sem Music Theory/Analysis (3)

Advanced course in theory, counterpoint, and analysis of literature. Contrapuntal and harmonic techniques. Research; theoretical problems from pedagogical point of view; writing in strict and free styles. Recommended as review course for graduate students. PREREQUISITE: permission of instructor. (F)

MUTC 4204 - Indiv Study Music Theory/Comp (1-3)

Directed individual study in selected areas of music theory and composition chosen in consultation with instructor. May be repeated for credit but not for the purpose of changing a grade.

MUTC 4205 - 16th Cent Counterpoint (2)

Study of contrapuntal techniques of the sixteenth century. (SP-odd years)

MUTC 4206 - 18th Cent Counterpoint (2)

Study of contrapuntal techniques of the eighteenth century. (F-even years)

MUTC 4207 - 20th Cent Counterpoint (3)

Study of contrapuntal techniques of the twentieth century. (F-odd years)

MUTC 4209 - Advanced Orchestration (3)

Continuation of MUTC 3101. Orchestration of works from nineteenth and twentieth centuries for full orchestra; study of representative orchestral scores from romantic and contemporary periods. PREREQUISITE: MUTC 3101.

MUTC 4501 - Composition (3)

Composition in varied forms for large and small ensembles and solo instruments; analysis of contemporary works and practical application of techniques. May be repeated for additional credit. NOTE: Composition taught as applied music. Students receive equivalent of one hour lesson per week. Fee for this instruction is \$250.00 per semester. PREREQUISITE: recommendation of upper division examining committee.

MUTC 4502 - Comp For Non-Comp Major (3)

Class instruction in free composition for students not majoring in composition. Practical experience in idea generation, form, development, and instrumentation. NOTE: Composition taught as applied music. Students receive equivalent of one half-hour lesson per week. Fee for this instruction is \$250 per semester. PREREQUISITE: MUTC 3008.

MUTC 4503 - Comp/Arrange Jazz/Commrcial IV (3)

Individual instruction with emphasis on advanced line writing, fusion and contemporary mainstream styles, writing for full studio orchestra. May be repeated for additional credit. NOTE: Composition is taught as applied music. Students receive the equivalent of one hour lesson per week. Fee for this instruction is \$250.00 per semester. PREREQUISITE: MUTC 3501, or permission of instructor.

MUTC 4504 - Intro Film/Video Score (3)

Basic problems of writing music for film and video: commercial and industrial productions, shorts and full length features, selection of appropriate styles, creating a master music list, writing from a cue sheet; introduction to editing room equipment: conversion of film frames to video, use of SMPTE time code and synchronization equipment, MIDI sequencer scoring from a digital audio workstation; project assignments

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in film and video formats. (Offered alternate years). PREREQUISITE: MUTC 2511, MUTC 3501, and either MUID 3801 or MUTC 4511 or 4505, or permission of instructor.

MUTC 4511 - Intermediate Electronic Music (2)

Concepts of contemporary digital electronic music techniques including synthesizer operation, MIDI sequencing, and sampling as well as music notation by computer. The two hours credit earned from this course may be used as composition credit towards the composition concentration. FEE: \$250.00 PREREQUISITE: MUTC 2008 or permission of instructor.

MUTC 4512 - Adv Electronic Music (2)

Continuation of MUTC 4511. Emphasis on individual compositional projects. Includes investigation of electronic music possibilities of the Internet. May be repeated for credit, but only two hours may be used as composition credit in composition concentration. FEE: \$250.00 PREREQUISITE: MUTC 4511.

MUTC 4599 - Senior Composition Recital (4)

Integration course for which students prepare and present a concert of their music and an accompanying descriptive paper. Taught as applied music, individual instruction. PREREQUISITE: a minimum of 4 hours in MUTC 4501 and permission of the instructor.

MUTC 4603 - Stravinsky Part 2 (3)

This course covers the second half of Stravinsky's compositional output, from the early 1930s to the late 1950s. It covers six major works in different genres and explores the analytical and compositional procedures used in those works.

MUTC 4896 - Sr Prj Jazz Studio/Comp Arrang (4)

Project must include original compositions and original arrangements of existing compositions in a variety of styles. Project should include live performance, recorded album tracks, and film music. PREREQUISITE: MUTC 4503, 4504, or permission of instructor.

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MUSA

(MUSA) SACRED MUSIC
Rudi E. Scheidt School of Music
Randal Rushing, D.M.A., Director
Room 123B, Music Building
<http://www.memphis.edu/music>

In addition to the courses below, the department may offer the following Special Topics courses:

MUSA 4260-69. Special Topics in Sacred Music. (1-3). Topics are varied and announced in the online class listings.

MUSA 4104 - Sacred Music History/Practic I (3)

Survey of Jewish and Christian sacred music, exploring origins of styles, traditions, and current practices. (F-alternate years) PREREQUISITE: MUTC 2008.

MUSA 4105 - Sacred Music Hist/Prac II (3)

(SP - alternate years) PREREQUISITE: MUTC 2008.

MUSA 4801 - Indiv Study Sacred Music (1-3)

Directed individual study in selected areas of music chosen in consultation with instructor. May be repeated for credit with permission of director. May be repeated for a maximum of 6 hours credit.

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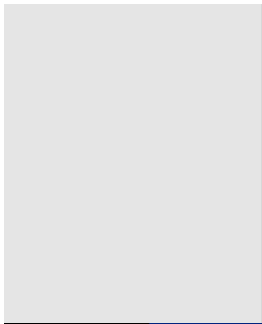
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COUN

(COUN) COUNSELING AND PERSONNEL SERVICES
Department of Counseling, Educational Psychology and Research
Douglas Strohm, Ph.D., Chair
Room 100, E.C. Ball Hall
<http://www.memphis.edu/cepr/>

In addition to the courses below, the department may offer the following Special Topics courses:
COUN 4010-29. Special Topics in Counseling and Personnel Services. (3). Topics varied and in the online class listings.

COUN 1661 - Career Development (3)

Relationship of interests, aptitudes and careers. Includes exploration of work settings and activities to support individual career planning. Students expected to investigate work settings, relate this investigation to academic programs, and utilize this information in individual career development.

COUN 4002 - Independent Study (1-3)

Opportunity for self directed study and/or research under the supervision of faculty member. May be repeated for a maximum of 6 semester hours credit. PREREQUISITE: consent of faculty member. (S/U).

COUN 4611 - Intro To Counseling (3)

Exploration of history, principles and administration of counseling services in community agencies, schools, business and industry; survey of applicable counseling services, skills and techniques.

COUN 4621 - Human Interactions (3)

Human relations exercises and other personal experiences related to effective learning climates. Includes communication skills for working in groups, one-to-one relationships, and identification and referral of persons to appropriate resources.

COUN 4781 - Strategy/Crisis Intervention (3)

Process of crisis intervention; study and practice in understanding crisis induced dysfunctional behavior, recognizing crisis situations, and crisis counseling procedures.

COUN 4783 - Alcohol/Drug Abuse Services (3)

Survey of human services for treating alcoholics and substance abusers. Overview of treatment strategies and philosophies.

COUN 4901 - Princ/Tech/Rehab Counseling (3)

Overview of broad field of rehabilitation, including philosophical, social, psychological, and legal basis of rehabilitation, professional practice, counselor's role and function in the rehabilitation process.

COUN 4913 - Medical/Psyc Aspects/Rehab (3)

Orientation to medical aspects of rehabilitation; basic medical terminology, bodily systems, and DSM diagnosis; theories, application, and research in psychological adjustment of individuals with disabilities; understanding of impact of external/environmental conditions on lives of individuals with disabilities.

COUN 4921 - Vocational Dev/Occupation Info (3)

Collection, evaluation, and use of occupational, educational, and related information in rehabilitation; familiarity with development of job descriptions and vocational surveys; study of labor market trends and theories of occupational choice.

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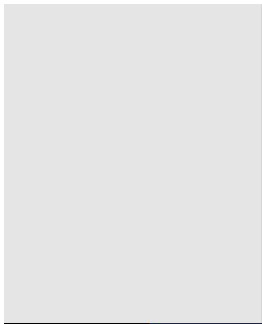
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EDPR

(EDPR) EDUCATIONAL PSYCHOLOGY AND RESEARCH
Department of Counseling, Educational Psychology and Research
Douglas Strohmer, Ph.D., Chair
Room 100, E.C. Ball Hall
<http://cepr.memphis.edu/>

EDPR 2111 - Development Across Lifespan (3)
Principles and processes of human development across the life span.

EDPR 3121 - Learning Process/Assessment (3)
Major theories and perspectives on classroom learning and classroom assessment practices; emphasis on cognitive processes, individual differences, strategies for instruction, motivation, critical thinking, and self regulation of learning; developing and using classroom assessment and interpreting standardized testing. PREREQUISITE: EDPR 2111, or permission of instructor.

EDPR 3302 - Child/Adolescent Development (3)
(Same as CSED 3302). Principles and processes of child and adolescent development applied to education. PREREQUISITE: EDPR 2111 or permission of instructor.

EDPR 4008 - Prob: Ed Psych/Research (1-3)
Individually directed reading, field study or research; written report required. PREREQUISITE: permission of instructor.

EDPR 4301 - Early Child Dev/Begin Teacher (3)
Philosophy, theory, research, and pedagogy relating to the physical, cognitive, social, and emotional development of children from birth to eight years of age. PREREQUISITE: EDPR 2111 and TEP admission.

EDPR 4541 - Fundmntl/Applied Stat Method (3)
Use of statistical techniques in education and behavioral sciences; emphasis on practical use and interpretation of concepts. Self-instructional.

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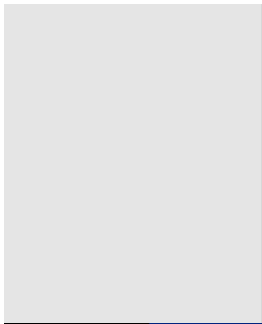
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NUTR

(NUTR) NUTRITION
Department of Health and Sport Sciences
Richard Bloomer, Ph.D., Chair
Room 106, Elma Neal Roane Fieldhouse
<http://hss.memphis.edu/>

In addition to the courses below, the department may offer the following Special Topics courses:

NUTR 4001-06. Special Topics in Nutrition. (3). May be repeated with change of topic. See online class listings for topic.

NUTR 2102 - Intro to Dietetics (3)

Preparation for a dietetics career; history, trends, future practice; professional ethics. academic process, practitioner roles. career opportunities.

NUTR 2202 - Nutrition (3)

Introductory study of nutrients; nutrient requirements throughout the life span; applied dietary analysis.

NUTR 2302 - Introduction to Foods (3)

Scientific principles of food preparation, culinary techniques, menu planning emphasizing cultural ethnic foods; food safety, food sanitation, computerized nutrient analysis of foods. COREQUISITE: NUTR 2303.

NUTR 2303 - Intro to Foods Laboratory (1)

Laboratory applications related to scientific principles of food preparation. Three laboratory hours per week. COREQUISITE: NUTR 2302.

NUTR 3002 - Advanced Human Metabolism I (3)

In-depth study of energy nutrients; generation, storage, and metabolism of energy nutrients; biochemical functions applied to dietetics. PREREQUISITE: NUTR 2202, BIOL 2010/2011, 2020/2021, CHEM 1110/1111, CHEM 1120/1121.

NUTR 3202 - Nutrition/Health Care (3)

Nutrition applications for health promotion and treatment of selected disease conditions. Required for admission to the Loewenberg School of Nursing at the University of Memphis. PREREQUISITE: BIOL 2010/2011, 2020/2021.

NUTR 3502 - Adv Foods/Food Systems (3)

Food systems management applications; procurement, production, and menu planning for groups; legislation and environmental issues; institutional equipment and design; human resource management; Serv-Safe preparation. PREREQUISITE: NUTR 2302, ACCT 2010, general education math.

NUTR 4102 - Medical Nutrition Therapy I (3)

Nutrition care process; nutrition assessment techniques; medical terminology and nutritional pharmacology; nutrition modalities for health promotion and selected conditions. PREREQUISITE: BIOL 2010/2011, BIOL 2020/2021, NUTR 2202, 3002 or permission of instructor.

NUTR 4112 - Medical Nutrition Therapy II (3)

Nutrition care process and pathophysiology for selected conditions; alternative nutrition therapies. PREREQUISITE: NUTR 4102.

NUTR 4212 - Reading/Food/Nutrition (1-3)

PREREQUISITE: permission of instructor.

NUTR 4322 - Adv Food/Beverage Mgmt (3)

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Economics (ECON)

(Same as HPRM 4322). Foundations of managing restaurants and associated beverage operations; planning and control procedures, human resources management, customer service, marketing strategies, emerging technologies; relationship between food and beverage operations and overall hospitality organization. PREREQUISITE: NUTR 2302, MGMT 3110, MKTG 3010, or permission of instructor.

NUTR 4332 - Purc/Financl Mgmt/Food System (3)

Problem solving related to food and beverage purchasing decisions; budgeting for food services; managerial finance, productivity indicators. PREREQUISITE: ACCT 2010, NUTR 3502, and completion of University General Education Program MATH requirement.

NUTR 4602 - Community Nutrition (3)

Nutritional issues of diverse community groups; nutrition education skill development; community nutrition resources. program design, and public policy. PREREQUISITE: NUTR 2202, or permission of instructor.

NUTR 4605 - Internship in Nutrition (3)

Culminating experience allowing students the opportunity to demonstrate knowledge and skills in an appropriate professional setting. PREREQUISITE: permission of instructor. (S/U)

NUTR 4702 - Food Production Internship (3)

Supervised field experience in the field of food production management; preparation for ServSafe, a food safety and sanitation certification.

NUTR 4722 - Catering Internship (3)

Supervised field experience in the field of catering.

NUTR 4802 - Experimental Foods (3)

Technology related to chemical properties of foods and the development of new food products. Critical thinking and problem solving skills used in the preparation and evaluation of food products. Two lecture hours, two laboratory hours per week. PREREQUISITE: NUTR 2302, CHEM 3310, EDPR 4541, or permission of instructor.

NUTR 4803 - Experimental Foods Laboratory (1)

Laboratory applications related to development of new food products.

NUTR 4812 - Adv Human Metabolism II (3)

In depth study of vitamin, minerals, phytochemicals; biochemical functions applied to dietetics. PREREQUISITE: BIOL 2010/2011, 2020/2021; NUTR 3002; CHEM 3311/3301.

NUTR 4902 - Study Tour/Foods/Nutrition (1-3)

PREREQUISITE: permission of instructor.

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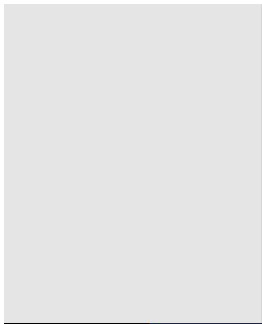
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EXSS

(EXSS) Exercise and Sport Science
Department of Health and Sport Sciences
Richard Bloomer, Ph.D., Chair
Room 106, Elma Neal Roane Fieldhouse
<http://hss.memphis.edu/>

In addition to the courses below, the department may offer the following Special Topics courses:

EXSS 4705-11. Special Topics Workshop in Exercise and Sport Science. (3). Selected phases of exercise and sport science through group study. In-depth study of area of interest and need for exercise and sport scientists. May be repeated with a change in topic.

EXSS 4902-11. Special Topics in Exercise and Sport Science. (1-3). Current topics in exercise and sport science. May be repeated with change in topic and content. Topics are varied and in online class listings.

EXSS 2004 - Intro to Exercise Science (3)

Introduction to education and professional practice; history of EXSS, technology, employment opportunities, certifications and professional organizations.

EXSS 2010 - Resistance Training Applicatn (2)

Basic theory and practice of multiple resistance training modalities; resistance training tools in sports, rehabilitation, and physical conditioning; free weight, body weight, machine exercise modalities; basic resistance exercise programming and instructional methods.

EXSS 2020 - Aerobics Training Application (2)

Multiple aerobic training modalities; aerobic training tools for sports, rehabilitation, and physical conditioning.

EXSS 3020 - Exercise and Sport Mechanics (3)

(4020). Biomechanical conditions of human movement; knowledge and skills needed to analyze and evaluate human motor performance in order to prescribe appropriate interventions to optimize it. PREREQUISITE: BIOL 2010/2011, 2020/2021; EXSS 2010, 2020, 3050, 3405, 3803; HPRO 2100, 3800. COREQUISITE: EXSS 3450, 3603, 3703. (Sp/Su).

EXSS 3050 - Adv Life Supp Exer Cond/Test (3)

Development of knowledge and skills related to anatomical and physiological changes that may result from exercise conditioning and testing; signs and symptoms of acute health related problems; first aid measures, CPR, use of an AED. PREREQUISITE: BIOL 2010/2011 and 2020/2021. (F/Su).

EXSS 3405 - Anatomic Kinesiology (3)

Anatomic systems as related to purposeful movement of the human body; structure and function of musculoskeletal system. PREREQUISITE/COREQUISITE: EXSS 2010, 2020, BIOL 2010/2011 and 2020/2021. (Sp/Su).

EXSS 3450 - Psych Aspects Exercise (3)

Emphasis on the application of psychological principles in fostering motivation among individuals in exercise/physical activity settings. PREREQUISITE: BIOL 2010/2011 and 2020/2021. PREREQUISITE/COREQUISITE: EXSS 2010 and 2020. (Sp/Su).

EXSS 3502 - Prev/Care Athletic Injuries (3)

Practical and theoretical aspects of treatment of athletic injuries in athletic training programs; supplies, training table, therapeutic equipment, and techniques in conditioning and bandaging. PREREQUISITE: HMSE 2102 or consent of instructor. PREREQUISITE: EXSS 2010, 2020, BIOL 2010/2011 and 2020/2021. COREQUISITE: HPRO

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3505.

EXSS 3603 - Exercise Physiology I (3)

Anatomical and physiological bases for expressing, developing, and maintaining muscular endurance, strength, power, joint flexibility, body composition as well as various factors which may affect them. PREREQUISITE: EXSS 2010, 2020, BIOL 2010/2011 and 2020/2021. (Sp/Su).

EXSS 3700 - Exer Physiology Introduction (3)

Acute and chronic physiological adaptations to muscular activity; physiological bases for appropriate training programs for maximizing physical performance. PREREQUISITE: EXSS 2010, 2020, BIOL 2010/2011 and 2020/2021. (Sp/Su).

EXSS 3703 - Exercise Physiology II (3)

Exercise performance including energy metabolism and regulation, cardiovascular physiology, environmental physiology; principles of physiological and biochemical assessment; interpretation of physiological and biochemical data; development of appropriate training programs to maximize performance efficiency. PREREQUISITE: BIOL 2010/2011 and 2020/2021. PREREQUISITE/COREQUISITE: EXSS 2010, 2020. (F/Su).

EXSS 3803 - Motor Learning (3)

Theory and research concerning the behavioral and neurological bases for understanding the processes involved in motor skill learning and performance. PREREQUISITE: EXSS 2010, 2020, BIOL 2010/2011 and 2020/2021. (Sp/Su).

EXSS 3853 - Motor Behavior (3)

Basic theories and principles of motor learning and performance; developmental aspects of human motor behavior across the lifespan. BIOL 2010/2011 and 2020/2021. (Sp/Su).

EXSS 4000 - Exer Test Interpretation Lab (3)

Acquisition and practice of laboratory/clinical skills pertaining to measurement techniques, tools and interpretation of physical performance and fitness; introduces theoretical and functional techniques of graded exercise testing for functional and/or diagnostic assessment. One lecture hour, four laboratory hours per week. PREREQUISITE: BIOL 2010/2011 and 2020/2021; EXSS 2010, 2020, 3020, 3050, 3405, 3450, 3603, 3703, 3800, 3803; HPRO 2100 and 3800, or permission of instructor. (F/Su) .

EXSS 4010 - Supplements/Food/Drugs Health (3)

Role of nutrition in optimizing performance and training adaptations; macro and micro nutrient intake, proper timing and amount of intake; analysis of validity of proposed ergogenic performance and/or structural adaptation. PREREQUISITE: permission of instructor.

EXSS 4015 - Exer Prog Spec Population (3)

Principles of cardiovascular medicine related to therapeutic management of various disease states through exercise; medical consequences of various disease states; developing comprehensive rehabilitative programs to decrease physical disability. Variable hours of supervised laboratory/field experience may be required . PREREQUISITE: BIOL 2010/2011, 2020/2021; EXSS 2010, 2020, 3050, 3405, 3450, 3603, 3703, 3800, 3803; HPRO 2100. (F/Su).

EXSS 4406 - Exercise Test/ECG Interpret (3)

Introduction to the methods of conducting ECG and cardiopulmonary exercise testing for asymptomatic and symptomatic populations; ACSM principles of exercise testing as well as methods of ECG interpretation will be covered. Variable hours of supervised laboratory/field experience may be required.

EXSS 4502 - Adv Prv/Care Athletic Injuries (3)

Advanced practical and theoretical aspects of treatment of athletic related injuries in athletic training programs; supplies, management, organization, injury recognition, evaluation and assessment, therapeutic modalities, bandaging, and techniques in conditioning and rehabilitation. PREREQUISITE: EXSS 3502.

EXSS 4603 - Adv Meth/Strength Condition (3)

Advanced study of training principles for strength and conditioning programs and their underlying physiological bases. PREREQUISITE: BIOL 2010/2011, 2020/2021; EXSS 2010, 2020, 3050, 3405, 3450, 3603, 3703, 3800, 3803; HPRO 2100, or permission of instructor. (F/Su).

EXSS 4605 - Internship Exer/Sport Science (3-9)

Culminating experience allowing students the opportunity to demonstrate knowledge and skills in an appropriate professional setting. PREREQUISITE: completion of all course work in major and concentration and completion of senior test. COREQUISITE: HMSE 4999. (S/U).

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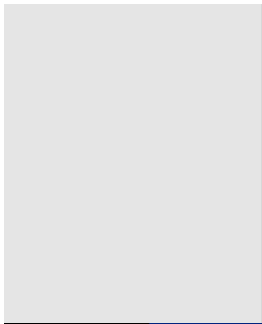
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HMSE

(HMSE) HEALTH AND SPORT SCIENCES
Richard Bloomer, Ph.D., Chair
Room 106, Elma Neal Roane Fieldhouse
<http://hss.memphis.edu/>

HMSE 1100 - Concepts Fitness/Wellness (2)

Emphasis on individual responsibility for achieving optimal well-being and preventive health practices that promote healthful lifestyles and reduce risk factors.

HMSE 2102 - First Aid and CPR (3)

Safety skills and techniques of immediate and temporary care in the event of injury or sudden illness. Includes necessary training and skill for CPR certification. Successful completion qualifies the student for First Aid certificate endorsed by the American Red Cross. This course may be taken to improve the grade for one, but not both, of the former courses.

HMSE 4305 - Problems/Health Sport Science (1-3)

Independent study and/or research project on human movement science problem, issue, or concern. PREREQUISITE: permission of instructor and coordinator of undergraduate studies. (S/U)

HMSE 4999 - Senior Project/HSS (3)

Integrative study that culminates in discipline-specific research, service-learning, or international study tour. Professional level paper and presentation of work required. Completion of the Senior Test in respective major required. PREREQUISITE: all other course work, excluding internship, must be completed. COREQUISITE: EXSS 4605, NUTR 4605, or SLS 4605.

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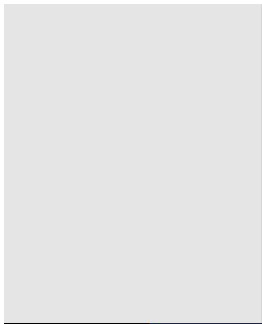
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HPRO

(HPRO) HEALTH PROMOTION
Department of Health and Sport Sciences
Richard Bloomer, Ph.D., Chair
Room 106, Elma Neal Roane Fieldhouse
<http://hss.memphis.edu/>

HPRO 2100 - Wellness Concepts Practice (3)
Individual responsibility for achieving optimal well-being through preventive health practices that promote healthful lifestyles.

HPRO 2200 - Intro/Public Health/HPRO (3)
Foundations of public health and health promotion; role of health promotion practice in schools, community, work site, and health care settings; emphasis on determinants of health behavior and prevention intervention approaches.

HPRO 3306 - Elmntry School Health/Wellness (2)
Basic health knowledge and skills essential toward enhancing health lifestyle among elementary school children; integration of wellness concepts and practices in all other subject disciplines of school curriculum; developing strategies for successful K-6 health and wellness instruction.

HPRO 3500 - Health Habits/Persnl Wellness (3)
Behavioral skill building to encourage healthy lifestyle including healthy eating and physical activity choices that enables individuals to improve health and prevent disease. PREREQUISITE: HPRO 2100.

HPRO 3505 - Prin/Health Fitness Instruc (3)
(EXSS). Principles of exercise prescription and leadership; principles of writing exercise prescriptions based on case studies for apparently health and medically stable asymptomatic populations; calculation of energy expenditure; health related effects of physical activity; leading exercise groups and individuals. PREREQUISITE: HPRO 2100, EXSS 2010, 2020, BIOL 2010/2011 and 2020/2021. (Sp/Su).

HPRO 3506 - Princ Health Fitness Practicum (1)
(EXSS). Acquisition and practice of laboratory/clinical skills pertaining to methods for measuring body composition, muscle strength, muscle endurance, flexibility, aerobic endurance.

HPRO 3522 - Assess/Prog Evaluation/HPRO (3)
Concepts of program evaluation as it applies to health; types of needs assessment, formative research, process evaluation, monitoring of outputs and outcomes, impact assessment, cost analysis. (F/Su)

HPRO 3606 - Leadership/Comm/HPRO (3)
Concepts, models, tools associated with health promotion communication and leadership styles, practices, theories; application to real life health problems and issues in development of health promotion careers. (Sp/Su)

HPRO 3716 - Marketing/Entrepren/HPRO (3)
Strategies applicable to health promotion programs in both "for-profit" and "not-for-profit" organizations; critical processes and mechanisms for social marketing and social entrepreneurship and traditional capital ventures. (Sp/Su)

HPRO 3800 - Program/Plan & Development (3)
(4003). (EXSS). Basic skills and principles of planning, developing, implementing, and evaluating health promotion programs in a variety of settings including community, business, and corporate sectors. PREREQUISITE: EXSS 2010, 2020, BIOL 2010/2011, 2020/2021. (F/Su).

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HPRO 4500 - Project Management/HPRO (3)

Concepts and practice in structure and functions of health promotion programs; planning, implementation, management (time, risk, financial) and quality assurance of health programs. (F/Su)

HPRO 4510 - Global/International Health (3)

Global health from an interdisciplinary perspective; emphasis on economically less developed countries; history of global health, international organization and funders of global health to cultural norms in global context. (F)

HPRO 4520 - Health/Lifestyle Counseling (3)

Counseling techniques and application to develop and apply basic counseling, lifestyle coaching skills, helping attitudes in health promotion. (F/Su)

HPRO 4530 - Principle/Appl/Epidemiology (3)

Key basic epidemiologic concepts and methods, as well as the scope and application of the tenets of epidemiology in health promotion and related fields. The nature of the course involves cooperative group learning exercises.

HPRO 4605 - Intern/HPRO/Life Mgmt (6)

Culminating experience allowing students the opportunity to demonstrate knowledge and skills in an appropriate professional setting. PREREQUISITE: completion of all course work in major and concentration, proof of current First Aid, AED, and CPR certification.

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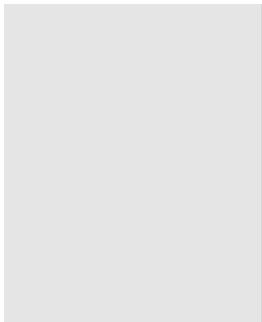
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PHED

(PHED) PHYSICAL EDUCATION
Department of Health and Sport Sciences
Richard Bloomer, Ph.D., Chair
Room 106, Elma Neal Roane Fieldhouse
<http://hss.memphis.edu/>

In addition to the courses below, the department may offer the following Special Topics courses:

PHED 1010-19. Selected Physical Education Activities. (1-3). Current activities in physical education. See online class listings for specific activity. May be repeated with a change in topic. [G]

PHED 1003 - Aerobics (2)
May be repeated once for credit. [G]

PHED 1004 - Jogging (2)
May be repeated once for credit. [G]

PHED 1005 - Condtn: Varsity Sports (2)
Open only to varsity athletes, cheerleaders, and members of the pom pon squad. May be repeated for credit. [G] (S/U)

PHED 1006 - Water Aerobics (2)
May be repeated once for credit. [G]

PHED 1007 - Yoga Stretching/Relaxation (2)
May be repeated once for credit. [G]

PHED 1008 - Walking Health/Fitness (2)
May be repeated once for credit. [G]

PHED 1009 - Fitness Thru Cross Training (2)
May be repeated once for credit. [G]

PHED 1015 - Stationary Cycling (2)
Current activities in physical education. See online class listings for specific activity. May be repeated with a change in topic. May be repeated once for credit. [G]

PHED 1016 - Pilates (2)
Current activities in physical education. See online class listings for specific activity. May be repeated with a change in topic. May be repeated once for credit.[G]

PHED 1107 - Yoga II (2)
May be repeated once for credit. [G]

PHED 1108 - Universal Survival Tech (2)
Learning and application of current research and effective practice; chances for survival in many different climates, weather conditions; emergency situations; development of problem solving skills. May be repeated once for credit. [G]

PHED 1141 - AbLab (2)
An experiential approach to the principles of abdominal and core training, improving function, stability and conditioning; health related effects of physical fitness. May be repeated once for credit.

PHED 1301 - Weight Train/Machines (2)
May be repeated once for credit. [G]

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Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
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PHED 1302 - Free Weights & Machines (2)
May be repeated once for credit. [G]

PHED 1331 - Camping (2)
May be repeated once for credit. [G]

PHED 1333 - Backpacking (2)
May be repeated once for credit. [G]

PHED 1334 - Rock Climbing (2)
May be repeated once for credit. [G]

PHED 1336 - Orienteering (2)
May be repeated once for credit. [G]

PHED 1340 - Intro To Fly Fishing (2)
May be repeated once for credit. [G]

PHED 1361 - Horseback Riding (2)
May be repeated once for credit. [G]

PHED 1412 - Judo (2)
May be repeated once for credit. [G]

PHED 1413 - Self Defense Techniques (2)
May be repeated once for credit. [G]

PHED 1438 - Mixed Martial Arts (2)
May be repeated once for credit.

PHED 1439 - Brazilian JiuJitsu (2)
May be repeated once for credit.

PHED 1440 - Muay Thai (2)
May be repeated once for credit.

PHED 1441 - Karate (2)
May be repeated once for credit. [G]

PHED 1442 - Advanced Karate (2)
May be repeated once for credit. [G]

PHED 1443 - Aikido (2)
May be repeated once for credit. [G]

PHED 1444 - Kickboxing (2)
May be repeated once for credit. [G]

PHED 1445 - Tae Kwon Do (2)
May be repeated once for credit. [G]

PHED 1446 - Tai Chi (2)
Basic instruction of the art of Tai Chi, as self-defense and physical practice. History and philosophy of development of Tai Chi; simplified 24-form will be learned and practiced.
May be repeated once for credit.

PHED 1461 - Basic Foil Fencing (2)
May be repeated once for credit. [G]

PHED 1463 - Intermed Modern Fencing (2)
May be repeated once for credit. [G]

PHED 1464 - Padded Weapons (2)
May be repeated once for credit. [G]

PHED 1501 - Beginning Tennis (2)
May be repeated once for credit. [G]

PHED 1502 - Intermediate Tennis (2)
May be repeated once for credit. [G]

PHED 1521 - Racquetball (2)
May be repeated once for credit. [G]

PHED 1522 - Intrmediate Racquetball (2)
May be repeated once for credit. [G]

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Nursing (NURS)

PHED 1541 - Badminton (2)

May be repeated once for credit. [G]

PHED 1561 - Bowling (2)

May be repeated once for credit. [G]

PHED 1562 - Intermediate Bowling (2)

May be repeated once for credit. [G]

PHED 1571 - Golf (2)

May be repeated once for credit. [G]

PHED 1572 - Intermediate Golf (2)

May be repeated once for credit. [G]

PHED 1710 - Aqua Zumba (2)

Through learning and application of current research and effective practice in the activity of aqua zumba, students with diverse abilities and experience levels are able to increase their knowledge of and appreciation for the activity. May be repeated once for credit.

PHED 1711 - Beginning Swimming I (2)

May be repeated once for credit. [G]

PHED 1712 - Beginning Swim II (2)

May be repeated once for credit. [G]

PHED 1713 - Intermediate Swim (2)

May be repeated once for credit. [G]

PHED 1722 - Swim-Lifeguarding (2)

The prerequisite for these courses is Physical Education skills 1713. May be repeated once for credit. [G]

PHED 1742 - Condition Thru Swimming (2)

May be repeated once for credit. [G]

PHED 1743 - Triathlon Tech/Training (2)

May be repeated once for credit. [G]

PHED 1744 - PiYo/Pilates/Yoga (2)

May be repeated once for credit.

PHED 1771 - Scuba (2)

The prerequisite for these courses is Physical Education skills 1713. May be repeated once for credit. [G]

PHED 1772 - Advanced Scuba (2)

The prerequisite for these courses is Physical Education skills 1713. May be repeated once for credit. [G]

PHED 1782 - Kayaking (2)

May be repeated once for credit. [G]

PHED 1783 - Canoeing (2)

May be repeated once for credit. [G]

PHED 1784 - Sea Kayaking (2)

May be repeated once for credit. [G]

PHED 1811 - Rhythms For Elem Sch (2)

May be repeated once for credit. [G]

PHED 1814 - Ballroom Dancing (2)

May be repeated once for credit. [G]

PHED 1921 - Basketball (2)

May be repeated once for credit. [G]

PHED 1923 - Volleyball (2)

May be repeated once for credit. [G]

PHED 1924 - Intermediate Volleyball (2)

May be repeated once for credit. [G]

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PHED 1925 - Beach Volleyball (2)
May be repeated once for credit. [G]

PHED 1926 - Rugby (2)
May be repeated once for credit.

PHED 1931 - Soccer and Fieldsports (2)
May be repeated once for credit. [G]

PHED 1932 - Zumba (2)
May be repeated once for credit.

PHED 2703 - Water Safety Instructor (3)
Analysis, practice, and teaching of swimming and lifesaving skills and general water safety practice. Variable hours of supervised laboratory/field experience will be required. May be repeated once for credit. PREREQUISITE: experienced swimmer.

PHED 3406 - Lifeguard and Pool Mgmt (3)
Theory and application of lifeguarding skills, pool management, records/reports and pool maintenance and sanitation. PREREQUISITE: PHED 1722 or Red Cross Lifesaving certificate; HMSE 2102 or Red Cross or Heart Association CPR/Basic Life Support.

*The prerequisite for these courses is Physical Education skills 1713.

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PETE

(PETE) PHYSICAL EDUCATION TEACHER EDUCATION

Department of Health and Sport Sciences

Richard Bloomer, Ph.D., Chair

Room 106, Elma Neal Roane Fieldhouse

<http://hss.memphis.edu/>

PETE 2000 - Introduction to PETE (2)

Exploration of the discipline of Physical Education through historical, philosophical, sociological, and scientific bases.

PETE 2001 - Individual Fitness Teaching (2)

Knowledge, skills and techniques of teaching fitness; individual skill development; competency in instructional techniques of teaching fitness in school settings.

PETE 2002 - Ed Games/Team Sport Skill (4)

Knowledge, skills, techniques of teaching educational games and team sports; individual skill development; competency in instructional techniques of teaching educational games in school settings.

PETE 2003 - Skill Comp Individual Sport (4)

Knowledge, skills, techniques of teaching individual sport skills; individual skill development; competency in instructional techniques of teaching individual sport skills in school settings. Students select from a variety of different individual sports including but not limited to badminton, tennis, and golf.

PETE 2006 - Ed Gym/Movement Concepts (2)

Knowledge, skills, techniques of teaching educational gymnastics; individual skill development; competency in instructional techniques of teaching educational gymnastics in school settings.

PETE 2009 - Ed Dance/Movement Concepts (2)

Knowledge, skills, techniques of teaching educational dance; individual skill development; competency in instructional techniques of teaching educational dance in school settings.

PETE 2500 - Methods Techniques of Coaching (3)

Examination of research and best practices for coaching individual and team sports in school-based and community settings; high quality coaching strategies, skills, activities, and resources; basic first aid.

PETE 3307 - Psychosocial Aspect of Sport (3)

(EXSS 3307). Designed to help students develop understanding of psychological aspects of participation in sport; emphasis on research and theoretical frameworks related to performance enhancement and enjoyment in sport.

PETE 3308 - Exceptional Learner Phys Ed (3)

(EXSS 3308). Nature and etiology of disabilities prevalent in children, knowledge and technical skills pertinent to the design of adapted physical activity programs and the teaching of physical activities for specific disabilities.

PETE 3604 - Teach Phys Ed/Health/K-Middle (2)

(EXSS 3604). Skills, activities, and resource materials for teaching elements of movement, educational games, educational gymnastics, and physical fitness to youth. COREQUISITE: EXSS 3605.

PETE 3800 - Instr Strategies Phys Ed (3)

Emphasis on development and application of developmentally appropriate instructional strategies in school based physical activity settings. Students initiate Professional

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Development Portfolios (PDF) and must be accepted into the Teacher Education Program to enroll in this course.

PETE 3903 - Hist/Phil Aspect/Phys Activity (3)

Development of the discipline of physical education through historical, philosophical, sociological and scientific bases. PREREQUISITE: Upper division standing and satisfactory completion of the English composition requirements.

PETE 4200 - Curr/Integrate Learn Elem PE (4)

Emphasis on development and implementation of developmentally appropriate curriculum in early childhood and elementary school physical activity settings. Part of PETE Instructional Block taken in the Fall of Senior year. Block courses may be taught in local Professional Development Schools. COREQUISITE: PETE 3800, 4300, and 4400.

PETE 4201 - Curr/Integ Learn/EI PE Well (3)

Emphasis on development and implementation of appropriate curriculum in early childhood and elementary school physical activity and wellness settings. PREREQUISITE: admission to TEP. COREQUISITE: PETE 4301/4401, PETE 4501.

PETE 4300 - Curr/Aspect Lrng Secondary Ed (4)

Teaching strategies, management techniques, curricula planning, evaluation and research for effective physical education teaching in grades 7-12. Part of PETE Instructional Block taken in the Fall of Senior year. Block course may be taught in local Professional Development Schools. Students must be accepted into the Teacher Education Program to enroll in this course. COREQUISITE: PETE 3800, 4200, and 4400.

PETE 4301 - Curr/Integ Learn/Sec PE/Well (3)

Teaching strategies, management techniques, curricula planning, evaluation and research for effective physical education and wellness instruction in grades 7-12. PREREQUISITE: admission to TEP. COREQUISITE: PETE 4201/4401, PETE 4501.

PETE 4400 - Learner Assessmnt in PE (3)

Emphasis on assessment techniques, tools, resources and their application to assessment in school based physical activity programs. Part of PETE Instructional Block taken in the Fall of Senior year. Block courses may be taught in local Professional Development Schools. Students must be accepted into the Teacher Education Program to enroll in this course. COREQUISITE: PETE 3800, 4200, and 4300.

PETE 4401 - Learner Assessment PE/Well (3)

Assessment techniques, tools, resources and their application to assessment/evaluation in school-based physical activity and wellness programs. PREREQUISITE: admission to TEP. COREQUISITE: PETE 4201/4301; PETE 4501.

PETE 4501 - Residency I Practicum PE/Well (5)

Clinical teaching experience in Physical Education and Wellness at an assigned Residency I school during Fall semester, senior year. PREREQUISITE: admission to TEP, all other coursework required for program completed. COREQUISITE: PETE 4201/4301/4401.

PETE 4601 - Residency II Seminar PE/Well (3)

Senior semester taken concurrently with Residency II which requires students to analyze and seek solutions to problems encountered in current practices and issues in education and specific to physical education. PREREQUISITE: PETE 4201/4301/4401; PETE 4501. COREQUISITE: PETE 4701.

PETE 4605 - Intern/PETE/Community PE (3-9)

Culminating experience allowing students the opportunity to demonstrate knowledge and skills in an appropriate professional setting. PREREQUISITE: senior status and permission of advisor and coordinator of internships; First Aid and CPR certification.

PETE 4701 - Residency II Practicum PE/Well (9)

Full-time planned and supervised experience in a setting appropriate to student's area of specialization; synthesize knowledge and skills; demonstrate professional competencies in educational settings. PREREQUISITE: PETE 4201/4301/4401; PETE 4501. COREQUISITE: PETE 4601.

PETE 4800 - Prof Seminar Leaders PE (3)

Senior seminar taken concurrently with student teaching which requires student to analyze and seek solutions to problems encountered in current practices and issues in education and specific to physical education; integrate and synthesize knowledge and experiences in development of role as professional education leader. The student's Professional Development Portfolio (PDP) is assessed as part of this course. Student must be accepted into the Teacher Education Program to enroll in this course. COREQUISITE: student teaching.

PETE 4909 - Student Teaching in PETE (9)

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Hospitality and Resort Management (HPRM)

Management Information Systems (MIS)

Management (MGMT)

Marketing (MKTG)

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Art History (ARTH)

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Theatre (THEA)

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Applied Music (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and

Appreciation (MUHL)

Music Industry (MUID)

Music Theory and Composition (MUTC)

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Civil Engineering (CIVL)

Electrical and Computer Engineering (EECE)

Engineering (ENGR)

Mechanical Engineering (MECH)

Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

Full-time planned and supervised experience in a setting appropriate to student's area of specialization; synthesize knowledge and skills; demonstrate professional competencies in educational settings. PREREQUISITE: approval from Teacher Education Director.
COREQUISITE: PETE 4800.

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SLC

(SLC) SPORT AND LEISURE COMMERCE
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Richard Bloomer, Ph.D., Chair
Room 106, Elma Neal Roane Fieldhouse
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In addition to the courses below, the department may offer the following Special Topics courses:

SLC 4102-11. Special Topics Workshop in Sport and Leisure Commerce. (1-6).

Selected phases of sport and leisure commerce through group study, in-depth study in area of interest and need for leaders in sport and leisure commerce. May be repeated for credit when topic varies.

SLC 4902-11. Special Topics in Sport and Leisure Commerce (1-3). Current topics in sport and leisure commerce. May be repeated with change in topic. Topics are varied and in online class listings.

SLC 4001 - Sport Sales/Revenue Prod I (3)

Analysis of skills essential to revenue production and sales processes in sport business. PREREQUISITE: permission of instructor.

SLC 4002 - Sport Sales/Revenue Prod II (3)

Skills essential to managing existing customer sales in sport business. PREREQUISITE: successful completion of SLC 4001.

SLC 4800 - Adv Computer Apps in SPRT (3)

Evolution, current application, and future potential of computers for sport commerce. PREREQUISITE: permission of instructor.

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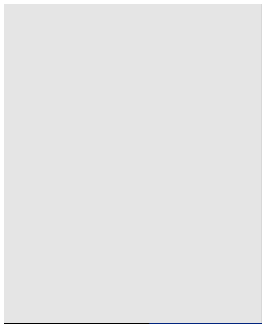
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In addition to the courses below, the department may offer the following Special Topics courses:

SLS 4590-99. Special Topics in Sport and Leisure Management. (3). May be repeated for a maximum of 12 hours credit when topic varies.

SLS 2105 - Foundation/Sport/Leisure Mgt (4)

Explores and analyzes sport and leisure management from philosophical, historical, and organizational perspectives. Course includes 40 contact hour clinical experience.

SLS 2605 - Field Experience in SLS (1-9)

Allows students entering Sport and Leisure Studies program early, supervised practical experiences in a variety of sport and leisure service areas. (S/U).

SLS 3005 - Computer Applctn Sport/Leisure (3)

History and application of computers and information systems; emphasis on hardware and software relevant to sport and leisure programs as well as applications of common computer programs to specific leisure service and sport management situations.

SLS 3103 - Outdoor Rec/Ed Urban America (4)

Analysis of concepts and issues associated with outdoor recreation and education with an emphasis on urban citizen; outdoor recreation behavior in terms of individual dynamics of participation, resources for outdoor recreation, outdoor education, and outdoor leadership; achieves balance among practical information, theory, and information from current research.

SLS 3104 - Commercial Rec and Tourism (3)

Survey of urban commercial recreation with special emphasis on travel and tourism; sport and athletics, theaters, fitness centers, amusement and theme parks, aquatic areas, risk recreation, and historical areas, as well as the travel and tourism industry. PREREQUISITE: SLS 2105.

SLS 3105 - Sport/Leisure as Pop Culture (3)

The analysis of the production and consumption of sport and leisure as an aspect of contemporary popular culture; relationship between sport and leisure and the economy, the media, politics, and the experience of class, race, gender, ethnicity, and nationality. PREREQUISITE: SLS 2105.

SLS 3202 - Park/Recreation Resource Mgmt (3)

Management, operation, and maintenance of areas and facilities within field of recreation and parks; identification, acquisition, allocation, development, and management of land and water resources through environmentally sound techniques.

SLS 3204 - Org Analysis Sport/Leisure (3)

Analysis of the organization and administration of sport and leisure service organizations; organizational structuring; goals, objectives, and policy development; planning process; personnel development; risk management; conflict resolution as applied to sport and leisure services. PREREQUISITE: SLS 2105.

SLS 3205 - Area/Facility Planning (3)

Planning, development, and maintenance of sport and leisure facilities; inspection, comprehensive recreation surveys, and planning a layout.

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SLS 3305 - Leisure/Recreation Prog Devlp (3)

Planning techniques in regard to citizen surveys, leisure and recreation needs analysis, leisure and recreation activity selection, and leisure and recreation program design, promotion, and evaluation.

SLS 3600 - Event Management (3)

Basic concepts pertaining to production of sporting events, both amateur and professional; planning, organizing, publicizing, and conducting an event. PREREQUISITE: SLS 3205.

SLS 3605 - Financial Management SLS (3)

Basic finance and accounting applied to managerial control of sport and leisure organizations; feasibility analysis, formulation and development of operating budgets, financial forecasting, ownership models, taxation issues, and revenue production. PREREQUISITE: SLS 2105.

SLS 3650 - Sport Info/Public Relations (3)

Basic knowledge and understanding of media relations in both amateur and professional sport; special emphasis is placed on building and maintaining an effective media relations program; writing for media, public relations, and business communications. PREREQUISITE: SLS 2105.

SLS 3905 - Leisure/Recr Disabilities (3)

Examination of role of leisure and recreation for persons with special needs including individuals with physical, emotional, mental, and social disabilities.

SLS 4001 - Park/Rec Visitor Mgmt (3)

Visitor management as it relates to design and management of visitor interpretive and educational services; attended and unattended services including interpretive talks, living interpretation, audio devices, self-guided tours, exhibits, and educational publications. This course may be taken to improve the grade for one, but not both, of the former courses.

SLS 4105 - Leadership in Leisure Services (3)

Concepts of leisure leadership through group discussion, activity, role-playing, gaming, lecture, and class projects.

SLS 4125 - Gender/Race/Class Urb Sp/Lei (3)

Socially constructed categories of class, race, and gender, and their influence on perceptions of the body; way these categories shape institutionalization, practice, and representation of sport and leisure is discussed with an emphasis on promoting unbiased and non-prejudicial sport and leisure cultures. PREREQUISITE: SLS 3105, or permission of the instructor.

SLS 4135 - Sport/Culture Global Perspect (3)

Nature, meaning, and significance of sport, leisure, and popular culture across selected nations. Identification and systematic analysis of persistent problems in American sport and popular culture as well as cultural interstices in emerging global village; cultural conflict, cultural resistance, and cultural imperialism. PREREQUISITE: SLS 2105. PREREQUISITE: Social Sciences requirement, SLS 3105, or permission of instructor.

SLS 4141 - Chronology of Sport (3)

Historical development of sport from either a general or sport-specific perspective including the growth of competition, the rise of sport(s), management of sport, changing function of sport, chronicles of sport as business and history of the relationship between sport and other institutions. May be repeated for a maximum of 9 hours credit when change of topic.

SLS 4155 - Sport/Leisure Governance (3)

Development and enforcement of policy by and within governing bodies and systems specifically for local, national, and international sport and leisure organizations. PREREQUISITE or COREQUISITE: SLS 3204 or permission of instructor.

SLS 4165 - Sport/Global City (3)

Synergies and disjunctures between the U.S. and global sport and leisure marketplace. PREREQUISITE or COREQUISITE: SLS 3105, or permission of instructor.

SLS 4175 - Internationl Persp Sport Mgmt (3)

Management of sport and leisure organizations in a global context.

SLS 4205 - Legal/Ethical SLS (3)

Legal and statutory regulations relevant to sport and leisure programs in urban context; emphasis placed on promotion of ethical decision-making and practices in field of sport and leisure; developing statement of principles/values, and code of ethics; identification and compliance with relevant legal and statutory regulations; contracts; trademarks,

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SLS 4500 - Sport/Leisure Mktg (3)

Basic marketing concepts with applications to the uniqueness of the sport and leisure industry; event marketing, sponsorship, licensing, sport information and public relations. PREREQUISITE: SLS 2105, SLS 3105.

SLS 4590 - Christianity Culture Sport/Rec (3)

This course will examine the phenomenon of the Christian Sport and Recreation Ministry. In addition to church sport and recreation programs, facilities and career opportunities, this class will also examine the reasons church settings provide sport and leisure; including, the philosophy, values and objectives of having such programs.. This course will include field trips to a variety of church sport & recreation facilities.

SLS 4605 - Intern Sport/Leisure Mgmt (3-12)

Culminating experience allowing students the opportunity to demonstrate knowledge and skills in an appropriate professional setting based upon their training and experience. Represents a culminating experience and can only be conducted when all other course work is complete. PREREQUISITE: senior status and permission of advisor and coordinator of internships. COREQUISITE: HMSE 4999.

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(ECED) EARLY CHILDHOOD EDUCATION
Department of Instruction and Curriculum Leadership
Deborah Lowther, Ph.D., Interim Chair
Room 106D, E.C. Ball Hall
<http://icl.memphis.edu/>

ECED 3555 - Obsrv/Assmnt Infant/Erly Ch (3)

Developmental perspective on measurement and evaluation in early childhood years. Considers standardized tests, observations, checklists and rating scales, and tests designed by teachers; their advantages and disadvantages for use with young children; and professional ethical issues pertaining to evaluating young children. Field experience required. PREREQUISITE: EDPR 2111, EDPR 4301, and admission to TEP. COREQUISITE: ECED 4405, 4500, 4540, 4515.

ECED 4005 - Fam/Sch Collaboration/ECED (3)

Emphasizes family systems theory as a guide to understanding, appreciating, and supporting diverse families; strategies for collaborating with families. Field experiences required. PREREQUISITE: EDPR 2111, EDPR 4301, and admission to TEP. COREQUISITE: ECED 3555, 4500, 4540, 4515.

ECED 4500 - Emergent Literacy/Lang Dev (3)

Cognitive view in developmental perspective of language development and literacy processes from birth to age five; materials and methods of teaching and assessing language development and emergent literacy from a sociocultural perspective. Field experience required. COREQUISITE: ECED 3555, 4005, 4540, 4515 and admission to TEP.

ECED 4510 - Early Chld Prgms/Pr (3)

Early childhood profession, its multiple historical, philosophical, and social foundations; current issues, trends and public policies affecting children, families, programs for young children and early childhood profession; exploring early childhood teacher roles and responsibilities through observations in multi-cultural settings. Field experience required. PREREQUISITE: admission to TEP. (F,Sp).

ECED 4515 - Teach/Lrng Erly Chld Ed (3)

Developmentally appropriate teaching and learning methods with emphasis on the teacher's role as facilitator; fostering development and learning through play; creating appropriate, psychologically safe and healthy learning environments; fostering individual and group interactions. Field experience required. PREREQUISITE: EDPR 4301 and admission to TEP.

ECED 4520 - Plan/Facilitn Social Lrng/Dev (3)

Planning, implementing, and evaluating programs to facilitate young children's social learning from birth through age 8; addresses socialization, social science skills, knowledge, and dispositions in context of integrating content instruction and learning. Field experience required. PREREQUISITE: ECED 4515 and admission to TEP. COREQUISITE: ECED 4530.

ECED 4525 - Practicum Early Chld Tch/Lrn (1-3)

Planning, implementing, evaluating early childhood methods and materials in K-3 classes. PREREQUISITE: ECED 4515 and admission to TEP.

ECED 4530 - Plan/Facilitn Math/Science Lrng (3)

Provides knowledge, skills, and dispositions necessary to plan for and facilitate development and learning of physical, logico-mathematical, social knowledge of math and science for children from birth through nine years. Field experience required. PREREQUISITE: ECED 4515 and admission to TEP. COREQUISITE: ECED 4520, ICL 4914, RDNG 4240.

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ECED 4540 - PIn/FcIt Infant/Toddler Dev (3)

Models, principles, curriculum and practices of developmentally appropriate infant/toddler caregiving; emphasis on teacher's knowledge of child development, skills and dispositions necessary to foster infant and toddler development in group care settings. Field experience required. **COREQUISITE:** ECED 4515 and admission to TEP.

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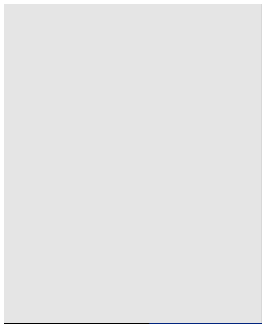
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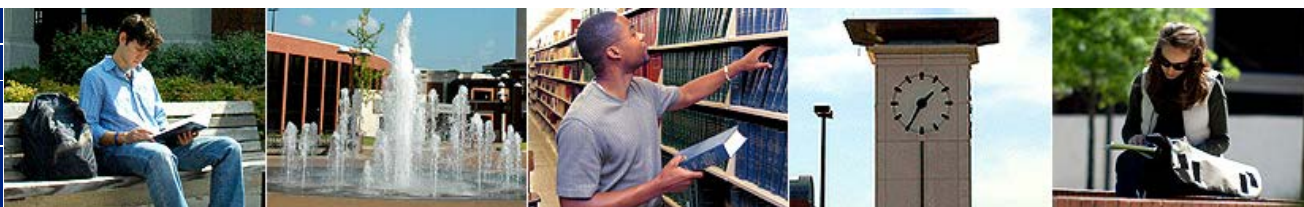
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EDSV 4750 - Problems/Ed Services (1-3)
Independent study and field projects on selected problems, interests, and needs related to educational programs in training settings.

EDSV 4850 - Practicum/Training Settings (1-3)
Opportunities to gain experience in a variety of settings; tailored to interests, needs and career pathways of student. **PREREQUISITE:** approval by program coordinator. (S/U)

EDSV 4950 - Internship/Training Settings (3-12)
Planned and supervised full-time experience in a training setting appropriate to the student's specialization area; opportunities to synthesize knowledge and skills and demonstrate professional competencies in an appropriate setting. **PREREQUISITE:** approval

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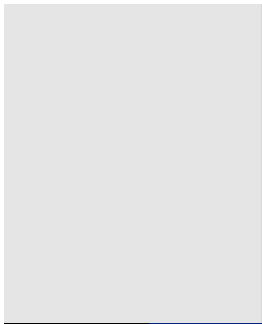
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ELED 3242 - Teaching/Learning Elem School (3)
Focus on best practices for student learning and cognition in grades K-6; identification, development, and evaluation of strategies and models of instruction sensitive to individual needs of children; emphasis on planning and instruction.

ELED 3251 - Method/Teach Math/Elem Grades (3)
Instructional techniques, curriculum, and materials for teaching mathematics to elementary school students. COREQUISITE: ELED 3261, RDNG 4241, SPED 3804, ICL 4905. PREREQUISITE: admission to TEP and all other coursework must be completed for Residency II Semester requirements.

ELED 3261 - Method/Teach/Science/Elem Grde (3)
Instructional techniques, curriculum, and materials for teaching science to elementary school students. COREQUISITE: ELED 3251, SPED 3804, ICL 4905. PREREQUISITE: admission to TEP and all other coursework must be completed for Residency II Semester requirements.

ELED 3271 - Method/Social Studies/Elem Grd (3)
Instructional techniques, curriculum, and materials for teaching social studies to elementary school students. COREQUISITE: SPED 3800, ICL 4020, ICL 4021, RDNG 4241. PREREQUISITE: ELED 3242, SPED 2000; admission to TEP.

ELED 3281 - Residency I/Elem Teach Pract (3)
Integration of curriculum and instruction for K-6 grades; extended field experiences involving observation and teaching in diverse classrooms. COREQUISITE: ELED 3251, ELED 3261. PREREQUISITE: admission to TEP and completion of all coursework except Residency II semester.

ELED 4351 - Teaching/Learning K-8 (2)
Teacher candidates develop knowledge of best practices for student learning and cognition; identify, develop, and evaluate strategies and techniques of instruction that are sensitive to individual needs of children within a culturally and economically diverse population; emphasis on planning, instruction, assessment, and professional development. Ten hours field experiences. PREREQUISITE/COREQUISITE: ELED 4352, 4353, 4354, admission to TEP, and completion of ALL coursework except Student Teaching and Professional Seminar.

ELED 4352 - Curriculum and Methods K-8 (4)
Teacher candidates will learn developmentally appropriate curriculum for K-8 in literacy, science, mathematics, social studies, and fine arts; methods specific to content areas and evaluate current educational materials such as software, textbooks, and manipulatives. Twenty hours field experiences. PREREQUISITE or COREQUISITE: ELED 4351, 4353, 4354, admission to TEP, and completion of ALL coursework except Student Teaching and Professional Seminar.

ELED 4353 - Thematic Instruction K-8 (4)
Curriculum, methods, and materials for teaching integrated curriculum with a focus on real-world experiences with diverse students in urban settings; teacher candidates will reflect and use a thematic unit to instruct K-8 students; emphasis includes critical development of how to improve learning and instruction for all students. Twenty hours field experiences. PREREQUISITE or COREQUISITE: ELED 4351, 4352, 4354, admission to TEP, and completion of ALL coursework except Student Teaching and Professional Seminar.

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ELED 4354 - Practicum Integrative Urb Envrn (2)

Integration of the curriculum and teaching for K-8 grades that includes urban site visitation experiences for observation and teaching diverse learners in real-world situations. PREREQUISITE or COREQUISITE: ELED 4351, 4352, 4353, admission to TEP, and completion of ALL coursework except Student Teaching and Professional Seminar.

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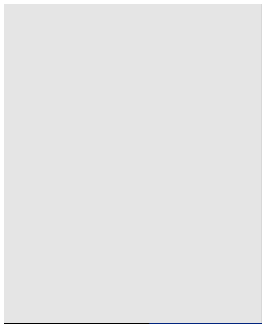
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ICL

(ICL) INSTRUCTION AND CURRICULUM LEADERSHIP

Deborah Lowther Ph.D., Interim Chair
Room 106D, E.C. Ball Hall
<http://icl.memphis.edu/>

In addition to the courses below, the department may offer the following:

ICL 4701-09. Workshops in Curriculum and Instructional Leadership. (1-9). Various areas of curriculum and elements of instruction explored. Active student participation included. See online class listings for specific workshop number and topic. May be repeated for a maximum of 9 hours credit in any one topic. (S/U)

ICL 4950-59. Special Topics in Instruction and Curriculum Leadership. (1-3). Current topics in areas of curriculum and instruction at all levels. Topics are varied in online class listings.

ICL 3000 - Principles of Teaching (3)

Research practices and application of principles of instruction that promote effective teaching and facilitate cognition. PREREQUISITE: EDPR 2111, LEAD 2010.

ICL 3001 - Know/Learn/Math/Science (3)

Focus on issues of what it means to learn and know science and mathematics; includes critical examination of the needs of a diverse student population; discussion of current issues in education, especially as related to mathematics and science education. Enrollment limited to students in the Tigers Teach program.

ICL 3002 - Classroom Interactions (3)

Focus on teaching and learning in mathematics and science; includes introduction to ways in which curriculum and technology are effectively used in classroom settings; examines equity in mathematics and science. PREREQUISITE: INTD 1020, 1021, and ICL 3001. COREQUISITE: ICL 3003.

ICL 3003 - Pract Secondary Math/Science (1)

Extended field experiences involving observation and teaching in high school mathematics and science classrooms. PREREQUISITE: INTD 1020, 1021, ICL 3001. COREQUISITE: ICL 3002.

ICL 3333 - Stdnt Assess/Inst Dec Mkng (3)

Examination of aspects and types of classroom assessments, with particular interest on formative assessment, and the subsequent use of assessment results to improve student learning. PREREQUISITE: admission to TEP.

ICL 3901 - Special Problems Instruction (1-6)

Supervised individual investigation in area of instruction. PREREQUISITE: experience as teacher or satisfactory evidence of being qualified to benefit from course.

ICL 4001 - Learning Urban Environ K-8 (3)

Focus on theory and practices related to effective teaching of students in urban contexts. Emphasis placed on teaching strategies and curriculum development for diverse classrooms. PREREQUISITE: LEAD 2010.

ICL 4002 - Fndmtl/Urban Mid Grade Ed (3)

Teacher candidates develop knowledge of best practices for middle grades learning and cognition; identify, develop, and evaluate strategies and techniques of instruction that are sensitive to individual needs of children within a culturally and economically diverse population. Emphasis on planning, instruction, assessment, and professional development. Clinical/field experiences: additional hours required. PREREQUISITE: Admission to TEP.

ICL 4003 - Teach Mid School Language Arts (3)

Principles, techniques, materials for teaching language arts in middle grades. Additional

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hours of field experience required. PREREQUISITE: Admission to TEP. (F)

ICL 4004 - Teach Mid Grade/Math (3)

Instructional techniques, curriculum and materials for teaching mathematics to middle school students with emphasis on problem solving. Clinical/field Experience: additional field hours are required. PREREQUISITE: Admission to TEP. (F)

ICL 4005 - Teach Mid Grade/Science (3)

Instruction in principles, techniques, and materials for teaching relationships among science, technology, and society, for the middle grades students. Additional field hours are required. PREREQUISITE: Admission to TEP. (F)

ICL 4006 - Teach Mid Grade/Social Science (3)

Instructional strategies and assessment procedures relevant to teaching social studies to students in the middle grades. Emphasis will be placed on how to address the National Council of Social Studies Standards with middle school students. Clinical/field Experience: additional field hours are required. PREREQUISITE: Admission to TEP. (F)

ICL 4020 - Language/Comm/Diverse Classrm (3)

Instruction for students with typical and exceptional communication needs; interpreting speech/language assessment reports and designing instruction; use of augmentative and alternative communication devices and working with non-native English speaking students. Field Hours: 8. PREREQUISITE: SPED 2000. COREQUISITE: ICL 4021, SPED 3800, ELED 3271, RDNG 4241, admission to TEP.

ICL 4021 - Professional/Ethical Practices (3)

Education policy and practice; accountability, ethics, advocacy. and social challenges; working with families and community stakeholders; instructional planning includes creating individual education plans, individual family plans and transition planning. PREREQUISITE: SPED 2000. COREQUISITE: ICL 4020, SPED 3800, ELED 3271, RDNG 4241, admission to TEP.

ICL 4121 - Library Materl Yng Peop/Adlts (3)

Evaluation and selection of books and related library materials for leisure interests and curriculum needs of young people and adults from junior high school up; extensive reading, introduction to selection criteria, bibliographic aids, authors and illustrators, and types of literature and information books.

ICL 4450 - Indivilized Instrctn Practicum (1-3)

Implementation of instruction in individual and small group situations for learners experiencing difficulty in selected basic skills areas; requires design and delivery of tutorial type instruction under guidance of supervisory personnel. May be repeated for maximum of 9 hours credit. (S/U)

ICL 4715 - Clinical/Practicum (2)

Seminars and participation as assistant to classroom teacher; emphasis on teacher roles and on adapting subject discipline to school curriculum. PREREQUISITE: EDPR 2211, LEAD 2010. (S/U)

ICL 4716 - Project-Based Instruction (3)

Students master new technologies for project-based investigations in mathematics and science classrooms; use of assessment to improve student learning. Enrollment is limited to students in the Tigers Teach program. PREREQUISITE: ICL 3002, 3003. COREQUISITE: ICL 4717.

ICL 4717 - Pract in Project-Based Instruc (3)

Extended field experiences involving observation and teaching in high school mathematics and science classrooms. Field experiences focus on the implementation of Project-Based Instruction. PREREQUISITE: ICL 3002, 3003. COREQUISITE: ICL 4716.

ICL 4761 - Aerospace Ed in Schools (3)

Aerospace content and flight experiences. Emphasizes classroom application.

ICL 4762 - Adv Aerospace Ed in Schools (3)

Theory, principles and practices related to historical development of aerospace; emphasis on both civilian and military uses of aerospace capabilities. Appropriate utilization of aerospace research, concepts, and "spinoffs" for instructional purposes in the classroom at all grade levels. PREREQUISITE: ICL 4761.

ICL 4800 - Residency II Prof Seminar (3)

Senior seminar taken concurrently with student teaching which requires students to analyze and seek solutions to problems encountered in current practices and issues in education. Students draw upon each specialization within discipline to integrate and synthesize knowledge and experience in development of their roles as professional educational leaders. COREQUISITE: student teaching.

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ICL 4901 - Student Teach/Early Child (2-10)

Full-time planned and supervised experience in a setting appropriate to student's area of specialization providing opportunities to synthesize knowledge and skills and demonstrate professional competencies in educational setting. PREREQUISITE: approval from Teacher Education Director. COREQUISITE: ICL 4800. (S/U)

ICL 4902 - Clinical Residency II/ECED (9)

Full-time planned placement appropriate to candidate's area of licensure providing opportunities to demonstrate competencies associated with successful teaching and student achievement. Capstone performance assessment requirement for successful completion. PREREQUISITE: admission to the Residency, approval from Director of Teacher Education, and passing all required licensure exams. COREQUISITE: ICL 4800.

ICL 4904 - Clinical Residency II/TALN (9)

Full-time clinical placement appropriate to candidate's area of licensure providing opportunities to demonstrate professional competencies associated with successful teaching and student achievement. Capstone performance assessment required for successful completion. PREREQUISITE: admission to the Residency, approval of Director of Teacher Education, and passing all required licensure exam. COREQUISITE: ICL 4800.

ICL 4906 - Teaching All Learners (2-10)

Full-time planned and supervised experience in a setting appropriate to student's area of specialization providing opportunities to synthesize knowledge and skills and demonstrate professional competencies in educational setting. PREREQUISITE: approval from Teacher Education Director. COREQUISITE: ICL 4800. (S/U)

ICL 4907 - Stndt Tchng/Secondary School (2-10)

Full-time planned and supervised experience in a setting appropriate to student's area of specialization providing opportunities to synthesize knowledge and skills and demonstrate professional competencies in educational setting. PREREQUISITE: approval from Teacher Education Director. COREQUISITE: ICL 4800. (S/U)

ICL 4908 - Student Teaching/Health (2-10)

Full-time planned and supervised experience in a setting appropriate to student's area of specialization providing opportunities to synthesize knowledge and skills and demonstrate professional competencies in educational setting. PREREQUISITE: approval from Teacher Education Director. COREQUISITE: ICL 4800. (S/U)

ICL 4909 - Student Teaching/Phys Ed (2-10)

Full-time planned and supervised experience in a setting appropriate to student's area of specialization providing opportunities to synthesize knowledge and skills and demonstrate professional competencies in educational setting. PREREQUISITE: approval from Teacher Education Director. COREQUISITE: ICL 4800. (S/U)

ICL 4910 - Stndt Tchng/Voc Home Ec (2-10)

Full-time planned and supervised experience in a setting appropriate to student's area of specialization providing opportunities to synthesize knowledge and skills and demonstrate professional competencies in educational setting. PREREQUISITE: approval from Teacher Education Director. COREQUISITE: ICL 4800. (S/U)

ICL 4911 - Student Teaching in Music (2-10)

Full-time planned and supervised experience in a setting appropriate to student's area of specialization providing opportunities to synthesize knowledge and skills and demonstrate professional competencies in educational setting. PREREQUISITE: approval from Teacher Education Director. COREQUISITE: ICL 4800. (S/U)

ICL 4913 - Clinical Residency II/Mid Grds (9)

Full-time clinical placement appropriate to candidate's area of licensure providing opportunities to demonstrate professional competencies associated with successful teaching and student achievement. Capstone performance assessment required for successful completion. PREREQUISITE: admission to the Residency, approval of Director of Teacher Education, and passing all required licensure exams. COREQUISITE: ICL 4800.

ICL 4914 - Residency I Practicum (5)

An in-depth clinical experience designed to provide teacher candidates an opportunity to experience all aspects of being a professional educator. Candidates will be placed in partner schools for the entire first week of school and for multiple days each week of semester. PREREQUISITE: admission to TEP and passing appropriate Praxis II content knowledge exam. COREQUISITE: course work by licensure area with approval from advisor.

ICL 4960 - Academic Content for Teaching (1-9)

Academic content areas in disciplines supportive of school curriculum. May be repeated to remove deficits for teacher licensure and with change of content.

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IDT

(IDT) INSTRUCTIONAL DESIGN AND TECHNOLOGY
Deborah Lowther, Ph.D., Interim Chair
Room 106D, E.C. Ball Hall
<http://icl.memphis.edu/>

IDT 3600 - Technology in Education (3)

Integration of varied uses of technology into classroom learning environments while increasing students' technological knowledge and skills; word processing, spreadsheets, authoring; Internet tools and resources, presentation, communication, collaboration. Additional field experience hours required.

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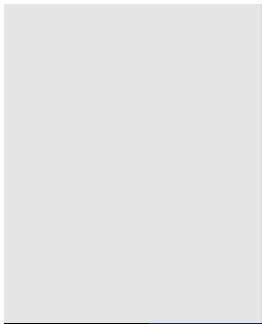
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(LEAD) LEADERSHIP
Larry McNeil, Ph.D., Chair
Room 113, Patterson Hall
<http://leadership.memphis.edu/>

The Department of Leadership offers only graduate level degree programs but does provide courses as part of undergraduate degree programs offered by other departments in the college and University.

LEAD 2010 - Foundations/American Education (3)

Introduction to roles and responsibilities of teachers in urban school settings; evolution of educational policies and practices; organization and structure of schools; examination of schools as cultural systems; philosophical, historical, and legal approaches; field experience (5 hours). PREREQUISITE: sophomore standing.

LEAD 3350 - The Adult Learner (3)

Variety of learning patterns and developmental characteristics of adult emphasis on applications in programs or other activities for adult learners.

LEAD 4000 - Education/School/Amer Society (3)

Interdisciplinary study of educational policies and practices in American society; role and function of school and teachers; analysis of major problems and issues facing contemporary public education. Five hours of school visitation required. PREREQUISITE: upper division standing or bachelor's degree.

LEAD 4044 - SPED Law for Educators (3)

Legal foundations of special education; analytical tools for competent decision-making at school level. Designed for teachers, principals, school administrators, parents, special education advocates. PREREQUISITE: LEAD 2010 or SPED 2000, or permission of instructor.

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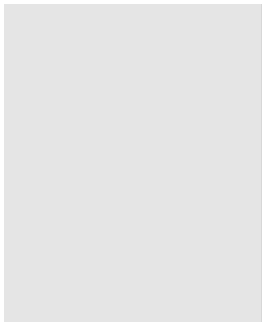
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Reading

(RDNG) READING

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Deborah Lowther, Ph.D., Interim Chair
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RDNG 4240 - Literacy in Grades K-4 (3)
(ELED). Offers a socio-constructivist perspective on theory and pedagogy as related to materials and methods of teaching; assessing listening, speaking, beginning reading and writing, and thinking. **PREREQUISITE:** admission to TEP. Additional field experiences hours required.

RDNG 4241 - Literacy in Grades 4-8 (3)
(ELED). Instructional strategies and assessment procedures relevant to the acquisition of reading, speaking, listening, writing, and thinking skills for students in the middle grades. Field hours required. **PREREQUISITE:** admission to TEP and ELED 4240. (Sp)

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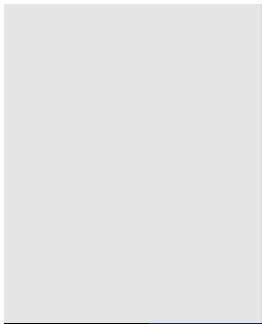
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SPED

(SPED) SPECIAL EDUCATION
Department of Instruction and Curriculum Leadership
Deborah Lowther, Ph.D., Interim Chair
Room 106D, E.C. Ball Hall
<http://icl.memphis.edu/>

In addition to the courses below, the department may offer the following Special Topics courses:

SPED 4101-10. Special Topics in Special Education. (1-3). Investigation in selected areas of special education. Topics are varied and in online class listings.

SPED 4801-10. Workshop in Special Education (1-9). For professionals in field of special education. Intensive examination of current methodologies, research, issues and trends in various areas of exceptionalities. See online class listings for specific workshop title.

SPED 2000 - Foundation/Exceptional Learn (3)

Current research and practices concerning physical, cognitive, emotional, and social characteristics of individuals with exceptionalities; special education laws, educational needs, cultural diversity, inclusion in general education classroom. Field Hours: 4

SPED 2010 - Intro to Comm Disorders (3)

Basic principles involved in developing a therapeutic approach to speech/language correction.

SPED 2030 - Speech Language Phonetics (3)

International Phonetics Alphabet and the principles of effective voice usage; emphasis on improving voice, diction, and diction characteristics through exercises in projection, articulation, and pronunciation. PREREQUISITE: admission to TEP.

SPED 2060 - Speech Therapy/Public School (3)

Role and responsibilities of speech teacher; legislative foundation of special education with emphasis on the IEP process and procedures. PREREQUISITE: admission to TEP.

SPED 3002 - Indep Study Special Educ (1-6)

Opportunity for self-directed study and/or research under supervision. PREREQUISITE: consent of department.

SPED 3201 - Behv Supt Stdnt Diverse Set (3)

Identification and education of students with behavioral excesses, including those who have been certified as seriously emotionally disturbed; causative factors, characteristics, appropriate educational placement alternatives and practices. Practicum (30 hrs.) with students with emotional/behavioral disorders and/or pervasive developmental disorders. PREREQUISITE: SPED 2000.

SPED 3310 - Disorders of Speech (3)

This course will provide students with some of the basic principles involved in developing a therapeutic approach of speech correction. Eight (8) hours of field experience. PREREQUISITE: admission to TEP.

SPED 3401 - Academic Support Diverse Lrns (3)

Historical and current practices in providing services for students with learning disabilities and related learning problems; characteristics, current research-based instructional practices; special education teacher's role in implementing support services. Practicum (30 hrs.) with students with learning disabilities. PREREQUISITE: SPED 2000.

SPED 3410 - Disorders of Language (3)

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Study of language disorders as reflected in deficiencies of symbolization and syntax. This course applies the theories of child development, speech and hearing science, and language development to provide intervention for children with language impairments. Eight (8) hours of field experience. PREREQUISITE: admission to TEP.

SPED 3420 - Intro to Audiology (3)

Introduction to the study of anatomy, physiology and pathologies of the auditory system which focuses on the theory and practice of results. PREREQUISITE: admission to TEP.

SPED 3440 - Non Verbal Comm/Stdnt Disability (3)

Introduction to Augmentative and Alternative Communication (AAC) systems to provide opportunities to learn about communication techniques for students with severe speech and language impairments, hearing loss, physical disabilities, and cognitive impairments. Cultural differences in communication will also be discussed.

SPED 3501 - Suprt Stdnt/Mental Retardation (3)

Definitions, etiology, and characteristics associated with mild to severe mental retardation; examination of evaluation, services and strategies used in educational, prevocational, and transitional settings; access and use of assistive technology. Practicum (30 hrs.) with students with mental retardation. PREREQUISITE: SPED 2000.

SPED 3610 - Speech Therapy Methods (3)

Study of traditional and current approaches and instructional strategies for teaching preschool and school age learners with speech and language and hearing impairments.

SPED 3800 - Methods I/Instruct/Literacy (3)

Study of current best practices and methods for general and literacy instruction used in special education and inclusive classrooms. COREQUISITE: ICL 4020, 4021, ELED 3271, RDNG 4241.

SPED 3801 - Practicum/Inclusive Settings (2-3)

Planning and implementation of special education methods and materials with learners having mild disabilities. Practicum: 90 hours. COREQUISITE: SPED 3800, 3804.

SPED 3802 - Ed Assessment/Inclusive Set (3)

Tests and measurements used with learners having disabilities; diagnostic achievement testing as related to instructional planning. Includes other major assessment instruments and procedures used in evaluation of mild to severe exceptionalities. Field Hours: 4. PREREQUISITE: SPED 2000. COREQUISITE: ICL 4001, ELED 3242, SPED 3803, RDNG 4241.

SPED 3803 - Classroom/Behavior Management (3)

Advanced strategies for managing social behaviors of learners with mild to severe disabilities; techniques for eliminating maladaptive behaviors, managing aggressive and antisocial students, and teaching appropriate social skills. Field Hours: 8. PREREQUISITE: SPED 2000.

SPED 3804 - SPED Methods II. Content Area (3)

Study of best practices and methods for mathematics, social studies, and science instruction currently used in special education and inclusive settings; curriculum for transition and daily living skills; assistive technology for education. Field Hours: 8. COREQUISITE: SPED 3801, ELED 3251, 3261, ICL 4908.

SPED 4000 - Meth/Mat Modrt/Severe Dis (3)

Curriculum, methods, and materials applicable to special educational needs of learners with moderate to severe disabilities; emphasis on educational and vocational skills that facilitate normalization and independent living. PREREQUISITE: SPED 3800, 3801. COREQUISITE: SPED 4001.

SPED 4001 - Modrt/Sevr Dsbly Practicum (3)

Planning and implementation of special education methods and materials with learners having moderate to severe disabilities. PREREQUISITE: SPED 3800, 3801. COREQUISITE: SPED 4000. (S/U).

SPED 4010 - Anatomy/Physiology Spch/Hear (3)

This course will provide functional background in the anatomy and physiology of hearing, speech, and swallowing, which will allow the student to communicate with speech-language pathologists and related professionals in public school setting.

SPED 4050 - Diagnostic Proc/Therapy Technq (3)

Designed to develop proficiency in administering and interpreting diagnostic procedures in speech and language disorders with specific methods and materials for remediation. PREREQUISITE: admission to TEP.

SPED 4513 - Assistive Tech/Trans Instruc (3)

Transition issues, life skills, vocational education to prepare students having significant exceptionalities for community living; legal and family concerns; effective transition

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programming; familiarity with available community resources and interagency collaboration; augmentative/alternative communication. PREREQUISITE: SPED 3501 or 4900.

SPED 4601 - Student Phys/Health Dis (3)
(3601). Educational and environmental modifications; accommodations to facilitate learning and vocational skills in general and special education; characteristics and etiology of mild to severe physical/health disabilities; supportive educational, medical, therapeutic interventions. Practicum (30 hrs.) with students with physical/health disabilities. PREREQUISITE: SPED 2000.

SPED 4900 - Consultation Schl/Fmly/Cmty (3)
Professional development issues which impact on educator interaction with students, parents and other professionals, including the development of communication and consultation skills. Practicum included.

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BIOM

(BIOM) BIOMEDICAL ENGINEERING
Joel Bumgardner, Ph.D., Interim Chair
Room 330, Engineering Technology
<http://www.be.memphis.edu/>

Undergraduate and graduate level engineering courses require an additional \$25 per credit hour.

In addition to the courses below, the department may offer the following Special Topics courses:

BIOM 4900-19. Special Topics in Biomedical Engineering. (1-3). Topics are varied and in online class listings.

BIOM 1710 - Intro Biomed Engr/Biotechnlgy (3)

General engineering problem solving, design methods, ethics with emphasis on biomedical and biotechnology applications; individual and group design projects. PREREQUISITE: MATH 1710 or 1730.

BIOM 1720 - Intro Biomed Engr Tools (3)

Use of computer tools for data analysis, presentation, documentation; introduction to programming; individual and group design projects. PREREQUISITE: MATH 1710.

BIOM 2710 - Intro Medical Measurement (4)

Theory and application of major types of sensors used in biomedical engineering and clinical medicine; principles of signal processing and instrumentation, such as frequency domain analysis, operational amplifiers, and filtration. Three lecture hours and three laboratory hours per week. PREREQUISITE: BIOM 1720, EECE 2201/2203 or EECE 2283/2281, PHYS 2120/2121.

BIOM 2720 - Experimental Design Analysis (3)

Application of probability, statistics, error analysis, uncertainty in design and performance of biomedical engineering experimentation; discussion and evaluation of common experimental designs for medical device development. PREREQUISITE: BIOM 1720 and MATH 1910.

BIOM 2810 - Intro Biomechncs/Mech of Mtrls (4)

Statics and strength of materials with application to biomedical engineering; brief introduction to rigid body kinematics and kinetics with application to gait analysis. Four lecture hours per week. PREREQUISITE: BIOM 1720, MATH 1920, PHYS 2110/2111.

BIOM 3710 - Physiological System/Modeling (3)

Fundamentals of control theory and mathematical modeling and analysis as applied to physiological systems. PREREQUISITE: BIOL 3730, BIOM 2710, MATH 3120.

BIOM 4110 - Science of Medicine (3)

Integration of fundamental principles from physics, chemistry, biology and mathematics, and applications of these principles to solve problems in medicine. PREREQUISITE: CHEM 1120, BIOL 1120, PHYS 2120, or permission of instructor.

BIOM 4150 - Engr Tools Design Med Devices (3)

Major tools that engineers use to assist them in producing good medical device products, and how and where these tools are being used in industry. PREREQUISITE: BIOM 2810 or CIVIL 2131, BIOL 1120, MECH 3320, or permission of instructor.

BIOM 4205 - Intro Biomed and Chem Sensors (3)

Measurement techniques and recognition processes; application of chemical sensors and biosensors to analysis of real samples. PREREQUISITE: BIOM 2710, CHEM 1120 and junior standing.

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BIOM 4210 - Research Studies (1-3)

Consultation, reading, laboratory and design work to investigate selected areas of biomedical engineering under supervision of faculty member; emphasis on laboratory work, design, and scientific writing. Formal paper required. PREREQUISITE: BIOM 2710, BIOM 2720, and permission of instructor.

BIOM 4393 - Appld Finite Element Analysis (3)

(Same as MECH 4393). Fundamental topics associated with use of finite element analysis in mechanical and biomedical engineering applications; introduction to finite element theory, model generation, CAD interfacing, post-processing of results and validation. PREREQUISITE: BIOM 2810 or CIVL 3322, or MECH 3322.

BIOM 4702 - Biotechn Tools for BME Res (3)

Biochemical and biophysical measurement techniques; light spectroscopy, gel exclusion and affinity chromatography, electrophoresis, immunoblotting, radioisotopic methods. PREREQUISITE: BIOL 1120, 2011 or 2021, CHEM 1120/1121, and BIOM 2720, or permission of instructor.

BIOM 4720 - Bioelectricity (4)

(3720). Bioelectricity, including calculations of potential fields resulting from cardiac or neural electrogeneration; treatment of how heart and nerves generate and propagate electrical signals. Three lecture hours, three laboratory hours per week. PREREQUISITE: MATH 3120, BIOL 1120, CHEM 1120, BIOM 2710, or permission of instructor.

BIOM 4730 - Biomaterials (4)

(Same as MECH 4365). (3730). Synthetic materials and their interaction with the physiological environment; methods to design and study materials that are compatible with natural tissue. PREREQUISITE: BIOL 1120, MECH 3320, or permission of instructor.

BIOM 4750 - Biomechanics (4)

(3750). Application of mechanical principles to the human body, with focus on joint function, muscle force transmission and generation, gait, soft-tissue mechanics, injury mechanisms and risk, and experimental measurements. PREREQUISITE: BIOM 2810 or CIVL 2131, MECH 3320, or permission of instructor. COREQUISITE: BIOL 3730.

BIOM 4760 - Biomed Engr Design Principles (3)

Practical design methods; wave propagation in tissue; flow in cardiovascular systems; circulatory assist-devices; total artificial hip; high frequency ventilation; cardiac pacemakers; intensive-care monitoring; drug delivery systems. PREREQUISITE: BIOL 3730, BIOM 2720, BIOM 2810, and BIOM 3710.

BIOM 4780 - Senior Project (3)

Student initiated projects with significant design, analytical and integrative components. Group efforts are encouraged to allow a larger range of projects. Individual contribution to the final result is the basis for the grade. PREREQUISITE: ENGL 3603, and senior standing in BME department. PREREQUISITE: BIOM 4760.

BIOM 4800 - BME Honors Seminar (1)

Weekly presentations of biomedical engineering research by visiting faculty and invited speakers; discussion of current biomedical research and topics in journals or other scientific media and professional/ethical duties and responsibilities. Course does not satisfy degree requirements, but is required to graduate with honors in Biomedical Engineering. PREREQUISITE: junior standing and approval of the Honors Committee in Biomedical Engineering.

BIOM 4900 - Medical Physiology (3)

Basic principles of human physiology and how these are applied in medicine and biomedical engineering.

BIOM 4999 - BME Honors Thesis (3)

Under the direction of a faculty member, the student writes and defends a thesis based upon background reading and experimental research on a topic in biomedical engineering. PREREQUISITE: senior standing and approval of the Honors Committee of the Department of Biomedical Engineering. NOTE: only BIOM 4999 or BIOM 4210 can be applied toward degree, not both.

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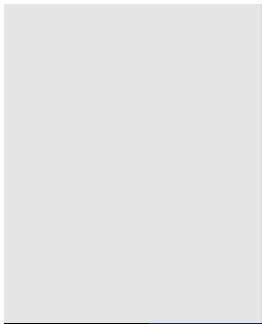
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CIVL

(CIVL) CIVIL ENGINEERING
SHAHRAM PEZESHK, Ph.D., P.E., Chair
Room 104B, Engineering Science Building
<http://www.ce.memphis.edu/>

A minimum grade of "C" must be earned in all CIVL courses that are prerequisites for other CIVL course before taking those courses.

Undergraduate and graduate level engineering courses require an additional \$25 per credit hour.

In addition to the courses below, the department may offer the following Special Topics courses:

CIVL 4900-10. Special Topics in Civil Engineering. (1-3). Topics are varied and in online class listings.

CIVL 1101 - Civil Engr Measurements (3)

Theory of measurements, linear measurements, angles, topographic surveys, and mapping with applications in Civil Engineering; emphasis on individual and group problem solving, techniques of data collection and analysis, and project documentation. Two lecture hours, three laboratory hours per week. PREREQUISITE or COREQUISITE: MATH 1720 or equivalent.

CIVL 1112 - Civil Engr Analysis (3)

Microcomputer applications for data analysis, presentation, documentation; emphasis on algorithm design and logic; fundamental numerical analysis; elementary programming. Two lecture hours, three laboratory hours per week. PREREQUISITE: CIVL 1101.

CIVL 2101 - Civil Engr Visualization (3)

Using engineering drawings and computer-aided drafting packages to communicate information and solve engineering problems; emphasis on group work, project documentation, and oral presentation. Two lecture hours, three laboratory hours per week. PREREQUISITE: CIVL 1112.

CIVL 2107 - Civil Engr Computation (3)

Incorporating programming logic into spreadsheet solutions to engineering problems; emphasis on group work, project documentation, oral presentation. Two lecture hours, three laboratory hours per week. PREREQUISITE: CIVL 2101.

CIVL 2131 - Statics (3)

Analysis of two and three dimensional force systems; centroids and moments of inertia; friction. Three lecture hours per week. PREREQUISITE: MATH 1920, PHYS 2110/2111.

CIVL 3103 - Approx/Uncertainty in Engr (3)

Application of fundamental numerical methods to obtain approximate solutions to engineering problems; application of fundamental probabilistic methods to quantify uncertainty in engineering data. Three lecture hours per week. PREREQUISITE: CIVL 2107.

CIVL 3121 - Structural Analysis I (3)

Analysis of statically determinate structures; reactions, shear, and moment; truss analysis; deflections; influence lines and moving loads. Three lecture hours per week. PREREQUISITE: CIVL 2107, 2131. PREREQUISITE or COREQUISITE: CIVL 3322.

CIVL 3131 - Design of Steel Structures (3)

Current design concepts for structural steel members and their connections. Three lecture hours per week. PREREQUISITE: CIVL 3121, 3322.

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CIVL 3137 - Civil Engr Materials (3)

Properties of aggregates, mix design and use of Portland cement concrete, masonry products and construction, use of wood and timber products in construction, bituminous materials and mixtures and other engineering materials. Two lecture hours, three laboratory hours per week. PREREQUISITE or COREQUISITE: CIVL 3322.

CIVL 3140 - Environmental Systems Engr (4)

Fundamentals of environmental engineering systems with emphasis on the integration of the concepts of chemistry, hydraulics, economics, English, and social sciences as they can be applied to benefit mankind. Three lecture hours, three laboratory hours per week. PREREQUISITE or COREQUISITE: CIVL 3180.

CIVL 3161 - Transportation Systems Engr (3)

Development and function of transportation systems; operational control and characteristics; system coordination, traffic flow and patterns. Three lecture hours per week. PREREQUISITE: PHYS 2110, MATH 1920. PREREQUISITE or COREQUISITE: CIVL 3103.

CIVL 3180 - Civil Engr Hydraulics (3)

Basic principles of incompressible fluid mechanics with emphasis on hydrostatics, conservation of energy and momentum with application on engineering analysis of pipe networks, pumps, and open channel systems. Three lecture hours per week. PREREQUISITE: CIVL 2107, CIVL 2131, MECH 2332.

CIVL 3181 - Hydraulics and Hydrology (3)

Hydraulics of pipe systems and networks, frequency analysis of period of record discharge, design of drainage systems, open channels, and quantification of precipitation and runoff. Three lecture hours per week. PREREQUISITE: CIVL 3180.

CIVL 3182 - Hydraulics and Hydrology Lab (1)

Principles of fluid mechanics, open channel hydraulics, and collection of hydrologic data; fluid instrumentation, measurement techniques, data collection methods, and organization of written reports of experimental investigations. Two laboratory hours per week. PREREQUISITE: CIVL 3180.

CIVL 3322 - Mechanics of Materials (3)

(Same as MECH 3322). Analysis of components subjected to tension, compression, bending moment, torque; combined loading; Mohr's stress circle; deflection of beams; simple treatment of column buckling. Three lecture hours per week. PREREQUISITE: CIVL 2131.

CIVL 3325 - Mechanics of Materials Lab (1)

Materials testing and evaluation. Three laboratory hours per week. PREREQUISITE or COREQUISITE: CIVL 3322.

CIVL 4111 - Engineering Economics (3)

Application of economics and decision theory to engineering alternatives in planning, developing, constructing, and managing engineering projects. Three lecture hours per week.

CIVL 4122 - Structural Analysis II (3)

Analytical and numerical solutions for statically indeterminate structures. Three lecture hours per week. PREREQUISITE: CIVL 3121, 3322.

CIVL 4131 - Intermediate Steel Design (3)

Design of plate girders and composite beams; moment connections; current code provisions. Three lecture hours per week. PREREQUISITE: CIVL 3131.

CIVL 4135 - Reinforced Concrete Design (3)

Strength analysis and design of reinforced concrete members; floor systems; current code provisions. Three lecture hours per week. PREREQUISITE: CIVL 3121, 3322.

CIVL 4136 - Inter Reinforced Concrete Dsgn (3)

Design of two-way slab systems; column design including length effects; current code provisions. Three lecture hours per week. PREREQUISITE: CIVL 4135, PREREQUISITE or COREQUISITE: CIVL 4122.

CIVL 4140 - Environmental Engr Design (3)

Detailed design of one component of an environmental engineering system with appropriate consideration of the interactions with the other components; design standards, procedures, and legal constraints. Three lecture hours per week. PREREQUISITE: CIVL 3140.

CIVL 4143 - Physical/Chemical Treatment (3)

Basic physical-chemical treatment concepts including sedimentation, filtration, adsorption, neutralization, coagulation, air stripping, dissolved air flotation, disinfection, and ion exchange; application of basic concepts to design of water and

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Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and

Appreciation (MUHL)

Music Industry (MUID)

Music Theory and Composition (MUTC)

Sacred Music (MUSA)

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Dietetics (NUTR)

Health and Human Performance (EXSS)

Health and Sport Sciences (HMSE)

Health Promotion (HPRO)

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wastewater treatment system components. Three lecture hours per week.
PREREQUISITE: CIVL 3140.

CIVL 4144 - Biological Wastewater Treatment (3)

Basic biological treatment concepts including biological kinetics, activated sludge, fixed-film systems, lagoon systems, and sludge digestion; application of basic concepts to design of biological wastewater treatment system components. Three lecture hours per week. PREREQUISITE: CIVL 3140.

CIVL 4149 - Pump Station Design (3)

Detailed design of sumps, pumps, piping, valves, and controls associated with design of pumping systems for wastewater, process water, drinking water, storm water.
PREREQUISITE: CIVL 3180. COREQUISITE: CIVL 3182.

CIVL 4151 - Soil Mechanics (4)

Properties of soil and rock, including identification and classification, hydraulic properties, consolidation characteristics, and stress deformation-strength relationships. Three lecture hours, three laboratory hours per week. PREREQUISITE: CIVL 3137.

CIVL 4152 - Applied Soil Mechanics (3)

Subsurface exploration, foundation types, foundation construction, selection of foundation type and basis of design, earth retaining structures, and slope stability. Three lecture hours per week. PREREQUISITE: CIVL 4151.

CIVL 4155 - Pavement Design and Evaluation (3)

Structural design of concrete and asphalt pavements, design of surface and subsurface pavement drainage; performance evaluation of existing pavements; pavement rehabilitation and pavement management. Three lecture hours per week. PREREQUISITE: CIVL 3137 or permission of instructor. COREQUISITE: CIVL 4151 or permission of instructor.

CIVL 4162 - Traffic Engineering (3)

Traits and behavior patterns of road users and their vehicles. Includes traffic signs and signals, pavement markings, hazard delineation, capacity, accidents and parking analysis. PREREQUISITE: CIVL 3103, 3161.

CIVL 4163 - Airport Planning and Design (3)

Aeronautical demand and air traffic control; airport and runway configuration; capacity and delay analysis, geometric design of runways and taxiways; airport access and parking; ground movements and baggage movements. Three lecture hours per week. PREREQUISITE: CIVL 3103, 3161.

CIVL 4164 - Route Location and Design (3)

Elements of route location and design; emphasis on horizontal and vertical alignment, curvature, gradient and sight distance. Two lecture hours, three laboratory hours per week. PREREQUISITE: CIVL 1101, 3161.

CIVL 4171 - Construction Engineering (3)

Construction process and project management system; planning, cost estimating, bidding and scheduling construction projects; use of optimization techniques to control schedules and costs; computer applications. Three lecture hours per week.
PREREQUISITE or COREQUISITE: CIVL 4111.

CIVL 4180 - Adv Hydrology/Hydraulics (3)

Current methods and techniques used in hydrologic and hydraulic analysis for the design of water resources projects; watershed hydrology, groundwater hydrology, advanced pipe distribution systems, and urban hydrology. Three lecture hours per week.
PREREQUISITE: CIVL 3181.

CIVL 4190 - Water Resource Plan/Dsgn (3)

Application of engineering principles to planning and design of multipurpose water resources projects, various physical components and appurtenances of water resources projects and economic, financial, and social feasibility of various purposes. Three lecture hours per week. PREREQUISITE: CIVL 3181, 4111, or permission of instructor.

CIVL 4191 - Civil Engr Project (1-3)

Independent investigation of a Civil Engineering problem in consultation with instructor. May be taken for a maximum of 3 hours credit toward graduation. PREREQUISITE: permission of instructor.

CIVL 4195 - Professional Practice/Civil En (2)

Elements of professional practice in civil engineering, including basic concepts of management, business, public policy, and leadership. Ethics, professionalism, and professional licensure. Two lecture hours per week. PREREQUISITE: senior standing in civil engineering.

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CIVL 4197 - Review/Engineering Fundamental (1)

Review of general and civil engineering topics in preparation for taking the NCEES Fundamentals of Engineering Exam. Six laboratory hours a week for seven weeks. PREREQUISITE: students must be within two semesters of graduation. (S/U).

CIVL 4199 - Civil Engr Design (3)

Design of a civil engineering system. Establishment of design objectives and criteria; synthesis and computer assisted analysis of alternatives; selection of optimum system design; preparation of detailed system descriptions including design sketches and engineering drawings and reports. Must be taken in student's final semester. Two lecture hours, two laboratory hours per week. PREREQUISITE: CIVL 3131 or 4135, 3140, 3161, 3181, 4151.

CIVL 4901 - Pavement Design/Evaluation (3)

Structural design of concrete and asphalt highway pavements and low-volume roads; performance of evaluation of existing pavements; pavement rehabilitation and pavement management techniques. Three lecture hours per week. PREREQUISITE: CIVL 3137. COREQUISITE: CIVL 4151.

CIVL 4906 - Transportation Planning (3)

Overview of transportation planning process; relationship to transportation facilities development; techniques of analysis and evaluation for transportation planning; means of achieving project and societal objectives.

CIVL 4999 - Honors Thesis (3)

Under the direction of a faculty member, the student writes and defends a thesis based upon background reading and research on a topic in civil engineering. PREREQUISITE: approval by the Honors Committee of the Department of Civil Engineering.

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In addition to the courses below, the department may offer the following Special Topics courses:

EECE 4900-09. Special Topics in Electrical and Computer Engineering. (1-3). (ELEC). Topics are varied and in online class listings.

EECE 4910-19. Honors Special Topics. (3). (ELEC). Topics vary and in online class listings. PREREQUISITE: approval by the Honors Committee of the Department of Electrical and Computer Engineering.

EECE 1202 - Elec/Comp Engr Concepts (3)

(ELEC). Introduction to basic electrical and computer engineering concepts and models; DC circuits; engineering ethics; use of spreadsheets, introduction to computer programming and MATLAB; basic concepts of probability and statistics. PREREQUISITE: MATH 1710 or 1730, or equivalent.

EECE 1206 - Computer Engr Computations (4)

Structured solutions in computer engineering problems; computer implementation of solutions. Three lecture hours, three laboratory hours per week. PREREQUISITE: EECE 1202, or sophomore standing.

EECE 1207 - Electrical Engr Computations (3)

Structured solutions to electrical engineering problems through use of computers. PREREQUISITE: EECE 1202 or sophomore standing.

EECE 1208 - Intro Computer Engineer Lab (1)

Laboratory techniques in solutions to computer engineering problems; software/hardware development tools. COREQUISITE: EECE 1207.

EECE 2201 - Circuit Analysis I (4)

Fundamental properties of electrical circuits; basic concepts and circuit elements; network theorems; steady-state and transient analyses. Experimental verification of basic electric circuit theory. Three lecture hours, three laboratory hours per week. PREREQUISITE: MATH 2110. COREQUISITE: MATH 3120.

EECE 2203 - Circuit Analysis Lab (1)

Introduction to utilization of meters, oscilloscopes, oscillators, power supplies, and related test equipment in experimental verification of basic electric circuit theory. COREQUISITE: EECE 2201.

EECE 2222 - Digital Circuit Design (4)

Review of number systems and base conversions; analysis and design of digital circuits; logic and sequential design; introduction to microprocessors and modern CAD tools; VHDL. Three lecture hours, three laboratory hours per week. PREREQUISITE: EECE 1207 or COMP 1900.

EECE 2281 - Instrumentation Lab (1)

Introduction to basic meters, power supplies, test equipment; transient responses and AC power measurements; operational amplifier circuits, bridge circuits and transducers. Does not fulfill degree requirements for Electrical and Computer Engineering majors. Three laboratory hours per week. COREQUISITE: EECE 2283.

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Social Work (SWRK)
Sociology (SOCI)
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Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

EECE 2283 - Electrical Engr/Instrumentation (3)

Analysis of electrical circuits, sinusoidal steady state analysis, instrumentation circuits, op amps, transducers. Does not fulfill degree requirements for Electrical and Computer Engineering majors. PREREQUISITE: MATH 1920 and PHYS 2120.

EECE 3201 - Circuit Analysis II (4)

Laplace transform techniques for network analysis, sinusoidal steady-state response of single and three phase circuits, resonant circuits, linear transformers and magnetic coupling, and introduction to filter design. Three lecture hours, three laboratory hours per week. PREREQUISITE: EECE 2201, MATH 3120.

EECE 3203 - Signals and Systems I (3)

Introduction to continuous-time signals and systems in time and frequency domains; system analysis of linear, time-invariant systems using Laplace and Fourier transforms and Fourier series. PREREQUISITE: EECE 2201 and MATH 3120.

EECE 3204 - Signals and Systems II (3)

Introduction to discrete-time signals and systems in time and frequency domains; frequency representation of signals using discrete Fourier series, discrete Fourier transforms and Z transforms. PREREQUISITE: EECE 3201 and EECE 3203

EECE 3211 - Electronics I (4)

Solid state devices as elements of electronic circuits; linear models and linear operation of these devices emphasized. Laboratory techniques on performance of basic electronic experiments. Three lecture hours and three laboratory hours per week. PREREQUISITE: EECE 2201.

EECE 3212 - Electronics II (4)

Utilization of devices in linear, non-linear, and switching modes of operation; modeling and simulation of electronic circuits. Three lecture hours, three laboratory hours per week. PREREQUISITE: EECE 2222, 3201, 3211, 3213.

EECE 3213 - Electronics I Lab (1)

Emphasis on laboratory techniques in performance of basic electronic experiments. COREQUISITE: EECE 3211.

EECE 3221 - Matrix Computer Methods (3)

Fundamentals of matrix theory; application of matrix theory and digital computer techniques to the solution of circuit problems; state equations and their application to the solution of systems of differential equations. PREREQUISITE: EECE 2201.

EECE 3240 - Electromagnetic Field Theory (3)

Maxwell's equations electrostatics, magnetostatics and time varying electromagnetic fields and waves. PREREQUISITE: MATH 3120.

EECE 3270 - Intro to Microprocessor (4)

LSI circuitry, microprocessor architecture, hardware and software integration, application and system design. Three lecture hours, three laboratory hours per week. PREREQUISITE: EECE 2222.

EECE 4081 - Software Engineering (3)

(Same as COMP 4081). Scope of software engineering; software life cycle models; software process; team organization; requirements, analysis and design methodologies; metrics, inspections, testing strategies and maintenance; software risks; professional and ethical responsibilities. PREREQUISITE: COMP 3160.

EECE 4201 - Energy Conversion (4)

Energy conversion by electromechanical processes, energy relations in magnetic systems, mathematical modeling of magnetic systems, transformers and electrical machines. Testing of direct and alternating current equipment. Three lecture hours and three laboratory hours per week. PREREQUISITE: EECE 2283 or 3201.

EECE 4202 - Electrical Power Systems (3)

Investigation of problems associated with transmission of electrical energy; load-flow studies, and fault analysis by use of symmetrical components. PREREQUISITE: EECE 3221.

EECE 4203 - Energy Conversion Lab (1)

Fundamental properties associated with testing and utilization of direct current and of alternating current equipment such as motors, generators, alternators and transformers. COREQUISITE: EECE 4201.

EECE 4204 - Power Distribution System (3)

Distribution of power from transmission systems to users; primary and secondary feeders, voltage regulation; distribution transformers; overhead, underground and network distribution system design; lightning phenomena and protective device coordination. COREQUISITE: EECE 4201, 4203.

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EECE 4213 - Antenna Theory/Design (3)

Theory of operation and design of antennas; determination of antenna radiation characteristics; introduction to antenna array theory. PREREQUISITE: MATH 3120.

EECE 4214 - Electromagnetic Fields Lab (1)

Laboratory techniques associated with frequencies above 100 MHz. COREQUISITE: EECE 4215.

EECE 4215 - Applied Electromagnetic Fields (3)

Steady state and transient solutions of transmission line equations; plane waves; antennas in telecommunications. PREREQUISITE: MATH 3120.

EECE 4221 - Electronics III (4)

Applications of analog and digital electronic circuits; special purpose circuits and devices. Three lecture hours, three laboratory hours per week. PREREQUISITE: EECE 3211.

EECE 4222 - Digital Logic/Computer Design (3)

Applications of digital system design using MSI, LSI, and VLSI circuits; design of arithmetic logic units, multiple-input controllers, and practical interfacing techniques. PREREQUISITE: EECE 2222.

EECE 4230 - Data Communication System (3)

Data communications in information and computing systems; analog and digital means of transmitting and controlling information; organization and requirements of data communication systems including modulation and demodulation, multiplexing, switching, error detection and correction. PREREQUISITE: EECE 3204.

EECE 4231 - Communication Theory (3)

Frequency and time domain; modulation, random signal theory, autocorrelation; noise, communication systems. PREREQUISITE: EECE 3203 and MATH 4235.

EECE 4232 - Discrete Signal Process (3)

Introduction to discrete-time signal analysis; includes discrete system concepts, discrete-time Fourier analysis, sampling of continuous-time signals, z-transform, and transform analysis of discrete time systems; structures for discrete-time systems and discrete filter design techniques. PREREQUISITE: EECE 3204 and MATH 4635.

EECE 4235 - Probabilistic System Analysis (3)

Probability and statistics applied to electrical and computer engineering problems; probability and random variables; statistics and techniques for estimating them; techniques for characterization of signals using autocorrelation, cross-correlation and power spectra; determination of effects of discrete and analog filters on random signals, Bayesian detection and estimation; Markov random processes. PREREQUISITE: EECE 3204.

EECE 4241 - Solid State Physicl Electronics (3)

Quantum concepts; statistics; crystal structure; conduction processes in solids; p-n junctions and devices; field-effect devices; charge transfer devices. PREREQUISITE: EECE 3211.

EECE 4242 - Electro-Optics (3)

Classical optics including Gaussian optics, Newtonian optics, and vergence theory; optical design with aberration concepts, F-numbers, pupils, and stops; radiometry with respect to flux transfer calculations; light sources and detectors.

EECE 4243 - Linear Optical Systems (3)

Review of Fourier techniques for analysis and design of linear systems, extension to 2-dimensional techniques, 2-dimensional transform applied to linear optical systems and optical data processing. PREREQUISITE: EECE 3204.

EECE 4251 - Control System Engr (3)

General equations of physical linear systems and their transfer functions; transient analysis and stability of servo systems; Bode plot, Nichols chart, Nyquist plot, Routh criterion, root locus methods, introduction to compensation techniques and systems in state space. PREREQUISITE: EECE 3203, 3221.

EECE 4252 - Digital Control Systems (3)

Problems and analysis techniques applicable to digital control systems. Prior knowledge of Laplace transforms required; basic knowledge of feedback control theory desirable. PREREQUISITE: EECE 3204, 3221.

EECE 4253 - Control Systems Lab (1)

Investigations of fundamental properties associated with control systems engineering; laboratory procedures in analysis of control systems, compensating networks, analog and digital computer simulations. COREQUISITE: EECE 4251 or 4252.

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EECE 4254 - Digital Control System Lab (1)

Investigations of fundamental properties associated with digital control systems engineering; laboratory procedures in analysis of digital control systems, compensating networks, digital computer simulations and PLCs. COREQUISITE: EECE 4252.

EECE 4271 - Computer Interfacing (3)

Hardware and software aspects of connecting computers to peripherals; tradeoffs between hardware and software; connecting CPUs to ROM, RAM, parallel ports and serial ports; applications to serial and parallel ports; backplane buses, displays, keyboards, A/D and D/A converters; linking interface routines to application software. PREREQUISITE: EECE 2222, or permission of instructor.

EECE 4272 - Engineering Software (3)

Procedural and object-oriented programming techniques using C and C++. Introduction to UNIX. PREREQUISITE: EECE 3221, or equivalent.

EECE 4273 - Database Engineering (3)

Logical database design, data models for database engineering; entity-relationship, relational, object oriented, logic data models; design theory for relational databases, relational query languages, introduction to integration of database and knowledge-base systems for engineering applications; emerging trends in database machine design and implementation. PREREQUISITE: permission of instructor.

EECE 4275 - Network Programming (3)

Introduction to engineering of computer networks, network hardware, and network software; design of software systems for network applications. PREREQUISITE: EECE 1207 or COMP 1900, and EECE 3221.

EECE 4276 - Adv Network Programming (3)

Advanced methods for engineering software systems; implementations of distributed object models, remote database connectivity, and reusable software components. PREREQUISITE: EECE 4275, or permission of instructor.

EECE 4277 - DSP Microprocessors (4)

Architecture and instruction set of fixed-point and floating-point devices; hardware interfacing, host communication, real-time signal generation, filtering, and code development using assembly language and C. PREREQUISITE: EECE 2222 and EECE 3204.

EECE 4278 - Computer Organization (3)

Organization and structure of CPU, memory, operating system, I/O system organization and implementation issues; hardware and software integration and co-design. PREREQUISITE: EECE 2222, and either COMP 2150 or EECE 4272.

EECE 4279 - Professional Development (2)

Design, ethics, standards, participation in professional organizations; preparation for licensing; preparation for senior design project. PREREQUISITE: EECE 3201, 3211, 3213, ENGL 3603, and permission of instructor.

EECE 4280 - Electrical/Computer Engr Design (3)

Individual and/or team design projects that require application of electrical engineering or computer engineering concepts. Oral and written presentations required. PREREQUISITE: for BSEE degree: ENGL 3603, EECE 3204, 4279, and either EECE 3212, or 4221; for BSCP degree: ENGL 3603, EECE 3204, 3220, 4278, and 4279.

EECE 4710 - Computer Architecture (3)

Architecture and design of computers, performance measures, instruction sets, datapaths, I/O systems, and memory hierarchies. PREREQUISITE: EECE 4278.

EECE 4711 - Fault Tolerant Computer Des (3)

Evaluation of computer system design and reliability using reliability block diagrams, fault trees, reliability graphics, queuing networks, error detecting and correcting codes, and Markov models; principles of fault tolerant hardware and software design. PREREQUISITE: MATH 4635 and EECE 4278.

EECE 4712 - Embedded Systems (3)

Introduction to hardware and software design of computing systems embedded in electronic devices; programmable processor design; peripherals, memories, interfacing, and hardware/software tradeoffs. Laboratory involves use of synthesis tools, programmable logic, microcontrollers, and development of working embedded systems. PREREQUISITE: EECE 3270 and either EECE 4272 or COMP 2150.

EECE 4720 - Intro Artificial Intelligence (3)

(Same as COMP 4720). Fundamentals of programming in LISP; central ideas of artificial intelligence, including heuristic search, problem solving, slot-and-filler structures, and knowledge representation. PREREQUISITE: EECE 3221, permission of instructor.

EECE 4730 - Expert Systems (3)

(Same as COMP 4730). Fundamentals of programming in PROLOG, central ideas of expert system development, including knowledge representation, control structures, tools, knowledge acquisition, and knowledge engineering. PREREQUISITE: EECE 3221, or permission of instructor.

EECE 4731 - Data Visualization (3)

(Same as COMP 4731). Introduction to the terminology, methodology, and applications of data visualization. Methods for visualizing data from a variety of engineering and scientific fields including both static and time varying data and methods for generating both surface and volume visualizations. PREREQUISITE: EECE 3221 or COMP 2150, or permission of instructor.

EECE 4905 - Electrical Power Quality (3)

Power quality phenomenon, voltage sags and interruptions, transient overvoltages, long-duration voltage variations, fundamental of harmonics. distributed generation and power quality, power quality benchmarking and monitoring.

EECE 4991 - Electrical/Computer Projects I (1-3)

Independent investigation of problem selected in consultation with instructor; report required. PREREQUISITE: senior standing with a minimum GPA of 2.0 in ELEC courses completed at the University of Memphis.

EECE 4992 - Electrical/Computer Project II (1-3)

Design, implementation and testing of project investigated in EECE 4991; report required. PREREQUISITE: EECE 4991 with a minimum GPA of 2.0 in EECE courses completed at the University of Memphis.

EECE 4993 - Research Studies (3)

Consultation, reading, and design work to investigate selected areas of electrical engineering or computer engineering under supervision of faculty member; formal paper required; emphasis on applied work, design, and scientific writing. PREREQUISITE: ENGL 3603, EECE 3202, and either EECE 3212, 4221, or 3220, and permission of department chair.

EECE 4999 - Honors Thesis (3)

Under the direction of a faculty member, the student writes and defends a thesis based upon background reading and experimental research on a topic in electrical engineering. PREREQUISITE: approval by the Honors Committee of the Department of Electrical and Computer Engineering.

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EUGENE ECKSTEIN, Ph.D., P.E., interim Dean
Room 201A, Engineering Science Building
<http://www.engr.memphis.edu/>

ENGR 4001 - Engineering Work Experience (3)

Off-campus work experience working on selected projects in coordination with the department chair or chair's designee in student's major department under direction of practicing engineer. Oral and written presentations may be required. May be repeated as many times as student chooses. PREREQUISITE: chair's and CO-OP director's approvals. NOTE: Students participating in ENGR 4001 are considered to be full-time students for enrollment certification purposes.

Undergraduate and graduate level engineering courses require an additional \$25 per credit hour.

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Course Descriptions

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Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
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Fogelman College of Business and Economics

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College of Education, Health and Human Sciences

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Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

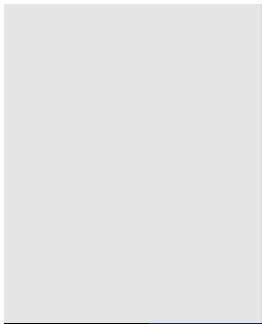
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Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

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Electrical and Computer Engineering (EECE)
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(MECH) MECHANICAL ENGINEERING
John I. Hochstein, Ph.D., Chair
Room 312A, Engineering Science Building

Jeffrey G. Marchetta, Ph.D.
Coordinator of Undergraduate Studies
jmarchtt@memphis.edu

A minimum grade of "C-" must be earned in all prerequisite courses before registering for a mechanical engineering (MECH) course.

Undergraduate and graduate level engineering courses require an additional \$25 per credit hour.

In addition to the courses below, the department may offer the following Special Topics courses:

MECH 4990-98. Special Topics in Mechanical Engineering. (1-3). Topics are varied and in online class listings.

MECH 1310 - Intro/Mechanical Engineering (2)

Introduction to the profession, the design process, professional ethics, engineering communications, societal impact of the profession; acquisition, organization, display, and analysis of data for engineering application. PREREQUISITE: MATH 1710 or algebra equivalent.

MECH 1312 - Mech Engr Computing I (2)

Introduction to PC-based tools for engineering. PREREQUISITE: MATH 1710 or algebra equivalent.

MECH 1314 - Mech Engr Computing II (2)

Introduction to computer programming including application to linear algebra, probability, and statistics. PREREQUISITE: MATH 1720 or trigonometry equivalent.

MECH 1395 - Honors Studies (1)

Participation in scholarly activities such as research and design programs within the college under the supervision of a faculty mentor. Successful completion requires the mentor's acceptance of a report documenting the student's accomplishments. Note: This course is intended for students in their first year of academic study and may be repeated for a maximum of 3 hours credit. PREREQUISITE: admission to the Honors Program.

MECH 2316 - Engineering Design Comm I (2)

Fundamentals of 3D modeling, drawing, general dimensioning and tolerances, blueprint reading, and generating drawings. PREREQUISITE: MATH 1720 or trigonometry equivalent.

MECH 2332 - Dynamics (3)

Kinematics and kinetics of particles and rigid bodies. PREREQUISITE: CIVL 2131. COREQUISITE: MATH 3120.

MECH 2395 - Honors Studies (1)

Participation in scholarly activities such as research and design programs within the college under the supervision of a faculty mentor. Successful completion requires the mentor's acceptance of a report documenting the student's accomplishments. Note: This course is intended for students in their second year of academic study and may be repeated for a maximum of 3 hours credit. PREREQUISITE: Admission to the Honors Program.

MECH 3301 - Engineering Analysis (3)

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Mechanical Engineering applications of first and second order ordinary differential equations, Laplace transforms, and Fourier series to problems in the areas of heat transfer, vibrations, and fluid mechanics. PREREQUISITE: MATH 2110.

MECH 3310 - Intro to Thermal Systems (3)

Introduction to First and Second Laws of Thermodynamics and to heat transfer with particular emphasis on engineering applications. Mechanical Engineering majors may not use MECH 3310 to fulfill B.S.M.E. degree requirements. PREREQUISITE: MATH 1920.

MECH 3311 - Engineering Thermodynamics I (3)

Laws of thermodynamics and their applications to engineering problems. PREREQUISITE: MATH 1920.

MECH 3312 - Engineering Thermodynamics II (3)

Applications of thermodynamics laws; emphasis of real gases, real gas mixtures, Maxwell Equations, combustion, gas cycles and vapor cycles and psychometrics. PREREQUISITE: MECH 3311, MATH 2110.

MECH 3316 - Engineering Design Comm II (2)

Design of mechanical components and simple functional mechanical systems using 3D computer aided design models including rapid prototype realization. PREREQUISITE: MECH 2316.

MECH 3320 - Engineering Materials (3)

Nature of six main classes of materials: metals, polymers and elastomers, ceramics and glasses, semiconductors, superconductors and composites; mechanical, thermal, electrical and electronic, magnetic and optical properties of materials; environmental effects on performance of materials: creep, corrosion, oxidation; methodology for selection of materials for named applications. PREREQUISITE: CHEM 1110.

MECH 3321 - Mechanics of Machines (3)

Velocity and acceleration analysis of linkages and mechanisms; force analysis of linkages and mechanisms and machinery such as IC engines; dynamic balance of rotors and reciprocating masses. PREREQUISITE: MECH 2332 and MATH 3120.

MECH 3322 - Mechanics of Materials (3)

(Same as CIVL 3322). Analysis of components subjected to tension, compression, bending moment, torque; combined loading; Mohr's stress circle; deflection of beams; simple treatment of column buckling. PREREQUISITE: CIVL 2131 or BIOM 2810.

MECH 3323 - Machine Design I (3)

Methodology and practice in designing machine components by integrating principles from mechanics of materials, and theories of static and fatigue failures. PREREQUISITE: MECH 3322, 3316.

MECH 3325 - Materials Laboratory (1)

Materials testing and evaluation. Three laboratory hours per week. PREREQUISITE: MECH 3322. COREQUISITE: MECH 3320.

MECH 3331 - Fluid Mechanics (3)

Statics and dynamics of fluids; including application to pipe flow and open channel flow. PREREQUISITE: MECH 2332 or BIOM 2810 and MATH 3120. COREQUISITE: MECH 3311.

MECH 3335 - Fluid Mechanics Lab (1)

Principles of fluid mechanics are demonstrated and verified; familiarization with instrumentation and techniques in organizing and reporting results of experimental investigations; design of experiments. Three laboratory hours per week. COREQUISITE: MECH 3331.

MECH 3341 - Numerical/Statistical Methods (3)

Engineering methods, classical analysis, computer techniques, probability, statistics and their interactions with mechanical engineering problems. PREREQUISITE: MECH 1314. COREQUISITE: MATH 3120.

MECH 3351 - Heat Transfer I (3)

Fundamentals of conduction, convection, and radiation heat transfer with emphasis on engineering applications. PREREQUISITE: MECH 3331.

MECH 3355 - Thermo/Heat Transfer Lab (1)

Instrumental and measurement techniques used in thermodynamics and heat transfer studies; experimental verification of basic principles with emphasis on organizing and reporting of results; design of experiments. Three laboratory hours per week. COREQUISITE: MECH 3351.

MECH 3395 - Honors Studies (1)

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Nursing (NURS)

Participation in scholarly activities such as research and design programs within the college under the supervision of a faculty mentor. Successful completion requires the mentor's acceptance of a report documenting the student's accomplishments. Note: This course is intended for students in their third year of academic study and may be repeated for a maximum of 3 hours credit. PREREQUISITE: admission to the Honors Program.

MECH 4300 - Prep/Professional Practice (2)

A capstone course to prepare students for the transition from academic studies to professional practice. Topics include: engineering ethics, lifelong learning, societal impact of engineering decisions, contemporary issues, and preparation for the Fundamentals of Engineering (FE) examination. Students are encouraged to take the FE during the semester in which they are enrolled in this course. Passing a Simulated FE is required to pass this course. COREQUISITE: senior status and MECH 4314 or MECH 4323.

MECH 4305 - Fluid Mechanics II (3)

Introduction to various topics in advanced fluid mechanics, including: flow over immersed bodies; compressible fluid flow; turbomachinery; measurements in fluid mechanics; and, inviscid flow. PREREQUISITE: MECH 3331.

MECH 4309 - Gas Dynamics (3)

Concepts in compressible flow, including topics such as isentropic flow, varying area flow, normal and oblique shockwaves, Fanno flow, and Rayleigh flow. PREREQUISITE: MECH 3312, 3331.

MECH 4312 - Power Generation (3)

Application of thermodynamics, fluid mechanics and heat transfer to design and operation of power plants; economic operation of power generation, optimization of resources, and alternate energy systems. PREREQUISITE: MECH 3312.

MECH 4313 - Heat Transfer II (3)

Principles of boiling, condensation, and radiation heat transfer; fundamentals of heat exchanger design. PREREQUISITE: MECH 3351.

MECH 4314 - Fluid-Thermal System Design (3)

Design of piping systems; pipe size selection using economics; fluid meter selection; pumps and piping systems; heat exchanger analysis, selection and design; economics of heat exchanger selection; analysis of fluid/thermal components and systems. Group project required. PREREQUISITE: MECH 3351.

MECH 4315 - Principles of HVAC Systems (3)

Psychrometric analysis, heating and cooling loads of buildings and analysis of air conditioning systems. PREREQUISITE: MECH 3351.

MECH 4319 - Engineering Econ/Project Mgmt (2)

Introduction to project planning, project management, and engineering economics including financial impact of decisions. PREREQUISITE: MECH 1312.

MECH 4320 - Mechanics of Materials II (3)

Stress-strain analyses of thin-walled cylinders and spheres, springs, laterally loaded struts, struts with initial curvature, rotating disks and cylinders; plastic yielding of beams and shafts; introduction to energy methods. PREREQUISITE: MECH 3320, 3322.

MECH 4322 - System Dynamics (3)

Introduction to vibrations of one-degree and two-degrees-of-freedom systems. Introduction to controls with emphasis on Laplace transform, block diagrams, first-and-second-order systems, basic controllers, and stability of systems. Design and modeling of mechanical control systems. PREREQUISITE: MECH 3321.

MECH 4323 - Machine Design II (3)

Mechanical concepts and analysis applied to machine design. Integrating statistical analysis and computerized design into design projects. Design projects accomplished through individual, team and class approaches. PREREQUISITE: MECH 3323, 3320.

MECH 4324 - Computer Methods in Design (3)

Application of computer aided drafting packages to design of mechanical components and systems. Introduction to fundamental concepts and principles of finite element methods and design optimization. Design project assignments using computerized engineering software for analysis and design solution. PREREQUISITE: MECH 3323, 3341.

MECH 4325 - Adv Mech Materials (3)

Beams on elastic foundations, experimental stress analysis, torsion of non-circular sections, curved beam theory, unsymmetrical bending. PREREQUISITE: MECH 3322.

MECH 4326 - Biomedical System Analys/Mech (3)

Introduction to concepts used in analyzing living systems. Simulation of body functions

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with mechanical and computer models. Familiarization with design of mechanical bioengineering devices such as heart valves, heart-lung machines, renal dialysis machines. PREREQUISITE: MECH 2332, 3322.

MECH 4330 - Intro Composite Materials (3)

Introduction to fiber reinforced composite materials. Includes mechanical behavior, strength, design methodology, and implementation of computer aided design. PREREQUISITE: MECH 3320, 3322, 3341.

MECH 4331 - Turbomachinery (3)

Basic principles of fluid mechanics and thermodynamics as applied to rotating machinery; ideal and actual operating characteristics of pumps, fans, turbines and compressors; design of real systems. PREREQUISITE: MECH 3331.

MECH 4333 - Aerospace Propulsion Syst (3)

Fundamentals of air breathing and rocket propulsion devices; principles of combustion thermodynamics, gas turbine operation, solid and liquid propellants, performance evaluation, and atmospheric and space mission propulsion requirements. PREREQUISITE: MECH 3331.

MECH 4335 - System Dynamics Lab (1)

Experiments in vibrations and feedback control systems with experimental verification of theory in system dynamics studies. Three laboratory hours per week. COREQUISITE: MECH 4322.

MECH 4337 - Internal Combustion Engines (3)

Principles of Otto and Diesel cycle engines; effects of various fuels and fuel delivery systems, air induction systems, ignition systems, and pollution control techniques on engine performance. PREREQUISITE: MECH 3312, 3331.

MECH 4339 - Appld Computational Fluid Dyna (3)

Introduction to fundamental mathematical models and computational methods for simulating the physics of fluid flow and heat transfer; identify limitation of simulation approach, recognize sources of error, evaluation of solution quality. PREREQUISITE: MECH 3341, 3351.

MECH 4340 - Manufacturing Processes (3)

Introduction to manufacturing processes: fundamentals of mechanical behavior of materials, manufacturing properties of materials; casting, bulk deformation, sheet metal forming, material removal processes; processing of polymers, ceramics and glasses, composite materials; powder metallurgy; fastening and joining processes; nontraditional manufacturing processes; economics of integrated design and manufacturing; recent developments in manufacturing. PREREQUISITE: MECH 3320, 3322.

MECH 4342 - Intro/Packaging Engineering (3)

Fundamental study of functions of packaging, packaging material, container type, processes, technology and equipment employed to protect goods during handling, shipping and storage.

MECH 4344 - Mechanical Controls (3)

Fundamental classical control concepts; modeling of linear mechanical control systems; transient, accuracy and performance analyses and design of control systems using root locus sketch, Nyquist diagrams and Bode plots. PREREQUISITE: MECH 3321.

MECH 4345 - Design of Mechanisms (3)

Graphical and analytical mechanism synthesis techniques for path generation, function generation, rigid body guidance and optimization of force transmission characteristics. PREREQUISITE: MECH 3321, 3323.

MECH 4346 - Adv Mechanical Controls (3)

Advanced design and modeling of mechanical control systems; review of digital and optimal control systems and simulation of control systems. PREREQUISITE: MECH 4344.

MECH 4350 - Principles of Biomechanics (4)

Biomechanics of tissues and structures of musculoskeletal system; biomechanics of all joints; applications of statics, mechanics, linear viscoelasticity. PREREQUISITE: MECH 3320, 3322.

MECH 4360 - Selection of Engr Materials (3)

Detailed study of main classes of materials and their properties and uses; design criteria for various failure modes and selected environment case studies, technical tutorials and design exercises. PREREQUISITE: MECH 3320, 3322.

MECH 4365 - Biomaterials (4)

(Same as BIOM 4730). Biocompatibility and biofunctionality; materials for bone and joint replacement; materials for the cardiovascular system; materials and artificial organs;

dental restorative materials; materials for drug delivery; materials for ophthalmology.
PREREQUISITE: MECH 3320, 3322.

MECH 4369 - Process Engineering (3)

Application of fundamental principles of fluid mechanics, heat transfer, and thermodynamics to the analysis and design, fabrication and construction of process equipment and facilities which include physical and/or chemical transformations.
PREREQUISITE: MECH 3351.

MECH 4371 - Mechanical Vibrations (3)

Kinematics of harmonic and non-harmonic vibrations; system of one and several degrees of freedom, free and forced vibrations; self-excited vibrations. PREREQUISITE: MECH 3321.

MECH 4383 - Nondestructive Test I (3)

Visual and optical methods; radiographic methods; ultrasonic testing; acoustic emission; magnetic methods; eddy current method; penetrant testing; standards, training and certification issues; case studies; projects. PREREQUISITE: MECH 3320, 3323, 3341.

MECH 4384 - Nondestructive Test II (3)

Nuclear radiographic methods; acoustic and dynamic techniques; magnetic resonance testing; volatile liquid testing; thin layer chromatography; thermoplastic stress analysis; research techniques; case studies; projects. PREREQUISITE: MECH 4383

MECH 4391 - Mechanical Engineering Proj (1-3)

Independent investigation of mechanical engineering problems in consultation with instructor. PREREQUISITE: senior standing.

MECH 4393 - Appld Finite Element Analysis (3)

(Same as BIOM 4393). Fundamental topics associated with use of finite element analysis in mechanical and biomedical engineering applications; introduction to finite element theory, model generation, CAD interfacing, post-processing of results and validation.
PREREQUISITE: BIOM 2810 or MECH 3322.

MECH 4395 - Honors Thesis Proposal (3)

Scholarly work in engineering requires advanced understanding in a particular field of study as well as the foundation in fundamental principles provided by the undergraduate curriculum. The student will work with an Honors Thesis advisor to identify a suitable thesis topic and to develop the advanced understanding required for scholarly study of that topic. A formal written and oral proposal must be accepted by the departmental honors committee for the successful completion of this course. PREREQUISITE: senior standing and approval by the departmental honors committee.

MECH 4396 - Honors Thesis (3)

Original scholarly work is performed under the direction of an Honors Thesis advisor and reported in a thesis. Successful completion of this course requires an oral defense of the thesis and acceptance of the thesis by the departmental honors committee.
PREREQUISITE: MECH 4395 and approval by the departmental honors committee.

MECH 4995 - Natural Gas Engineering (3)

Practical aspects of natural gas (NG) production, distribution, and consumption.

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Room 203, Engineering Technology Building
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In addition to the courses below, the department may offer the following Special Topics courses:

TECH 4990-98. Special Topics. (1-3). Topics are varied and in online class listings. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

TECH 1010 - Computer Applications in Tech (3)

Introduction to computer applications using PC's networked; file management; spreadsheets; presentation graphics; Internet application in technology.

TECH 1211 - Computer Programming (3)

(CETH). Computer usage in engineering technology; emphasis on use of computer programming in solving technical problems. Three lecture hours per week. PREREQUISITE: TECH 1010.

TECH 1411 - Introduction to Technology (1)

Emphasis on engineering technology programs relative to content and opportunities upon graduation; professionalism and ethics technical careers; communication in technical careers; activities related to various technological disciplines; approaches to basic research techniques and problem solving.

TECH 1521 - Graphics/Descriptive Geometry (3)

Orthographic projections, sections, pictorials; drafting with instruments, sketching, and introduction to computer aided drafting. Auxiliary views and revolutions, profiles, vector graphics and developments. Two lecture hours, three laboratory hours per week.

TECH 1711 - Manufacturing Process I (3)

(METH). Metal manufacturing processes, including traditional machining, computer numerical control, and thermal metal cutting/joining; measurement, layout, and inspection techniques as applied to integrated manufacturing systems; coverage of threads, fasteners, and geometric dimensioning and tolerancing. Two lecture hours, three laboratory hours per week.

TECH 1811 - Electronic Circuit Technology (3)

(EETH). Introduction to fundamental electronic theory and devices, circuit and network theorems. Laboratory emphasis on basic electrical measurements and proper use of instruments. Three lecture hours, two laboratory hours per week. PREREQUISITE: MATH 1730, TECH 1010.

TECH 2251 - Adv Programming Technology (3)

(CETH). Principles of computer programming applicable to engineering technology; algorithmic problem solving, coding in a structured, object oriented, high level language, subprograms and parameters, control structures, I/O, complex arithmetic, and double precision operations emphasized. Three lecture hours per week. PREREQUISITE: TECH 1211.

TECH 2261 - Data Structures (3)

(CETH). Application of high speed digital computer to problems associated with storage and retrieval of numeric and non-numeric data in engineering systems; representation and organization for storing of data, searching and sorting techniques, decision tables, and file maintenance techniques. Database applications. Three lecture hours per week. PREREQUISITE: TECH 1211.

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TECH 2812 - Basic Industrial Control Device (3)
(EETH). Theory and applications of devices commonly used in modern industrial control; including transistors, operational amplifiers, thyristors, and solid-state logic. Applications and characteristics of motors and control system I/O devices. Two lecture hours, three laboratory hours per week. PREREQUISITE: TECH 1811.

TECH 2813 - Industrial Control Systems (3)
(EETH). Theory and operation of logic control systems: including relay ladder logic, solid-state logic, and programmable logic controllers. Emphasis on practical industrial applications. Two lecture hours, three laboratory hours per week. PREREQUISITE: TECH 2812.

TECH 2821 - Solid State Technology (3)
(EETH 2821). Theory of solid-state devices with application in power supplies, amplifiers, and other basic electronic circuits. Solid-state diodes and bipolar junction transistors emphasized. Three lecture hours, two laboratory hours per week. PREREQUISITE: TECH 1811.

TECH 2822 - Circuit Analysis (4)
(EETH 2820). Circuit analysis methods in modern electronics engineering technology; laboratory confirmation of mathematical solutions to problems involving direct and alternating currents. Three lecture hours, three laboratory hours per week. PREREQUISITE: TECH 1811.

TECH 2831 - Advanced Solid State Tech (3)
(EETH). Theory of field effect transistors and operational amplifiers. Emphasis on practical applications, including amplifiers, filters, and oscillators. Two lecture hours, three laboratory hours per week. PREREQUISITE: TECH 2822, 2821, MATH 1910.

TECH 3044 - Analysis for Engineering Tech (4)
Application of mathematical, scientific, and engineering principles to solution of technology problems, using a variety of examples from various major areas in Technology; analyze and provide acceptable solutions to ascending order of well designed problems using language and techniques or related technological disciplines and selected areas of mathematics, such as algebra, trigonometry, calculus, applied industrial statistics, and differential equations. Three lecture hours, three laboratory hours per week. PREREQUISITE: MATH 1910, PHYS 2010, and TECH 2822.

TECH 3232 - Digital Technology (4)
(CETH). Numbering systems and codes, logic gates, Boolean algebra, Combinational logic, TTL circuits, and memory devices. Three lecture hours, three laboratory hours per week. PREREQUISITE: TECH 1811.

TECH 3233 - Microprocessor Technology (4)
(CETH). Computer history and architecture; microprocessor and microcomputer operation; fetching and executing instructions; microprocessor registers; memory addressing modes; assembly-language instructions; assembler operation. Three lecture hours, three laboratory hours per week. PREREQUISITE: TECH 1211 and 3232, TECH 2821.

TECH 3241 - Internet Technology (3)
(Was TECH 4241, CETH 3241, CETH 4241). Internet services and protocols; covering the top three layers of the OSI model; session presentation, and application layers. Three lecture hours per week. PREREQUISITE: TECH 2251.

TECH 3251 - Assembly Language Program (4)
(CETH). (TECH 4251). Microcomputer programming using assembly language instructions, DOS function calls, and BIOS functions. Microprocessor architecture. Using an assembler to create executable files from assembly language programs. Text and graphic displays using assembly language programs. Application programs for input-output devices. Three lecture hours, three laboratory hours per week. PREREQUISITE: TECH 3233.

TECH 3281 - Computer Aided Circuit Design (4)
(CETH). Utilization of commercially available software for electronic circuit documentation, analysis and design; schematic capture, printed circuit board design, and circuit simulation. Three lecture hours, three laboratory hours per week. PREREQUISITE: TECH 2831, TECH 3232.

TECH 3386 - Occupational Safety (3)
(METH). Hazards and safety procedures for general industry and construction.

TECH 3401 - Strength of Materials (3)
(METH). Force systems and their solution; that branch of mechanics dealing with forces and effects of forces including stress strain and deformation of bodies at rest; analysis of frames and mechanisms. PREREQUISITE: MATH 1910, PHYS 2010/2011. COREQUISITE: TECH 3044.

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
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Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

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Herff College of Engineering

Biomedical Engineering (BIOM)
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Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

TECH 3408 - Industrial Materials (3)

(METH). Material properties and the methods/standards used in testing these properties for metals, ceramics, polymers, and composites; emphasis on their mechanical properties; reinforced by testing in the laboratory, library and internet research, spreadsheet applications, written reports, and oral presentations. Two lecture hours, three laboratory hours per week. PREREQUISITE: TECH 3401, 3462. COREQUISITE: TECH 3421.

TECH 3421 - Manufacturing Process II (4)

(METH). Processes and techniques used to fabricate industrial materials into useful products; techniques covered include casting and molding, forming, separating, conditioning, assembling, finishing; CNC programming concepts and process design and control. Two lecture hours, three laboratory hours per week. PREREQUISITE: TECH 1711.

TECH 3440 - Project Plan/Cost Evaluation (3)

(METH). Concept of project management and engineering economy; impact of economics in evaluation of alternatives and decision making; spreadsheet development of economic concepts; interest rate compounding effects; present and future valuation; cash flow analysis; application of project management methods and techniques including planning, organizing, leading and controlling of projects. Team projects include case discussions, written reports and oral presentations, and use of project management software. PREREQUISITE: MATH 1910, COMM 2381, ENGL 3603.

TECH 3462 - Industrial Statistics (3)

(METH). Procedures for collecting, describing, presenting and statistically analyzing industrial data; basic probability theory; hypothesis testing and basic concepts of analysis of variance; introduction to Taguchi methods; spreadsheet software used for statistical analysis. PREREQUISITE: MATH 1710 or higher, and TECH 1010.

TECH 3573 - Dynamics/Design/Automation (3)

(METH). Analysis of rectilinear and curvilinear motion; kinematic analysis of mechanisms; design of mechanical systems; pulleys, gears, belts, motors. PREREQUISITE: TECH 3044 and 3401, PHYS 2010/2011.

TECH 3691 - Construction Estimating (3)

Fundamentals of commercial and light frame estimating; emphasis given to conducting a quantity survey, including unit and overhead costs.

TECH 3811 - Electronic Communication (3)

(EETH). Principles of analog communications; harmonics; noise, active filters, signal generation; A.M., single side band transmission and reception and F.M. Two lecture hours, three laboratory hours per week. PREREQUISITE: TECH 2831 and 3044.

TECH 3812 - Adv Electronic Comm Technology (3)

(EETH). Principles of digital electronic communications; data transmission and modulation/demodulation techniques such as ASK, FSK, Qpsk; quantization error; channel bandwidth; pulse code modulation; satellite communication system principles; optical communication principles. PREREQUISITE: TECH 3811, TECH 3232 and PHYS 2020.

TECH 3821 - Industrial Electronics (3)

(EETH). Electronic circuits and systems in industry; principles of signal conditioning, DC and AC motors and drives, sensors; process control and PLCs; theory and application of devices such as unijunction transistors, silicon controlled rectifiers, diacs, triacs. Two lecture hours, three laboratory hours per week. PREREQUISITE: TECH 2831 and 3044.

TECH 3822 - Programmable Logic Control (4)

(EETH). Theory and operation of programmable logic controllers; emphasis on practical industrial applications and programming techniques. Three lecture hours, three laboratory hours per week. PREREQUISITE: TECH 3232 or 3821.

TECH 3841 - Electrical Power/Motor Control (3)

(EETH). Generation and utilization of AC and DC electrical power; applications and operating characteristics of motors, generators and transformers with emphasis on three-phase power systems. Two lecture hours, three laboratory hours per week. PREREQUISITE: TECH 3821.

TECH 3940 - Analysis/Public Fire Protect (3)

Systems analysis and its use and limitations in fire protection and other problem areas; illustrated with case studies and models using the systems approach to fire suppression and prevention. PREREQUISITE: admission restricted to students seeking B.P.S. degree in Fire Administration or Fire Prevention Technology.

TECH 3942 - Fire Related Human Factors (3)

Dynamics of human behavior in fire incidents related to building design, codes and ordinances, and other fire prevention practices. PREREQUISITE: admission restricted to

University College

Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
University College (UNIV)

Independent Programs

Orientation Program (ACAD)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)
Interdisciplinary Studies (INTD)

students seeking B.P.S. degree in Fire Administration or Fire Prevention Technology.

TECH 3944 - Fire Protect Struc/Sys Design (3)

Design principles involved in protection of structure from fire involvement empirical tests and prediction procedures; control detection, and suppression system design practices; fundamentals of hydraulic design of sprinkler and water spray systems with recent innovations. PREREQUISITE: admission restricted to students seeking B.P.S. degree in Fire Administration or Fire Prevention Technology.

TECH 3945 - Fire Investigation/Analysis (3)

Procedures and techniques for collection, comparison, and analysis of physical evidence related to fire origin; principles of evidence of ignition phenomenon and propagation variables; legislative, economic, psychological, and sociological variables of incendiary fire, role of insurance and government programs. PREREQUISITE: students of B.P.S. degree in Fire Administration or Fire Prevention Technology program.

TECH 3946 - Fire Dynamics (3)

Fire propagation phenomenon in both fuel and air regulated phases; variables in pre- and post-flash over fire development; geometric, material, gaseous, fluid flow, and thermodynamic parameters; compartment and building fire models. PREREQUISITE: student of B.P.S. degree in Fire Administration or Fire Prevention Technology program.

TECH 3947 - Application of Fire Research (3)

Fire research and its application; transfer and implications of available research results for fire prevention and protection programs; national and international studies and research developments. PREREQUISITE: student of B.P.S. degree in Fire Administration or Fire Prevention Technology program.

TECH 3948 - Managerial Issues/Hazard Mtrl (3)

Examination of federal regulatory issues, hazard identification and vulnerability analysis, multi-agency contingency planning, response personnel, multi-agency response resources and systems; discussion of agency policies, public education and emergency information systems, health and safety issues, command post dynamics, strategic and tactical considerations, recovery and termination procedures. PREREQUISITE: enrollment in B.P.S. degree in Fire Administration or Fire Prevention Technology program.

TECH 4234 - Microproc Interface Technology (4)

Analysis and design of microprocessor based systems utilizing serial and parallel input/output as well as analog to digital and digital to analog converters. Programs are developed to verify operation of the interfacing hardware. Team projects and written reports. Three lectures, three laboratory hours per week. PREREQUISITE: TECH 2831, 3233 and 3440.

TECH 4242 - Client Application Technology (3)

(CETH). Hypertext Markup Language (HTML), XML, and script languages. Three lecture hours per week. PREREQUISITE: TECH 3241, or permission of instructor.

TECH 4262 - Modern Programming (3)

(CETH). Application of modern programming languages to problems from selected area of engineering technology; data collection, modeling techniques, constraints, program development and validation. Three lecture hours per week. PREREQUISITE: TECH 2251 or equivalent.

TECH 4263 - Server Application Technology (4)

(CETH). Java exception handling, multithreading, files and streams; JDBC, Servlets, JSP, and JavaBeans server side software. Team projects include written reports. Three lecture hours, three laboratory hours per week. PREREQUISITE: TECH 3440, 4262, or permission of instructor.

TECH 4272 - Operating Systems (4)

Operating system structure, memory management (physical, virtual memory), process management (processes, threads, scheduling, synchronization, deadlocks), device management (driver, buffers, queues), file management (implementation, abstraction), installation and configuration of services within UNIX/LINUX operating system, and performance. Three lecture hours, three laboratory hours per week. PREREQUISITE: TECH 3232 or equivalent.

TECH 4281 - Computer Network Technology (4)

(CETH). Local area networks; covering the bottom four layers of the OSI mode; physical, datalink, network and transportation and application. Extensive laboratory coverage of the installation, configuration and administration of routers, switches and other networking devices. Three lecture hours, three laboratory hours per week. PREREQUISITE: TECH 2822, 3232 and 3241 or equivalent.

TECH 4381 - Principles of Supervision (3)

(METH). Practical approach to supervisory management including functions of planning,

organization, staffing, employee motivation; coverage of contemporary issues including legal aspect of supervision as well as other regulatory concerns, such as occupational safety, health and labor relations.

TECH 4401 - Science/Technology/Society (2)

Relationship between science, technology and society is investigated through research, reading, discussions, and reports; conditions will be studied that have promoted development through science and technology; evaluation of social, global, political, environmental, cultural and economic effects of those technologies; ethics, impact, and control issues within society. Written essays and team debates. Two lecture hours per week. PREREQUISITE: TECH 4381

TECH 4460 - Work Design/Improvement (3)

(METH). Analytical techniques and concepts for work methods improvement, lean operation for production and distribution; performance measurement and evaluation; continuous improvement; fundamentals of human factors and ergonomics; work measurement using time study, predetermined time study systems, work sampling and development of standard data.

TECH 4462 - Statistical Quality Control (3)

(METH). Statistical methods for quality analysis and improvement; control charts for variables and attributes, industrial sampling; defect prevention using the Poka-Yoke System; reliability; acceptance sampling; Quality standards, continuous improvement; use of computer software for data analysis and presentation. PREREQUISITE: TECH 3044.

TECH 4464 - Production Control Systems (3)

(METH). Functions of planning and controlling production and distribution operations; concepts of JIT, MRP, MRP II, ERP, and Japanese manufacturing techniques; analytical techniques and concepts for line balancing, production and process control, demand management and project management. COREQUISITE: TECH 4460, or permission of instructor.

TECH 4466 - Facility Design (3)

(METH). Integrated approach to design and layout for production and distribution facilities with respect to workstation design, material handling, project and resource planning, production control; use of Computer Aided Design, scheduling and analytical software. Team projects, written reports and oral presentations. PREREQUISITE: TECH 3440, 4460 and 4464, or permission of instructor.

TECH 4472 - Computer Aided Design (3)

(METH). Overview of CAD technology, hardware and software options; parametric solid modeling principles; applications to produce computer generated models, assemblies, photo-realistic renderings and working drawings. Two lecture hours, three laboratory hours per week. PREREQUISITE: TECH 1521, 1711, 3401.

TECH 4474 - Automation and Robotics (3)

(METH). Concepts of automation applied to production, distribution, and industrial robotics. Team project including written report. Two lecture hours, three laboratory hours per week. PREREQUISITE: TECH 1811, 3440 and PHYS 2010.

TECH 4476 - Computer Aided Manufacturing (3)

(METH). Computer numerical control programming by manual data input and distributed numerical control by computer assistance; system assessment of CNC machines; components, controls, and tooling for integrated manufacturing environment. Two lecture hours, three laboratory hours per week. PREREQUISITE: MATH 1730, TECH 1711, 3421, and 4472 .

TECH 4510 - Construction Planning/Schedule (3)

Principles of planning, scheduling, organizing, and controlling construction projects; studies in critical path method (CPM) and PERT, with resource leveling and financial scheduling; computer applications in CPM and PERT emphasized.

TECH 4571 - Tool Design (3)

(METH). Design of tooling and work holding systems for the integrated manufacturing environment; geometric dimensioning and tolerancing, fast change-over techniques, hydraulic and pneumatic circuits, achieving world class quality through design. Two lecture hours, three laboratory hours per week. PREREQUISITE: TECH 3401, 3421, 4472.

TECH 4821 - Microwave Technology (4)

(EETH). Transition line principles for coax, waveguide and fiber; use of Smith Charts for impedance matching; principles of microwave generation and propagation; measurements such as impedance, antenna gain and VSWR; antenna types, characteristics; radiation patterns. Three lecture hours, three laboratory hours per week. PREREQUISITE: TECH 3811, PHYS 2020.

TECH 4823 - Adv Programmable Logic Control (3)

(EETH). Advanced applications of programmable logic controllers, including analog I/O techniques and computer interfacing. Team project including written report. Two lecture hours, three laboratory hours per week. PREREQUISITE: TECH 3440, 3822, or permission of instructor.

TECH 4943 - Senior Project Plan Seminar (1)

Methodology related to solving problems in engineering technology culminating in an integrative experience through individual and/or team projects and technical proposal with technical presentation. One lecture hour per week. PREREQUISITE: ENGL 3603, TECH 3440, students must be within two semesters of graduation, and permission of instructor.

TECH 4944 - Senior Thesis (3)

(CETH, EETH, METH). Study and research in specific area culminating in an integrating experience through individual and/or group projects and technical reports. PREREQUISITE: TECH 3440 and either ENGL 3601 or 3603, and senior with two semesters of graduation. Permission of department required.

TECH 4945 - Senior Project (2)

Individual and/or team effort in study and implementation of integrative technical project culminating in technical report and technical presentation. Permits issued to students who have taken the senior exit exam and applied for graduation within the previous 12 months. Two lecture hours per week. PREREQUISITE: TECH 4943, student must be within two semesters of graduation, and permission of instructor.

TECH 4995 - Automatic Identification Apps (2)

Methods and systems used to automatically identify objects; keyless data entry; bar coding, radio frequency identification; voice data entry.

TECH 4999 - Engineering Tech Projects (1-3)

Independent investigation of engineering technology problems in consultation with instructor. May be repeated for a maximum of 6 hours credit. PREREQUISITE: senior standing.

Campus Directory

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Lin Zhan, Ph.D., Dean
Billy Mac Jones Building
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* NOTE: In the repetition of NURS courses for the purpose of achieving a satisfactory grade, the theory and corequisite practicum courses are treated as one course. Both must be taken to improve the grade in either or both of the two courses. A maximum of one nursing course may be repeated. A student who drops or withdraws from a nursing course may re-enter that course only once.

Additional fees are charged for some Nursing courses. See the online class listings or Fee in The Loewenberg School of Nursing section of the Catalog.

In addition to the courses below, the department may offer the following Special Topics courses:

NURS 4300-09. Special Topics in Nursing. (3). Topics are varied and in online class listings.

NURS 3000 - Pharmacology in Nursing (3)

Application of nursing process as it relates to pharmacokinetics, pharmacodynamics and administration of medications in clinical settings. Three lecture hours per week. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106. COREQUISITE: NURS 3205, 3206, 3127, 3129, 4127, 4129.

NURS 3001 - Individualized Study (1-3)

Directed individualized approach to increase nursing knowledge, understanding, and skills according to student's needs and level objectives. Assessment of student determines content areas and clinical experience needed. May be repeated for a maximum of 6 hours credit. Credit not applied toward B.S.N. degree.

NURS 3005 - Intro Professional Nursing (2)

Essential concepts of the professional nursing role; exploration of nursing's historical, theoretical, philosophical, ethical, and legal dimensions. Two lecture hours per week. COREQUISITE: NURS 3006, 3400, 3101, 3103, 3105, 3106.

NURS 3006 - Professional Nursing Seminar (1)

Students will discuss, debate, and conceptualize the role of the professional nurse; develop essential skills and strategies necessary for academic, interpersonal and professional success. One lecture hour per week. COREQUISITE: NURS 3005, 3400, 3101, 3103, 3105, 3106.

NURS 3017 - Intro/Med/Surgical Nursing (3)

(2217). Concepts essential to practice of professional nursing; nursing process and management of care for adults experiencing acute and chronic medical/surgical problems. Three lecture hours per week. PREREQUISITE: admission to the Loewenberg School of Nursing. COREQUISITE: NURS* 3018, *3019, 3000, 3101, 3400.

NURS 3018 - Clinical Skills I (1)

(2218). Laboratory experiences focus on development of competency in performing basic clinical nursing procedures. Three laboratory hours per week. PREREQUISITE: admission to the Loewenberg School of Nursing. COREQUISITE: NURS *3017, *3019, 3000, 3101, 3400.

NURS 3019 - Med/Surg Nurs Practicum (2)

Nursing process in management of adults experiencing acute and chronic medical/surgical problems. Six clinical hours per week. PREREQUISITE: admission to the Loewenberg School of Nursing. COREQUISITE: NURS *3017, *3018, 3000, 3101, 3400.

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
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Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

(S/U).

NURS 3101 - Health Assessment (2)

Knowledge and skills required to perform a systematic health and physical assessment of patients. Two lecture hours per week. PREREQUISITE: admission to LSON. COREQUISITE: NURS 3005, 3006, 3103, 3105, 3106, 3400.

NURS 3103 - Health Assessment Lab (1)

Laboratory course focuses on developing skills needed to perform a systematic and individualized health assessment of an adult patient. Three laboratory hours per week. PREREQUISITE: admission to LSON. COREQUISITE: NURS 3005, 3006, 3101, 3105, 3106, 3400.

NURS 3105 - Foundations PT-Centered Care (3)

Foundational knowledge and principles of patient-centered nursing care. Three lecture hours per week. PREREQUISITE: admission to LSON. COREQUISITE: NURS 3005, 3006, 3101, 3103, 3106, 3400.

NURS 3106 - Foundational Nursing Skills (2)

Nursing skills necessary to provide patient-centered care in clinical practice. Six laboratory hours per week. PREREQUISITE: admission to LSON. COREQUISITE: NURS 3005, 3006, 3101, 3103, 3105, 3400.

NURS 3108 - Essential Concepts/Prof Nurs (2)

Introduction of concepts essential to practice of professional nursing; special attention to developing student proficiency necessary to meet scholarly expectations of the university and nursing profession. PREREQUISITE: admission to Loewenburg School of Nursing RN to BSN program. Unencumbered current RN license.

NURS 3117 - Medical/Surgical Nursing I (4)

Nursing process in the management of adults experiencing acute and chronic medical/surgical problems. Four lecture hours per week. PREREQUISITE: NURS 3017, 3018, 3019, 3000, 3101, 3400. COREQUISITE: *NURS 3118, 3119.

NURS 3118 - Clinical Skills II (1)

Laboratory experiences focus on development of competency in performing complex clinical nursing procedures. Three laboratory hours per week. PREREQUISITE: NURS 3017, 3018, 3019, 3000, 3101, 3400. COREQUISITE: NURS *3117, 3119.

NURS 3119 - Med/Surgical Nursing I Prac (3)

Nursing process in the provision of direct care for multiple patients and support of their families in acute care settings. Nine clinical hours per week. PREREQUISITE: NURS 3017, 3018, 3019, 3000, 3101, 3400. COREQUISITE: *NURS 3117, 3118. (S/U).

NURS 3127 - Mental Health Nursing (3)

Principles and concepts related to mental health nursing emphasizing the roles and functions of the nurse in meeting the needs of patients with psychosocial alterations. Three lecture hours per week. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106. COREQUISITE: NURS 3129, 3000, 3205, 3206, 4127, 4129.

NURS 3129 - Mental Health Nurs Practicum (1-2)

Nursing care of patient with alterations in mental health, emphasizing application of nursing concepts, knowledge, and skills. Six clinical hours per week for seven weeks. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106. COREQUISITE: NURS 3127, 3000, 3205, 3206, 4127, 4129.

NURS 3201 - Health Assessment/RNs (3)

Concepts related to assessment of individual clients; emphasis on review of body systems, physical examination techniques and communication skills necessary to perform nursing assessment to clients across the lifespan. May be repeated once. PREREQUISITE: NURS 3108 and unencumbered current RN license.

NURS 3205 - Nurs Adult I/Common Hlth Alt (3)

Concepts and principles necessary to provide patient-centered nursing care to adults with common health alterations. Three lecture hours per week. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106. COREQUISITE: NURS 3206, 3000, 4127, 3127, 3129, 4129.

NURS 3206 - Nursing Adult I/Practicum (3)

Nursing care of adults with common health alterations, emphasizing the application of nursing concepts, knowledge, and skills. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106. COREQUISITE: NURS 3205, 3000, 4127, 3127, 3129, 4129.

NURS 3217 - Nursing/Childbearing Family (2)

Concepts and principles necessary to provide nursing care to childbearing women, neonates, and their families. Two lecture hours per week. PREREQUISITE: NURS 3005,

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College of Education, Health and Human Sciences**Counseling, Educational Psychology and Research**

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Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

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Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

3006, 3400, 3101, 3103, 3105, 3106, 3000, 3205, 3206, 3127, 3129, 4127, 4129.
COREQUISITE: NURS 3219, 3305, 3306, 4110.

NURS 3219 - Nurs Childbearing Family Pract (2-3)

Nursing care of childbearing women, neonates and the family emphasizing application of nursing concepts, knowledge and skills. Six clinical hours per week. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106, 3000, 3205, 3206, 3127, 3129, 4127, 4129.
COREQUISITE: NURS 3217, 3305, 3306, 4110.

NURS 3227 - Pediatric Nursing (2)

Concepts and principles necessary to provide nursing care to newborns, infants, children, adolescents, and their families. Two lecture hours per week. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106, 3000, 3205, 3206, 3127, 3129, 4127, 4129, 3305, 3306, 3217, 3219, 4110. COREQUISITE: NURS 3229, 3230, 3231.

NURS 3229 - Pediatric Nursing Practicum (2)

Nursing care of children and families in various settings, emphasizing application of nursing concepts, knowledge, and skills. Six clinical hours per week. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3016, 3000, 3205, 3206, 3127, 3129, 4127, 4129, 3305, 3306, 3217, 3219, 4110. COREQUISITE: NURS 3227, 3230, 3231.

NURS 3230 - Gerontological Nursing (2-3)

Principles and concepts related to gerontological nursing, emphasizing the roles and functions of the nurse in meeting the health care needs of the older adult. Three lecture hours per week. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106, 3000, 3205, 3206, 3127, 3129, 4127, 4129, 3305, 3306, 3217, 3219, 4110. COREQUISITE: NURS 3231, 3227, 3229.

NURS 3231 - Gerontological Nurs Practicum (3)

Patient-centered nursing care of the older adult in various care settings, emphasizing application of nursing concepts, knowledge, and skills. Nine clinical hours per week. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106, 3000, 3205, 3206, 3127, 3129, 4127, 4129, 3305, 3306, 3217, 3219, 4110. COREQUISITE: NURS 3230, 3227, 3229.

NURS 3305 - Nurs Adult II/Complex Hit Alt (3)

Concepts and principles necessary to provide patient-centered nursing care to adults with complex multisystem health alterations. Three lecture hours per week. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106, 3000, 3205, 3206, 3127, 3129, 4127, 4129. COREQUISITE: NURS 3306, 3217, 3219, 4110.

NURS 3306 - Nurs Adult II/Complex Pract (3)

Clinical nursing care of the adult with complex health alterations emphasizing the application of nursing concepts, knowledge, and skills. Nine clinical hours per week. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106, 3000, 3205, 3206, 3127, 3129, 4127, 4129. COREQUISITE: NURS 3305, 3217, 3219, 4110.

NURS 3317 - Perioperative Nursing (1)

Theoretical foundation for perioperative practice during the intraoperative phase. PREREQUISITE: NURS 3117, 3118, 3119. COREQUISITE: *NURS 3319.

NURS 3319 - Perioperative Nurs Practicum (2)

Application of perioperative nursing process with clinical practice in both the scrub/circulating nursing roles. Six clinical laboratory hours per week. PREREQUISITE: NURS 3117, 3118, 3119. COREQUISITE: *NURS 3317.

NURS 3327 - Oncology Nursing (3)

Theory and principles of oncology nursing practice for both pediatric and adult cancer patient. PREREQUISITE: NURS 3117, 3118, 3119, 3127, 3129.

NURS 3400 - Clinical Pathophysiology (3)

Overview of the pathophysiological processes of selected diseases; etiology, pathogenesis, and clinical manifestations of diseases are emphasized. Three lecture hours per week. PREREQUISITE: BIOL 1230/1231, 2010/2011, 2020/2021, admission to LSON. COREQUISITE: NURS 3005, 3006, 3101, 3103, 3105, 3106.

NURS 3410 - Patho/Pharm Concepts/RNs I (3)

Application of pathophysiological and pharmacological concepts as they relate to nursing practice; case study approach emphasizing selected systems. PREREQUISITE: admission to the Loewenberg School of Nursing and unencumbered current RN license. COREQUISITE: NURS 3108.

NURS 3420 - Patho/Pharm Concepts/RNs II (3)

Unencumbered current RN license.

NURS 4110 - Evidence Based Practice Nurs (3)

Basic elements of the research process and models of evidence-based nursing practice,

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emphasizing appraisal and translation of evidence into practice. Three lecture hours per week. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106, 3000, 3205, 3206, 3127, 3129, 4127, 4129. COREQUISITE: NURS 3217, 3219, 3305, 3306, EDPR 4541 or PSYC 3110 or SOCI 3311.

NURS 4117 - Medical/Surgical Nursing II (3)

Nursing process in the care of critically ill adults experiencing multi-system disorders; introduces student to the synergy model of care. Three lecture hours per week. PREREQUISITE: NURS 3117, 3118, 3119, 3127, 3129, 3217, 3219, 3227, 3229. COREQUISITE: *NURS 4119.

NURS 4119 - Med/Surg Nurs II Practicum (3)

Nursing process in the provision of direct care for adult patients and support of families in critical care settings. Nine laboratory hours per week. PREREQUISITE: NURS 3117, 3118, 3119, 3127, 3129, 3217, 3219, 3227, 3229. COREQUISITE: *NURS 4117. (S/U).

NURS 4120 - Contemporary Issues/Trends (3)

Integration and synthesis of knowledge from previous nursing and general education courses to explore societal and political issues that affect the delivery of health care. Three lecture hours per week. PREREQUISITE: NURS 3117, 3118, 3119, 3127, 3129, 3217, 3219, 3227, 3229. For RN students: admission to the Loewenberg School of Nursing.

NURS 4127 - Community Health Nursing (3)

Overview of community health concepts and theories with emphasis on health promotion, disease prevention, and risk reduction within diverse population. Three lecture hours per week. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106. COREQUISITE: NURS 4129, 3000, 3205, 3206, 3127, 3129.

NURS 4129 - Community Hlth Nurs Practicum (1-2)

Clinical course focuses on application of community health nursing concepts emphasizing health promotion and disease prevention in diverse populations. Six clinical hours for seven weeks. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106. COREQUISITE: NURS 4127, 3000, 3205, 3206, 3127, 3129.

NURS 4137 - Emergency/Trauma Nursing (3)

Application of nursing process with adult clients, significant others, and group experiencing emergency/trauma situations; resuscitation, health maintenance, restoration, and rehabilitation of clients experiencing problems of adaptation requiring acute emergency/trauma levels of care in Emergency Department setting.

NURS 4139 - Emergency/Trauma Practicum (2)

Provides students with opportunity to directly care for adult clients and their significant other(s) in emergency settings.

NURS 4205 - Transition Professional Nurs (4)

Role transition from the student to professional nurse emphasizing patient-centered care, leadership, evidence-based practice, quality improvement, safety, effective communication, and current issues in nursing practice. Four lecture hours per week. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106, 3000, 3205, 3206, 3127, 3129, 4127, 4129, 3305, 3306, 3217, 3219, 4110, 3227, 3229, 3230, 3231. COREQUISITE: NURS 4206.

NURS 4206 - Transition Prof Nurs Practicum (8)

Capstone clinical course immerses students in role transition to professional nursing practice. Experiential learning enables the progression from student to registered nurse. Twenty-four laboratory hours per week are required. PREREQUISITE: NURS 3005, 3006, 3400, 3101, 3103, 3105, 3106, 3000, 3205, 3206, 3127, 3129, 4127, 4129, 3305, 3306, 3217, 3219, 4110, 3227, 3229, 3230, 3231. COREQUISITE: NURS 4205.

NURS 4227 - Leadership & Management (3)

Theories of leadership, management, and change basic to functioning within economic, social and political realities of health care settings/systems; organizational assessment, decision making, collaboration, coordination, and evaluation emphasized. PREREQUISITE: NURS 4117, 4119. COREQUISITE: *NURS 4229.

NURS 4229 - Leadership/Mgmt Prac (4)

Precepted experience using nursing leadership management theories and principles to coordinate nursing care of groups of patients. Twelve laboratory hours per week in hospital setting. PREREQUISITE: NURS 4117, 4119. COREQUISITE: *NURS 4227. (S/U).

NURS 4230 - Nursing Content Mastery (3)

Synthesis of information obtained throughout the 5 semester nursing program designed to aid in preparing for and successfully completing the NCLEX Exam to become a licensed Registered Nurse. This course will provide the student with opportunities to improve test taking skills by with online mock tests. Both lecture and online instruction will be utilized. PREREQUISITE: completion of all Provider of Care courses.

NURS 4317 - Population Focused Nursing/RNs (3)

Overview of community based health care delivery system at local, state, and national levels; theories and principles of nursing care of communities and aggregates in public health and home health care settings; expands role of RN student to coordinator of care. May be repeated once. PREREQUISITE: NURS 3108, 3201, 3410, 3420, and unencumbered current RN license.

NURS 4319 - Pop Focused Practicum/RNs (2)

Use of nursing and public health theories and principles to provide nursing care to populations within community setting. Practicum experiences are preceptor based with faculty oversight. PREREQUISITE: NURS 3108, 3201, 3410, 3420, and unencumbered current RN license. COREQUISITE: NURS 4317.

NURS 4326 - Global Perspectives on Nursing (3)

This study abroad program is designed for undergraduate and graduate students interested in increasing their understanding of international health care issues as they relate to nursing.

NURS 4327 - Leadership/Mgmt for RNs (3)

Theories of leadership, management, and change basic to functioning within existing systems. Applications of conceptual models of nursing to contemporary practice. PREREQUISITE: Restricted to senior RN students, and unencumbered current RN license. COREQUISITE: NURS 4329.

NURS 4329 - Leadership/Mgmt RNs Prac (2)

Precepted experience in selected roles using appropriate theories and models to guide practice. Nine laboratory hours per week in clinical setting. PREREQUISITE: Restricted to RN students, and unencumbered current RN license. COREQUISITE: NURS 4327. (S/U).

NURS 4331 - Nursing/Diverse Culture (3)

Cultural concepts and relationship to health and illness of individuals and families; focus on how culture influences nursing roles and clinical decision making in diverse cultures. Tours and lectures provided to highlight salient features of nursing, health care and other points of interest. Travel to selected region required. PREREQUISITE: admission to Loewenberg School of Nursing.

NURS 4332 - Cultural Diversity/Nursing (3)

Theory and principles of nursing practice related to cultural diversity and development of cultural competence in providing quality care to diverse patient populations. PREREQUISITE: NURS 3117, 3118, 3119, 3127, 3128, 3129.

NURS 4335 - Ethical Dialogue (3)

Overview of ethical, ethnic, ancestral, cultural, genetic, and societal issues related to healthcare. PREREQUISITE: NURS 3017, 3018, 3019, 3000, 3101, 3400.

NURS 4800 - Independent Study (1-3)

Directed study and/or research in selected areas of nursing. May be repeated for maximum of 7 hours credit. PREREQUISITE: senior standing and permission of faculty.

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CSED

(CSED) FAMILY AND CONSUMER SCIENCE

Dan Lattimore, Ph. D., Dean

Room 404, Manning Hall

<http://www.uc.memphis.edu/consumer.htm>

Due to possible changes in graduation requirements, it is the responsibility of the student to see his or her advisor for updates.

In addition to the courses below, the department may offer the following Special Topics courses:

CSED 4920-29. Special Topics in FCS. (1-3). Lectures and conferences covering selected areas of current interest. See online class listings for topics. May be repeated; credit applicable to degree is limited.

CSED 4940-49. Workshop in FCS. (1-3). Group study related to specific phases of family and consumer education. May be repeated.

CSED 2004 - Technical Skill/Home Furnshng (3)

Students interested in housing, home furnishing, and related areas focus on varied program of technical skills involving 2-point perspective sketches and drafting freehand and with computer. For Family and Consumer Science majors who lack skills necessary to demonstrate concepts of depicting home furnishing interiors. Spring only.

CSED 2005 - Intro to Fashion Merchandising (3)

Introduction to the types of enterprises, activities, operations, interrelationships, and practices in fashion industry; emphasis on merchandising terminology and techniques.

CSED 2101 - Family/Global Perspective (3)

Introduction to family as a primary, global, social institution; contributions sociology, anthropology, and Family and Consumer Science have made to understanding how and why family systems vary worldwide and common bonds and problems facing families in modern societies. [G]

CSED 2106 - Visual Merchandising (3)

Theory and practice in visual merchandising (display); including retail interior planning, window display techniques, display creation, planning promotions, and determining budgets.

CSED 3104 - Housing & Related Arts (3)

Elements and principles of design applied to selection of housing and related home furnishings.

CSED 3204 - Residential Kitchen Planning (3)

(Same as ART 3204). Design aspects of residential kitchens and their relationship to housing; basic kitchen planning principles based on NKBA guidelines, trends in socio-economic, multi-cultural, universal design; selection, use, care of appliances.

PREREQUISITE: CSED 3104, or permission of instructor. Spring only.

CSED 3206 - Merchandising Systems (3)

Analysis of formulas used to plan and control the flow of merchandise through the use of both computer and manual systems. PREREQUISITE: Satisfactory completion of the General Education mathematics requirements and ACCT 2010 or ACC 1104.

CSED 3215 - Textile Practices/Perspectives (3)

Application of research, critical-thinking, and problem-solving skills to identify and analyze textile industry trends, historical events and developments, and practices that support the merchandising of textiles and end products to consumers. PREREQUISITE: sophomore status, CSED 2005, or permission of instructor.

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Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

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Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

CSED 3216 - Merchandising Perspectives (3)

Application of research, critical thinking, and problem solving skills to identify and analyze fashion merchandising strategies, auxiliary resources, industry leaders and designers, and historical periods of costume. PREREQUISITE: sophomore status and CSED 2005.

CSED 3302 - Child/Adolescent Development (3)

(Same as EDPR 3302). Principles and processes of child and adolescent development applied to education. Required clinical experiences outside of class. .

CSED 3401 - Parenthood Education (3)

Parental role, parent-child relationship, and factors that influence parenthood.

CSED 4101 - Preschool Curriculum (3)

Application of child development principles to program planning; infancy through four years of age.

CSED 4106 - Trends/Issues Profession (3)

Senior capstone seminar that applies synergistic thinking to integrative discipline of family and consumer science and specializations that make up the discipline; changing trends, issues, and technology affecting today's family and consumer sciences professional; professional orientation and leadership skills critiqued and enhanced in oral and written activities. PREREQUISITE: junior standing. Fall only.

CSED 4204 - Furnishing Pblms/Presentatns (3)

Critical thinking and problem solving related to planning, coordinating, and purchasing of home furnishings. Two lecture hours, one lab hour per week. PREREQUISITE: CSED 3104. Fall only.

CSED 4205 - Behavioral Sci Aspect Clothng (3)

Interdisciplinary study of clothing and appearance; concepts, methodologies, and applications of behavioral science to clothing. Junior standing required to register for course. Fall only.

CSED 4211 - Rdnngs: Child Dev/Family Relatn (1-3)

For Senior Consumer Science students. In-depth reading or research in area of specialization. PREREQUISITE: Senior Consumer Science students only. Permission of instructor prior to enrolling.

CSED 4217 - Rdnngs: Family/Consumer Science (3)

For Senior Consumer Science students. In-depth reading or research in area of specialization. PREREQUISITE: Senior Consumer Science students only. Permission of instructor prior to enrolling.

CSED 4300 - Family Resource Mgmt (3)

Investigates values, goals, and human and material resources necessary for individuals and families to make informed management decisions throughout the life span. Spring only.

CSED 4304 - Trends Housing Home Furnishing (3)

Major trends and influences on contemporary residential furnishings as these affect home furnishings merchandising. Fall only.

CSED 4405 - Textiles (3)

Selection, use, and care of textiles related to properties of fibers, yarn structures, fabric construction, and finishes Morphology and chemistry of fibers, finishes, dyes, fabric maintenance, and procedure involved in fiber, yarn, and fabric identification. Junior standing required to register for course. PREREQUISITE: junior standing, or permission of instructor.

CSED 4600 - Senior Seminar In FCS (3)

Concentrated study of factors influencing the transitional process from career academics to career implementation. Students enrolling in this course must have completed all courses required for the major and marketing minor. PREREQUISITE: completion of all required coursework in general education, concentration, minor, and general electives. COREQUISITE: UNIV 4110, 4995, or PADM 4231.

CSED 4900 - Study Tour/FCS (1-3)

On-the-scene knowledge about specific academic areas of specialization within Consumer Science and Education. PREREQUISITE: permission of instructor. Maximum of 6 credit hours for degree program.

CSED 4920 - Hosp Chdrn and Their Families (3)

Theories and research about children and their families in the healthcare environment; introduction to the child life profession.

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Art History (ARTH)

Communication (COMM)

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Dance (DANC)

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Music

Applied Music (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and

Appreciation (MUHL)

Music Industry (MUID)

Music Theory and Composition (MUTC)

Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)

Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)

Health and Human Performance (EXSS)

Health and Sport Sciences (HMSE)

Health Promotion (HPRO)

Physical Education Activities (PHED)

Physical Education Teacher Education (PETE)

Sport and Leisure Commerce (SLC)

Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)

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Leadership (LEAD)

Reading (RDNG)

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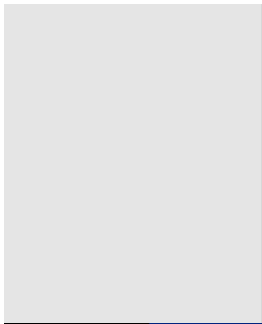
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LEGL

(LEGL) PARALEGAL STUDIES

Dan Lattimore, Ph.D. Dean

Room 218, John Willard Brister Hall

<http://www.memphis.edu/univcoll/ugprograms/paralegal.php>

LEGL 2400 - Legal Ethics (3)

Introduction to paralegal profession; organization of legal institutions; role of attorneys and paralegals in legal system; regulation, ethics, and professional responsibility. PREREQUISITE: ENGL 1010.

LEGL 2410 - Intro to Law (3)

Introduction to American substantive and procedural law; origins and applications of legal theories and processes; case law analysis. PREREQUISITE: ENGL 1010.

LEGL 2420 - Legal Research/Writing I (3)

Research methods using legal encyclopedias, annotations, form books, reporters, codes, regulations, digests, and citations; style of legal memorandum and uniform citation. PREREQUISITE: ENGL 1020 and 3500.

LEGL 3410 - Contracts Commercial Law (3)

Survey of law affecting the formation, performance, and enforcement of contracts; the Uniform Commercial Code; consumer protection; debtor-creditor relations; and bankruptcy; emphasis on paralegal's role in contract and commercial cases. PREREQUISITE: LEGL 2400, 2410, 2420 and LEGL 3483.

LEGL 3420 - Torts (3)

Survey of state and federal law treating civil injury to persons or property; common law and statutory torts, worker's compensation, and insurance; emphasis on paralegal's role in preparing personal injury and compensation cases. PREREQUISITE: LEGL 2400, 2410, 2420 and 3483.

LEGL 3430 - Business Associations (3)

Legal aspects of formation and operation of proprietorships, agencies, partnerships, and corporations; emphasis on paralegal's role in drafting business documents and maintaining corporate records. PREREQUISITE: LEGL 2400, 2410, 2420 and 3483.

LEGL 3440 - Civil Procedure (3)

Application of Rules of Civil Procedure to civil litigation in federal and state courts; jurisdiction; pleadings; discovery requests; trial and appellate practices; judgments; emphasis on paralegal's role in civil litigation. PREREQUISITE: LEGL 2400, 2410, 2420 and 3483.

LEGL 3450 - Legal Research/Writing II (3)

Advanced study of legal research and writing methods; computerized legal research; format and style of trial memorandum and appellate brief. PREREQUISITE: 15 hours in LEGL paralegal courses including LEGL 2420.

LEGL 3481 - Family Law (3)

Substantive and procedural law affecting the family; marriage; procreation; divorce; child custody and support; emphasis on Tennessee law and paralegal's role in family cases. PREREQUISITE: LEGL 2400, 2410, 2420 and 3483.

LEGL 3482 - Labor Law (3)

Law affecting employment relations; NLRB and EEOC procedures; OSHA and ADA issues in the workplace; emphasis on paralegal's role in labor law cases. PREREQUISITE: LEGL 2400, 2410, 2420 and 3483.

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LEGL 3483 - Computers in Law (3)

Detailed examination of practical, technical, and theoretical aspects of computer systems as applied in the modern law office; includes docket control, billing, communications, litigation support, and legal document production. PREREQUISITE: ENGL 1010 and 1020. COREQUISITE: LEGL 2420. Course offered in online format only.

LEGL 3484 - Bankruptcy Practices (3)

Intensive study of substantive and procedural law of bankruptcy; emphasis on applications and processes used by the paralegal when assisting in bankruptcy cases. PREREQUISITE: LEGL 2400, 2410, 2420 and 3483.

LEGL 3485 - Real Estate Practices (3)

Substantive law of real property; acquisitions, characteristics, and transfer of interests in real estate; particular emphasis on the role of paralegals assisting real estate attorneys with realty transfers and closings in Shelby County, Tennessee. PREREQUISITE: LEGL 2400, 2410, 2420 and 3483.

LEGL 3486 - Criminal Law & Procedure (3)

Advanced approach to understanding substantive and procedural criminal law with emphasis on practical application; prima facie elements of substantive criminal offenses, defenses to specific crimes, constitutional limits on police and other governmental entities, probation and parole, and the juvenile justice system. PREREQUISITE: LEGL 2400, 2410, 2420 and 3483.

LEGL 3487 - Admin Law/Procedure (3)

Advanced approach to understanding substantive administrative law with in-depth analysis of Administrative Procedure Act; agency rulemaking, investigations, due process, informal action and discretion, formal adjudications, judicial review. PREREQUISITE: LEGL 2400, 2410, and 2420 and 3483.

LEGL 4410 - Paralegal Internship (3)

Supervised work experience in appropriate legal setting; individual progress conferences arranged and evaluative reports developed. Students must have completed 90 earned credit hours. PREREQUISITE: LEGL 2420, 3450 and approval of paralegal internship contract. (S/U)

LEGL 4450 - Legal Research Writing III (3)

Advanced legal research and writing involving development of offensive and defensive litigation strategies and preparation of state and federal trial court pleadings which utilize these strategies; survey of appellate process and preparation of appellant and appellee briefs. PREREQUISITE: LEGL 2420, 3450.

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Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

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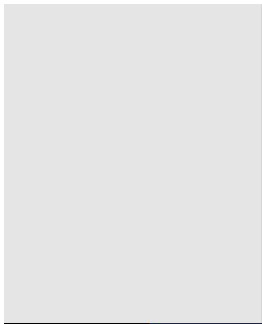
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UNIV

(UNIV) UNIVERSITY COLLEGE
Dan L. Lattimore, Ph.D., Dean
Room 218, John Willard Brister Hall
<http://www.memphis.edu/univcoll/>

Additional fees are charged for some University College lecture and laboratory courses. See the online class listings or the Expenses section of the Catalog.

In addition to the courses below, the department may offer the following Special Topics courses:

UNIV 3500-3599. Thematic Studies. (3-9). Interdisciplinary courses about significant problems, themes, or ideas.

UNIV 3700-3739. Special Topics. (1-6). Topics are varied and in online class listings.

UNIV 4500-4599. Advanced Thematic Studies. (3-9). Advanced interdisciplinary courses about significant problems, themes, or ideas.

UNIV 4700-09. Advanced Special Topics. (3-6). Advanced examination of selected topics in online class listings.

UNIV 1005 - Directed Study (1-3)

Directed study at introductory level. Student may seek permission to study under faculty direction in an area not routinely taught. May be repeated for maximum of 6 hours credit. PREREQUISITE: approval of Out-of-Class Learning and Baccalaureate Contracts.

UNIV 1900 - Experiential Learning Intro (1-30)

A systematic process for evaluating and credentialing learning gained in a variety of contexts. Upper/lower-division credit determined by faculty assessor.

UNIV 2110 - Field Experience (1-6)

Supervised on-site training in basic skills. May be repeated for a maximum of 6 hours credit. PREREQUISITE: Approval of Out-of-Class Learning and Baccalaureate Contracts. (S/U)

UNIV 2860 - Cultural Confrontations H/P (3)

Interdisciplinary examination of causes and effects of conflicts between and within cultures. Examines notion of cultural unity, issues of cultural identity, and categories used to construct cultural positions; European, African, Asian, and Native-American cultures studied in order to assess historical and philosophical viewpoints that influence understandings of contemporary society.

UNIV 2900 - Experiential Learning Intern (1-30)

A systematic process for evaluating and credentialing learning gained in a variety of contexts. Upper/lower-division credit determined by faculty assessor.

UNIV 3401 - Legal Aspect/Real Estate Trans (3)

Acquisitions, characteristics and transfer of interests in real estate. Offered at Lambuth Campus only.

UNIV 3402 - Legal Aspects/Organizations (3)

Legal aspects of formation and operation of proprietorships, agencies, partnerships and corporations; emphasis on paralegal's role in drafting business documents and maintaining corporate records. Offered at Lambuth Campus only.

UNIV 3522 - American Cinema (3)

Overview of American film history from silent cinema to the present. Considers the place of Hollywood film in American popular culture, the relation of movie technology to film art, and seeks to develop cinematic literacy and the ability to think critically about popular culture.

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Fogelman College of Business and Economics

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UNIV 3526 - War & American Society (6)

Interdisciplinary examination of the concept and effects of war from historical, literary, artistic and philosophical perspectives. Focus on the various ways in which America has dealt with war, from the Revolutionary War to the recent Gulf Conflict, and on the changes in American society that have resulted.

UNIV 3531 - Am Exp: Image/Narrative (3)

Organized around "images" and "narratives"; utilizes a variety of cultural materials to enhance appreciation of the peoples and experiences that define the term "American."

UNIV 3534 - Theatre & Therapy (3)

Traces the therapeutic functions of theater from the ancient practice of shamanistic rituals up to the contemporary applications of psychodrama and drama therapy. Considers the meaning of drama and play in a evolving culture. Practical experience in the therapeutic uses of theater through a series of workshops.

UNIV 3535 - Family Communication (3)

Course offered on campus and online. Provides a framework and perspective for analyzing the family as a communication system. It examines the ways in which members of family systems interact in order to develop, sustain and manage their relationships in an era when family issues are at the forefront of national concerns, particularly in governmental, educational and religious arenas.

UNIV 3540 - Ethics & Professionalism (3)

An analysis of ethical decisions and dilemmas of professional practice. A study of elementary principles of moral philosophy and applying those principles to professional decisions. Learning how to tolerate disagreement, developing respect for ethnic and gender diversity, and gaining a sense of moral responsibility in your professional practice.

UNIV 3542 - Baseball in America (3)

Cultural aspects of baseball in America and impact it has had on society; early history of the game; formation of various leagues; The World Series; racism in the game; game's role in literature, radio, and television.

UNIV 3550 - Clash of Cultures (3)

Multi-leveled, complex, and consequential clashes that have shaped American culture and much of the modern world.

UNIV 3565 - Comparative Christianity (3)

Commonality in Christianity; major turning points in Christian history; the tradition's variety of subgroups, starting with the three great groupings: Eastern Christianity, Roman Christianity, and Protestant Christianity; examination of future of Christianity.

UNIV 3580 - Hebrew and Greek Legacy (3)

Interdisciplinary examination of salient ideas, values, and traditions of ancient Hebraic and Greek cultures, with emphasis on those ideas and values that have most significantly influenced the modern world; understanding of ideas and values enhanced through comparison with selected non-Western traditions. PREREQUISITE: ENGL 1010 and 1020. [G]

UNIV 3581 - Faith/Reason/Imagination (3)

Interdisciplinary examination of religious, rationalist, and aesthetic viewpoints as distinctive ways of understanding what is fundamental to human experience. Exploration of historical development of each of these modes of understanding and examination of tensions that exist among them in modern world. PREREQUISITE: ENGL 1010 and 1020. [G]

UNIV 3713 - Freedom, Openness, Internet (1)

In-depth exploration of the openness of the internet in both historical and contemporary context.

UNIV 3900 - Experiential Learning Adv (1-30)

A systematic process for evaluating and credentialing learning gained in a variety of contexts. Upper/lower-division credit determined by faculty assessor.

UNIV 4000 - Community Internship (3-6)

Extensive professional preparation as an intern in a community setting that may limit student's enrollment in other courses. PREREQUISITE: permission of student's department chair. Note: students enrolled in UNIV 4000 are considered to be full time students for enrollment certification purposes. (S/U).

UNIV 4110 - Internship (3-6)

Supervised training in work related to student's educational objectives. PREREQUISITE: approval of Out-of-Class Learning and Baccalaureate Contracts. (S/U).

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UNIV 4380 - Independent Study (1-3)

Directed individual study or research. Students who have identified area of study pertinent to their coordinated study program, that is not routinely taught, may pursue the study under direction of faculty member. May be repeated for a maximum of 6 hours credit. PREREQUISITE: approval of Out-of-Class Learning and Baccalaureate Contracts.

UNIV 4506 - The Chinese (3)

Provides an understanding of the people, history, culture, and government of a civilization more than 5,000 years old. Shows the influence ancient Chinese medicine, art and religion has had on the contemporary world and illustrates the way in which China attempts to balance economical and political development with ancient customs, rituals, and beliefs. Also considers the role which China plays in the global economy - now and in the future.

UNIV 4511 - Holocaust Studies (3)

(Same as JDST 4511). Synthesizing knowledge and methodologies from several disciplines; contexts and implications of the Holocaust; encompass periods before, during, and after the event to explore questions of human values and responsibility; research paper, journal, writing for oral presentation and essay exam. Intended for seniors.

UNIV 4518 - Literature Of Americas (6)

Explores the diversity, similarities and universality of the central themes of Spanish-American and African-American fiction.

UNIV 4520 - Mind/Brain/Intelligence (3)

(Same as PSYC 4305). Interdisciplinary studies of cognition, behavior, emotion, intelligence, and brain mechanisms; synthesis of research contributions from cognitive science, neuroscience, artificial intelligence, and philosophy.

UNIV 4527 - The Developing Adult (3)

Early, middle, and late adulthood; social relationships; retirement issues and options; choice in living arrangements; end-of-life concerns.

UNIV 4529 - Character/Society in America (6)**UNIV 4700 - Czech Culture and History (3)**

Study Abroad to the Czech Republic; upon completion of course, students will receive a Teaching English as a Foreign Language certificate.

UNIV 4706 - Managing Software Development (3)

The purpose in this course is to develop skills necessary to be an effective manager of an application software development team. Through this course, the student will become familiar with the process of managing the complete software development process in a business application context. Primary focus will be on the planning and oversight skills associated with managing a team of application developers and the process of defining and completing application development projects. Emphasis will be placed on information-gathering, project design, budgeting, and ongoing oversight. In addition, the student will become familiar with the terminology and product knowledge associated with the complex enterprise-wide software development efforts.

UNIV 4708 - Business Intelligence (3)

Data warehousing, data mining, text and web mining, and reality mining.

UNIV 4830 - Israeli/Arab Conflict (3)

(Same as JDST 4830). Historical, political, cultural dimensions of tensions that have existed between Israelis and Arabs since the founding of the State of Israel with attention to current situation

UNIV 4995 - Senior Project (3)

Academic research or other creative activity resulting in tangible project to demonstrate synthesis of student's Coordinated Study. PREREQUISITE: senior status.

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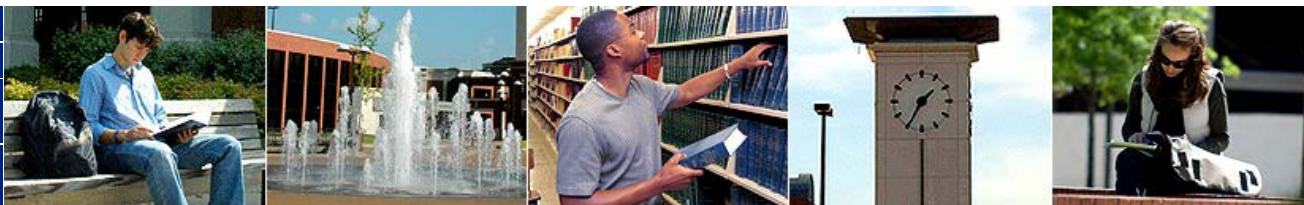
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ACAD

(ACAD) ACADEMICS - ORIENTATION PROGRAM
Room 800, Wilder Tower
<http://www.memphis.edu/acad1100/>

The Orientation Program offers a 3-hour credit course for entering freshmen only. This course has been specially designed to assist freshmen in making the transition to higher education by introducing them to the expectations and opportunities provided by the University.

ACAD 1100 - Academic Strategies (3)

History, philosophy, and principles of higher education, with emphasis on the University of Memphis. Special attention to developing student skills necessary to meet the intellectual expectations of the university.

ACAD 2200 - Academic Success Seminar (1)

Strategies and practices that have proven successful with students returning from academic suspension. Permit required.

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Instruction and Curriculum Leadership

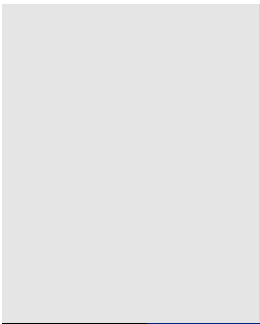
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UNHP

(UNHP) HELEN HARDIN HONORS PROGRAM

Melinda L. Jones, Ph.D., Director

Honors Hall

<http://honors.memphis.edu/>

In addition to the courses below, the department may offer the following Special Topics courses:

UNHP 3250-3299. Special Topics. (1-3). To accommodate student interests and faculty inspiration. May feature scholars-in-residence, museum exhibits, or other timely opportunities. Innovation in content and format encouraged. May be repeated for credit as topic varies. May not be repeated to improve a former grade.

UNHP 4150-4199. Contemporary Issues. (3). Selected contemporary issues to be approached in terms of demographic, social, economic, political, cultural, and historical dimensions; perspectives from social sciences and humanities; emphasis on social policies as problem solving strategies. Varied topics based on broad thematic areas such as public education; race and ethnic relations; criminal justice system; religion in public life; role of media in political discussion. May be repeated for credit as topic varies. May not be repeated to improve a former grade.

UNHP 4250-4299. Cross-Cultural Perspectives. (3). Emphasis on global environment; area study or thematic approach with consideration of demographic, social, economic, political, cultural, and historical dimensions; perspectives from social sciences and humanities. May include such topics and areas as concept of the Third World, the non-western mind, the Middle East, Eastern Europe, Japan, or post-colonial Africa. May be repeated for credit as topic varies. May not be repeated to improve a former grade.

UNHP 4350-4399. Science and Technology. (3). Emphasis on relationship between science and technological innovation on the one hand and ethics, values, and public policy on the other. Includes basic science content suitable for non-science majors, as well as perspectives from social sciences and humanities. May include varied topics such as environmental issues, biomedical engineering, space program, artificial intelligence, human factors analysis, the mind and the brain. May be repeated for credit as topic varies. May not be repeated to improve a former grade.

UNHP 4450-4499. Interdisciplinary Special Topics. (3). Themes and topics that lend themselves to interdisciplinary discussion and analysis. Emphasis on texts and primary sources, as well as innovative teaching formats. May be team-taught by faculty from two or more disciplines. May apply toward Honors Certificate. May be repeated for credit as topic varies. May not be repeated to improve a former grade.

UNHP 1100 - The Honors Forum (1)

Weekly meeting of Honors students. Discussion led by faculty and/or students on various topics. Honors credit requires grade of "B" (3.0). May not be repeated to improve former grade.

UNHP 1101 - Humanities/Global Challenge (3)

An interdisciplinary investigation of current global controversies and issues, integrating literature, art, and other forms of cultural expression. Honors credit requires grade of "B" (3.0). Substitutes for a Humanities/Fine Arts General Education requirement for Honors students.

UNHP 1102 - Social Scien/Global Challenge (3)

An interdisciplinary exploration of economic, human, cultural, and political dimensions of globalization. Honors credit requires grade of "B" (3.0). Substitutes for a Behavioral/Social Science General Education requirement for Honors students.

UNHP 3114 - Honors Thesis Workshop (1)

Series of weekly meetings to provide prospective Honors thesis writers with the background and resources necessary to produce quality independent research. PREREQUISITE: third-year standing in Honors, or permission of the Director of the University Honors Program. (S/U).

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UNHP 3407 - Evolutionary Perspective (3)

Principles of anthropology, biology, chemistry, and geology as applied to evolutionary thoughts and processes. Three lecture hours per week. **PREREQUISITE:** 8 semester hours of Natural Science courses.

UNHP 4150 - Econ of Social Issues (3)

Selected contemporary issues to be approached in terms of demographic, social, economic, political, cultural, and historical dimensions; perspectives from social sciences and humanities; emphasis on social policies as problem solving strategies. Varied topics based on broad thematic areas such as public education; race and ethnic relations; criminal justice system; religion in public life; role of media in political discussion. May be repeated for credit as topic varies. May not be repeated to improve a former grade.

UNHP 4900 - Adv Honors Projects (1-3)

Designed for individuals or small groups of students working collaboratively. Students encouraged to design own projects. May include reading, research, discussion group, or experiential projects. Advanced projects assume sufficient background for advanced level. Credit varies according to project. Application to department and college honors programs at their discretion. Letter grade unless student application for credit/no credit approved before registration. May be repeated for a maximum of 9 hours credit. May not be repeated to improve a former grade.

UNHP 4999 - Honors Thesis (3)

In conjunction with a faculty mentor, most often from student's major department. Guidelines for students and faculty and applications available from Honors Office. Preliminary applications should be completed two semesters in advance. Formal applications due before final examinations week in semester preceding semester in which credit sought. Letter grade unless student application for credit/no credit approved before registration. Honors credit requires grade of "B" (3.0). May not be repeated to improve a former grade.

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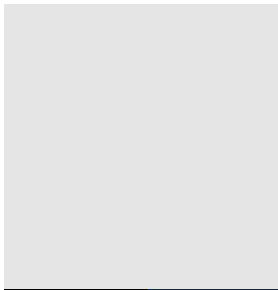
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LBRY

(LBRY) UNIVERSITY OF MEMPHIS LIBRARIES
Sylverna V. Ford, Ph.D., Dean
Room 203, McWherter Library

LBRY 3900-09. Special Topics in Library Information. (3). Topics varied and announced in online class listings. May be repeated when topic varies.

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Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

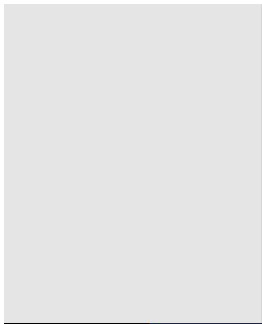
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Elementary Education (ELED)
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Leadership (LEAD)
Reading (RDNG)
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Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
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Loewenberg School of Nursing

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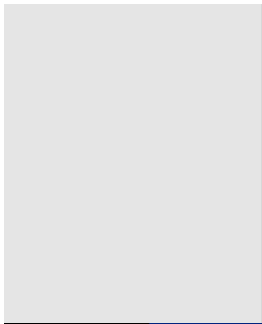
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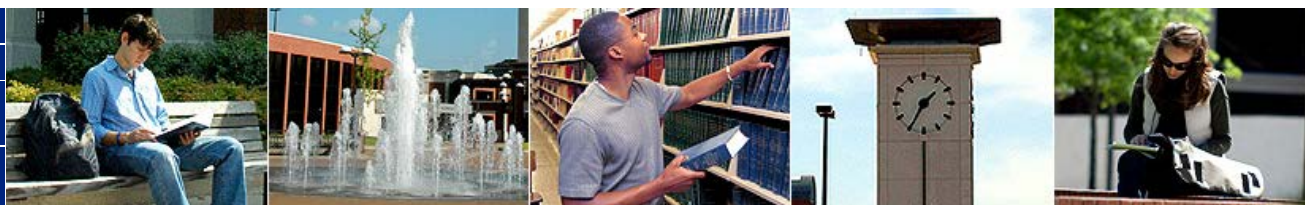
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THE UNIVERSITY OF
MEMPHIS®

Code of Student
Rights and
Responsibilities

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INTRODUCTION

The community of scholars at The University of Memphis is committed to the development of personal and academic excellence. The essence of a University is the pursuit, dissemination and application of knowledge. Members of this community should engage vigorously in this University's academic life. As voluntary members of the University community, students are expected to act with civility toward others in the community accordingly, in order to foster and promote an educational environment conducive to the University's mission.

INSTITUTION POLICY STATEMENT

The University of Memphis students are citizens of the local, state and federal governments, and of the academic community. Students are, therefore, expected to conduct themselves as law abiding members of each community at all times. Admission to the University carries with it special privileges and imposes special responsibilities apart from those rights and duties enjoyed by non-students. In recognition of this special relationship that exists between the institution and the academic community which it seeks to serve, the Tennessee Board of Regents has, as a matter of public record, instructed the presidents of the universities and colleges under its jurisdiction to take such action as may be necessary to maintain campus conditions and to preserve the integrity of the institution and its educational environment. If a student's violation of such laws or ordinances also adversely affects the University's pursuit of its educational objectives, the University may enforce its own regulations regardless of any proceeding instituted by other authorities. Additionally, violations of any section of the Code may subject a student to disciplinary measures by the University whether or not such conduct is simultaneously violative of local, state, or federal laws.

POLICY FOR ACCEPTABLE USE OF INFORMATION TECHNOLOGY RESOURCES

The primary purpose of The University of Memphis' information technology resources is to enhance and support the educational mission of the University. Access to the University's technology resources is a privilege granted to University students, faculty, staff, and approved guests. These resources include hardware, software, computer accounts, local area networks as well as connections to other computer networks via the Internet. Everyone using these resources is responsible for using them in an effective, ethical and lawful manner. All users must refrain from the following activities:

1. Using computing facilities to violate any University policy or regulation, or federal, state or local law;
2. Entering, without authorization, into any account to use, read, transfer or change the contents in any way;
3. Impersonating/misrepresenting another individual's computer account or e-mail username;
4. Granting another individual access to your computer account;
5. Using computing resources to interfere with the work of other students, faculty or University officials;
6. Using computing facilities to send obscene, abusive, threatening, defamatory or harassing messages;
7. Using computing resources to interfere with the normal operation of University computing systems and connected networks including, but not limited to, introducing viruses, flooding the network with messages, sending chain letters, or unfairly monopolizing resources that results in the exclusion of others;
8. Using University computing resources for profit or commercial purposes.

9. Using University IT resources to download, upload, store, access, or distribute copyrighted materials without proof of authorization from the copyright holder(s).

Intentional failure to comply with this policy will result in action which may include suspension of user privileges or other disciplinary action, including suspension or expulsion from the University or termination of University employment. In addition, violations may result in referral for prosecution by local, state or federal authorities.

THE UNIVERSITY OF MEMPHIS' POSITION ON DRUG AND ALCOHOL USE BY STUDENTS

In accordance with local, state and federal laws and with University Regulations promulgated in accordance with the Tennessee Board of Regents policy, students are prohibited from unlawfully possessing, using, selling, manufacturing or distributing illicit drugs on University owned or controlled property. Also, students are prohibited from possessing, using, selling, manufacturing or distributing alcoholic beverages on University owned or controlled property.

At off-campus University sponsored (funded) events students are prohibited from unlawfully possessing, using, selling, manufacturing or distributing illicit drugs. Alcohol shall not be abused by those of legal drinking age, nor used, possessed or distributed by those who have not attained drinking age. Additionally, students are prohibited from being under the influence of illegal drugs or alcohol while on University owned or controlled property or while attending any University sponsored (funded) activity.

I. INTERPRETATION AND REVISION

Any question of interpretation regarding the Code of Student Conduct shall be referred to the Vice President of Student Affairs or his or her designee for final determination. The Code of Student Conduct shall be reviewed annually under the direction of the Office of Student Judicial and Ethical Programs.

II. DEFINITIONS

- a. The term "University" means The University of Memphis.
- b. For the purposes of these rules only, the term "student" includes all persons taking courses at the University, both full-time or part-time, credit or noncredit, pursuing undergraduate, graduate, or professional studies; and, all other adult persons who reside in University residence halls, including Student Family Housing.
- c. For the purposes of these rules only, the term "faculty member" means any person hired by the University to conduct classroom activities.
- d. The term "University official" includes any person employed by the University, performing assigned administrative or professional responsibilities.
- e. The term "member of the University community" includes any person who is a student, faculty member, University official or any other person employed by the University or who is a guest of the University.
- f. The term "University premises" includes all land, buildings, facilities, and other property in the possession of or owned, used, or controlled by the University (including adjacent streets and sidewalks).
- g. The term "organization" means any number of persons who have complied with the formal requirements for University registration.
- h. The term "judicial body" means any person or persons authorized by the President of the University to determine whether a student has violated the Code of Student

Conduct and to recommend imposition of sanctions. The term “judicial body” does not include the University Appeals Committee or the President of the University.

- i. The term “Judicial Officer” means a University official authorized by the Vice President of Student Affairs or Dean of Students to file charges and to impose sanctions on students who choose to admit violating the Code of Student Conduct. The duties of the Judicial Officer will usually be performed by the Associate Dean of Students for Judicial and Ethical Programs; however, the Vice President of Student Affairs or Dean of Students may appoint another individual to perform the duties of the Judicial Officer at his discretion.
- j. The term “University Appeals Committee” means any person or persons authorized by the President to consider an appeal from a judicial body’s determination that a student has violated the Code of Student Conduct, or from sanctions imposed by the Judicial Officer or hearing body.
- k. The “Vice President of Student Affairs” is that person designated by the University President to be responsible for the administration of the Code of Student Conduct.
- l. The term “shall” is used in the imperative sense.
- m. The term “may” is used in the permissive sense.
- n. The term “policy” is defined as the written regulations of the Student Handbook, Residence Life Handbook, Graduate and Undergraduate Catalogues and the Schedule of Classes.
- o. The term “cheating” includes, but is not limited to:
 1. use of any unauthorized assistance in taking quizzes, tests, or examinations;
 2. dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments;
 3. the acquisition, without permission, of tests or other academic material before such material is revealed or distributed by the instructor;
 4. the misrepresentation of papers, reports, assignments or other materials as the product of a student’s sole independent effort, for the purpose of affecting the student’s grade, credit, or status in the University;
 5. failing to abide by the instructions of the proctor concerning test-taking procedures; examples include, but are not limited to, talking, laughing, failure to take a seat assignment, failing to adhere to starting and stopping times, or other disruptive activity;
 6. influencing, or attempting to influence, any University official, faculty member, graduate student or employee possessing academic grading and/or evaluation authority or responsibility for maintenance of academic records, through the use of bribery, threats, or any other means or coercion in order to affect a student’s grade or evaluation;
 7. any forgery, alteration, unauthorized possession, or misuse of University documents pertaining to academic records, including, but not limited to, late or retroactive change of course application forms (otherwise known as “drop slips”) and late or retroactive withdrawal application forms. Alteration or misuse of University documents pertaining to academic records by means of computer resources or other equipment is also included within this definition of “cheating.”
- p. The term “plagiarism” includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full or clear acknowledgment. It also includes the unacknowledged use of materials prepared

by another person or agency engaged in the selling of term papers or other academic materials.

- q. The term “academic misconduct” includes, but is not limited to, all acts of cheating and plagiarism as defined herein.

III. DISCIPLINARY AUTHORITY

- a. Academic Integrity Committee - All charges of academic misconduct are heard by the Academic Integrity Committee. The Academic Integrity Committee is a University-wide standing committee composed of five (5) faculty members and four (4) students, all appointed by the President. There must be at least five (5) members of the Committee present, including the chairperson, who is a faculty member, to constitute a quorum and to hear cases unless the student charged with academic misconduct or who is appealing an act of Summary Discipline knowingly waives the right to a quorum. A majority of the Committee members present for a hearing must be in agreement in order for a decision to be binding on a student.
- b. Student Government Court - Charges not involving academic misconduct may be heard by the Student Government Court. The Student Government Court is comprised of nine (9) students selected in accordance with the Student Government Association Constitution and By-Laws for terms that expire upon a student’s graduation, resignation or termination from the Court. There must be at least five (5) members of the Court present to constitute a quorum and to hear cases unless a student who has chosen the Court as his or her hearing forum voluntarily and knowingly waives the right to a quorum. A majority of the Court members present for a hearing must be in agreement in order for a decision to be binding on a student.
- c. Behavioral Standards Committee - Charges not involving academic misconduct may be heard by the Behavioral Standards Committee. The University’s Behavioral Standards Committee is composed of nine (9) members, including four (4) faculty members, four (4) students, and one chairperson, who is also a faculty member. The members are appointed by the University’s President from a pool recommended jointly by the Student Government Association President and the Vice President of Student Affairs. There must be at least five (5) members of the Committee present, including the chairperson, to constitute a quorum and to hear cases unless a student who has chosen the Committee as his or her hearing forum voluntarily and knowingly waives the right to a quorum. A majority of the Committee members present for a hearing must be in agreement in order for a decision to be binding on the student.
- d. Hearing before an Administrator - If a student chooses to admit violating a provision of the Code, the student may either accept the sanction proposed by the Judicial Officer, or choose to have a hearing before another administrator appointed by the Vice President of Student Affairs regarding his or her sanction(s). At this hearing, the student may present witnesses and other evidence relevant to the offense that may mitigate in the student’s favor.
- e. Tennessee Uniform Administrative Procedure Act (TUAPA) - Disciplinary charges that may result in suspension or expulsion from the University may, at the student’s option, be heard in conformance with the requirements of the Tennessee Uniform Administrative Procedures Act. The TUAPA is an official state act defining certain procedures that are required when a student chooses to have his or her case heard through the Act’s provisions. A more detailed description of the Act and its provisions may be obtained from the Office of Student Judicial and Ethical Programs.
- f. University Appeals Committee - Hears appeals of all decisions made by University

Hearing Bodies on matters of academic and social misconduct. The University Appeals Committee is composed of both faculty and students, who are appointed by the Vice President of Student Affairs.

IV. PROHIBITED CONDUCT BY STUDENTS AND UNIVERSITY JURISDICTION

Generally, University jurisdiction and discipline shall be limited to conduct which occurs on University premises or conduct occurring off-campus which adversely affects the University's educational mission and/or objectives. Any student found to have committed the following misconduct is subject to the disciplinary sanctions outlined below:

- a. Acts of dishonesty, including but not limited to the following:
 1. Cheating, plagiarism, or other forms of academic dishonesty.
 2. Furnishing false information to any University official, faculty member or office.
 3. Forgery, alteration, or misuse of any University document, record, or instrument of identification.
- b. Disruption or obstruction of teaching, research, administration, disciplinary proceedings, other University activities, including its public service functions on or off campus, or other authorized non-University activities, when the act occurs on University premises.
- c. Physical abuse or harassment (including verbal abuse/sexual harassment), threats of physical harm of any person or self, coercion and/or other conduct which threatens or endangers the health or safety of any person.
- d. Attempted or actual theft of and/or damage to property of the University or property of a member of the University community or other personal or public property.
- e. Hazing. Hazing means any intentional or reckless act in Tennessee on or off the property of any higher education institution by one (1) student acting alone or with others which is directed against any other student, that endangers the mental or physical health or safety of that student, or which induces or coerces a student to endanger such student's mental or physical health or safety. Hazing does not include customary athletic events or similar contests or competitions, and is limited to those actions taken and situations created in connection with initiation into or affiliation with any organization.
- f. Failure to comply with directions of University officials or law enforcement officers acting in performance of their duties and/or failure to identify oneself to these persons when requested to do so.
- g. Unauthorized possession, duplication of, or use of keys to any University premises or unauthorized entry into or use of University premises.
- h. Gambling in any form or manner.
- i. Violation of published University policies, rules or regulations.
- j. Violation of local, state, or federal law.
- k. Use, possession, distribution or manufacturing of illegal drugs and/or drug paraphernalia or other controlled substances except as expressly permitted by law.
- l. Use, possession or distribution of alcoholic beverages or public intoxication while on University owned or controlled property or while attending a University sponsored event.
- m. Possession of any firearms, explosives, or other weapons, including, but not limited to, pistols, rifles, shotguns, hand- guns, BB guns, paint guns, knives, or dangerous chemicals on University premises.
- n. Participation in a campus demonstration which disrupts the normal operations of the

University and infringes on the rights of other members of the University community; leading or inciting others to disrupt scheduled and/or normal activities within any campus building or areas; intentional obstruction which unreasonably interferes with freedom of movement, either pedestrian or vehicular, on campus.

- o. Obstructing the free flow of pedestrian or vehicular traffic on University premises or at University-sponsored or supervised functions.
- p. Disorderly conduct; a breach of the peace; or aiding, abetting, or procuring another person to breach the peace on University premises, or at functions sponsored by the University or in which the University participates.
- q. Failure to abide by emergency or fire evacuation procedures, deliberate deployment of a fire alarm or tampering with fire safety equipment.
- r. Attempting, assisting and/or being present during the planning of or actual act(s) which violate university policies.
- s. Sexual battery or rape as defined by state law.
- t. Theft or other abuse of computer time, including but not limited to:
 - 1. Unauthorized entry into a file, to use, read or change the contents, or for any other purpose.
 - 2. Unauthorized transfer of a file.
 - 3. Unauthorized use of another individual's identification and password.
 - 4. Use of computing facilities to interfere with the work of another student, faculty member or University official.
 - 5. Use of computing facilities to send or receive obscene messages.
 - 6. Use of computing facilities to interfere with normal operation of the University computing system.
- u. Abuse of the University Judicial System, including but not limited to:
 - 1. Failure to obey the summons of a judicial body or University official.
 - 2. Falsification, distortion, or misrepresentation of information before a judicial body.
 - 3. Disruption or interference with the orderly conduct of a judicial proceeding.
 - 4. Institution of a judicial proceeding knowingly without cause.
 - 5. Attempting to discourage an individual's proper participation in, or use of, the judicial system.
 - 6. Attempting to influence the impartiality of a member of a judicial body prior to, and/or during the course of the judicial proceeding.
 - 7. Failure to comply with the sanction(s) imposed under the Code of Student Conduct.
 - 8. Influencing or attempting to influence another person to commit an abuse of the judicial system.

V. VIOLATION OF LAW AND THE CODE OF STUDENT CONDUCT

- a. If a student is charged only with an off-campus violation of federal, state, or local laws, but not with any other violation of this Code, disciplinary action may be taken and sanctions may be imposed for grave misconduct which demonstrates flagrant disregard for the University community. In such cases, no sanction may be imposed unless the student has been found guilty in a court of law or has declined to contest such charges, although not actually admitting guilt.
- b. University disciplinary proceedings may be instituted against a student charged with violation of a law which is also a violation of this Code of Student Conduct, for example, if both violations result from the same factual situation, without regard to the tendency

of civil litigation in court or criminal arrest and prosecution. Proceedings under this Code of Student Conduct may be carried out prior to, simultaneously with, or following civil or criminal proceedings off-campus.

- c. When a student is charged by local, state, or federal authorities with a violation of law, the University will not request or agree to special consideration for that individual because of his or her status as a student or if the alleged offense is also the subject of a proceeding before a judicial body under the Code of Student Conduct. However, the University may advise off-campus authorities of the existence of the Code of Student Conduct and of how such matters will be handled internally within the University community, consistent with student record confidentiality requirements under state and federal laws. The University will cooperate fully with law enforcement and other agencies in the enforcement of criminal law on campus and in the conditions imposed by criminal courts for the rehabilitation of student violators. Individual students and faculty members, acting in their personal capacities, remain free to interact with governmental representatives as they deem appropriate.

VI. DISCIPLINARY PROCEDURES

The following procedures are applicable to all hearings for violations of this Code except those hearings that are heard in conformance with the requirements of the Tennessee Uniform Administrative Procedures Act.

A. Charges

1. Any member of the University community may file a complaint against any student for misconduct. Complaints shall be prepared in writing and directed to the Office of Student Judicial and Ethical Programs. A complaint should be submitted as soon as possible after the event takes place, preferably within ten (10) days of the alleged misconduct.
2. The Office of Student Judicial and Ethical Programs may conduct an investigation to determine if the complaint has merit and/or if it can be disposed of administratively by the Judicial Officer or by mutual consent of the parties involved on a basis acceptable to the Judicial Officer. Such disposition shall be final and there shall be no subsequent proceedings.
3. All charges shall be presented to the accused student in written form. A time shall be set for a hearing, not less than five (5) days after the student has been notified.
4. All written notices will be mailed or hand-delivered to the address of the student as it appears on the official University records. Students are responsible for keeping the University Records Office informed of a current address.

B. Hearings

1. Hearings shall be conducted in private in order to protect the confidential nature of the proceedings.
2. In hearings involving more than one accused student, the chairperson of the judicial body, in his or her discretion, may permit the hearings concerning each student to be conducted separately.
3. The complainant and the accused have the right to be assisted by any advisor they choose, at their own expense. The advisor may be an attorney. The accused is responsible for presenting his/her own case and advisors are not permitted to speak or to participate directly in any hearing before a judicial body.
4. The University, the accused and the judicial body shall have the privilege of

- presenting witnesses, subject to the right of questioning by the judicial body.
5. Pertinent records, exhibits and written statements may be accepted as evidence for consideration by a judicial body at the discretion of the chairperson.
 6. There shall be a record, such as a tape recording, of all hearings before a judicial body. The record shall be the property of the University.
 7. Hearings shall proceed in the following order:
 - a. reading of the alleged violation(s);
 - b. the student's denial or admission of the alleged violation(s);
 - c. presentation of evidence by the University and questions by the student charged and/or the hearing body;
 - d. presentation of evidence by the student charged and questions by the University and/or the hearing body; and
 - e. closing statements by both parties;
 - f. After the hearing, the judicial body shall determine by majority vote (if the judicial body consists of more than one person) whether the student has violated each section of the Code of Student Conduct which the student is charged with violating.
 - g. the judicial body's determination shall be made on the basis of whether it is "more likely than not" that the accused student violated the Code of Student Conduct.
 - h. the student shall be notified in writing of the decision within five (5) days of the disciplinary body's decision. Every attempt will be made to verbally notify the student of the decision prior to the five-day period. In cases involving alleged sexual assault, both the accused and accuser shall be notified in writing within five (5) days of the judicial body's decision.
 - i. no student may be found to have violated the Code of Student Conduct solely because the student failed to appear before a disciplinary body. In all cases, the evidence in support of the charges shall be presented and considered.

C. Academic Misconduct

Proceedings before the Academic Integrity Committee may be initiated by a faculty member or student as provided:

1. Request for Hearing by Faculty Member: a faculty member who has good cause to believe that a student has engaged in academic misconduct in connection with a course taught by the faculty member or an examination proctored by the faculty member, or his or her designee, may request a hearing of the allegation of academic misconduct by contacting the Chair of the Academic Integrity Committee or the Judicial Officer.
 - a. A student found responsible for academic misconduct by the Academic Integrity Committee may be awarded a grade of "F" for the course, assignment, or examination at issue, and is also subject to additional disciplinary sanctions outlined in Section VI of this Code.
 - b. The Academic Integrity Committee shall determine and impose sanctions independently of the Judicial Officer.
2. Summary Discipline: a faculty member who has good cause to believe that a student engaged in academic misconduct in connection with a course taught by the faculty member or an examination proctored by the faculty member, or his or her designee may choose to exercise Summary Discipline as outlined below.
 - a. A student's grade in the course, or the assignment or examination affected by

the alleged academic misconduct may be lowered to any extent, including a grade of “F”.

- b. When a faculty member exercises Summary Discipline, the faculty member shall notify the appropriate department chair person of the action. The department chairperson shall notify the affected student in writing of the faculty member’s exercise of Summary Discipline and advise the student of his or her right to appeal the Summary Discipline to the Academic Integrity Committee.
- c. Student Appeal of Summary Discipline: a student may appeal an exercise of Summary Discipline by a faculty member to the Academic Integrity Committee. To initiate an appeal of Summary Discipline, the student must contact the Chair of the Academic Integrity Committee or the Office of Student Judicial and Ethical Programs within five (5) class days of receipt of notification of the summary action.
- d. Multiple Acts of Academic Misconduct: A student who receives more than one “F” as a result of Summary Discipline, may be summoned to appear before the Academic Integrity Committee, and may be subject to additional disciplinary sanctions described in Section VI of this Code.

D. Classroom Misconduct

1. The instructor has ultimate control over classroom behavior and may eject from the classroom any student engaged in disruptive conduct. Disruptive conduct is defined as conduct which may include, but is not limited to, intentional interference with the normal classroom procedure or presentation of the instructor or other student(s) and/or interference with another student’s right to pursue coursework.
2. The instructor shall report the incident to the Office of Student Judicial and Ethical Programs and the department chair. The Judicial Officer will meet with the instructor and the chair to determine the appropriate action before the next class period. If there is disagreement as to readmission, the student will be excluded from the classroom pending a hearing. If there is agreement for readmission, the student will be readmitted subject to disciplinary action (see section V).
3. When it is determined that the student should not be readmitted, or where there is disagreement, the Judicial Officer shall arrange a hearing. The hearing should be before the dean of the college where the incident occurred or a designee, the Judicial Officer or a designee, and a student appointed by the President (a three member committee). The purpose of the hearing will be to determine whether the student will be readmitted to the classroom. The hearing must be conducted within five (5) class days under the procedures set forth in the section entitled “Disciplinary Procedures” of this handbook. An appeal is available to the President of the University.
4. When a student is readmitted and circumstances warrant, the Judicial Officer may initiate formal disciplinary charges as set forth in the section entitled “Disciplinary Procedures” of this handbook.

E. Victim’s Rights

1. Some actions that violate the University rules involve victimization of one or more students by another student(s). This behavior may include acts of theft or damage to property, physical violence, and other acts that endanger the safety of others in the University community. If a student has filed a complaint and is identified as a victim, that student is entitled to certain rights during the disciplinary process.

2. If a complaint is filed with the Office of Student Judicial and Ethical Programs or with the Department of Residence Life, it is important to remember that the accused student is being charged with violating a University rule or regulation; therefore, the University is ultimately responsible for initiating charges, imposition of sanctions if the charged student chooses to admit the violation, implementation of the hearing process, and determination of sanctions following a finding of guilt. Although a victim's input may be sought during the disciplinary process, the ultimate disposition of the case rests with the University. If a victim withdraws his or her complaint during the course of the disciplinary proceeding, the University reserves the right to proceed with the case on the basis of evidence other than the testimony of the victim.
3. During the course of a disciplinary proceeding, victims have the following rights:
 - a. To meet with the Judicial Officer or his or her representative to discuss the disciplinary process.
 - b. To submit a written account of the alleged incident.
 - c. To be advised of the date, time and location of the disciplinary hearing, and to request rescheduling of the hearing for good cause.
 - d. To be accompanied by an advisor of the victim's choosing during the hearing process, although the advisor will not be permitted to speak for the victim during the hearing.
 - e. To testify as a witness during the hearing.
 - f. To decline to testify, with knowledge that such action could result in dismissal of the University's charges for lack of evidence.
 - g. To submit a written impact statement to the hearing panel for consideration during the sanctioning phase of the disciplinary process.

F. Retention of Records

Disciplinary sanctions shall not be made part of the student's permanent academic record, but shall become part of the student's confidential disciplinary record. After five (5) years, a student's confidential disciplinary record will be expunged of disciplinary actions other than residence hall expulsion, University suspension or University expulsion. A student may request after graduating to have his or her disciplinary record expunged upon application to the Office of Student Judicial and Ethical Programs.

VIII. DISCIPLINARY SANCTIONS

The following sanctions may be imposed upon any student found responsible for violating the Code of Student Conduct:

- a. **Warning** - A notice in writing to the student that he/she is violating or has violated institutional regulations.
- b. **Probation** - Probation is for a designated period of time and includes the probability of more severe disciplinary sanctions if the student is found responsible for violating specific and/or any institutional regulation(s) during the probationary period.
- c. **Loss of Privileges** - Denial of specified privileges for a designated period of time. Loss of privileges may include, but will not be limited to, denial of the right to represent the University (as a member of an athletic team or in scholastic competition, for example), a denial of the use of campus facilities, a denial of parking privileges, a denial of participation in extracurricular activities, etc.
- d. **Fines** - Cases involving a violation of the University's alcohol and drug regulations are subject to fines in the following amounts may be imposed:

1. First offense: \$50.00
2. Second offense: \$100.00
3. Third offense: \$125.00

All funds from fines will be used to support the University's alcohol and drug education and awareness programs.

- e. Restitution - Compensation for loss, damage or injury. This may take the form of appropriate service and/or monetary or material replacement.
- f. Discretionary Sanctions - Work assignments, service to the University or other related discretionary assignments (such assignments must have the prior approval of the Judicial Officer).
- g. Residence Hall Suspension - Separation of the student from the residential hall facilities for a definite period of time, Conditions for readmission may be specified.
- h. Residence Hall Expulsion - Permanent separation of the student from the residence halls.
- i. University Suspension - Separation of the student from the University for a definite period of time. Conditions for readmission may be specified.
- j. University Expulsion - Permanent separation of the student from the University.
- k. Interim Suspension - In certain circumstances, the Vice President of Student Affairs or the Judicial Officer may impose a University or residence hall suspension prior to the hearing before a judicial body.
 1. Interim suspension may be imposed only: a) to ensure the safety and well-being of members of the University community or the preservation of University property; b) to ensure the student's own physical or emotional safety; or c) if the student poses a substantive threat of disruption of or interference with the normal operations of the University. In cases involving an interim suspension, the hearing will be scheduled within ten (10) days of the first day of the suspension.
 2. During the interim suspension, students shall be denied access to the residence halls and/or to the campus (including classes) and/or all other University activities or privileges for which the student might otherwise be eligible, as the Vice President of Student Affairs or the Judicial Officer determines to be appropriate.

If after a finding of a violation of the Code of Student Conduct, the judicial body determines that the violator intentionally selected the person or organization against whom the violation was committed, or selected the property that was damaged, because of the race, gender, religion, sexual orientation, national origin or ancestry of that person or persons in the organization or the owner or occupier of that property, the judicial body may impose a more serious sanction.

IX. APPEALS

- a. A decision reached by a judicial body and sanction imposed may be appealed by accused students to the University Appeals Committee within five (5) class days of notification of the decision. Such appeals must be in writing and shall be delivered to the Office of Student Judicial and Ethical Programs.
- b. The University Appeals Committee is a standing committee of the University. There must be at least five (5) members of the committee present, including one chairperson, to constitute a quorum and to hear appeals unless a student voluntarily and knowingly waives the right to a quorum. The Committee shall limit its consideration of the appeal to the issues put forth in the written appeal and may not consider issues

outside the scope of the written appeal. In addition, the Committee, at its discretion, may ask both sides to make an oral presentation before the Committee. The appellee (or student) shall have no right to appear before the Committee without being requested to do so by the Committee.

- c. The Office of Student Judicial and Ethical Programs shall prepare a summary of the proceeding before the original hearing body that may be considered by the University Appeals Committee. The appealing student shall have a right to review the summary and submit a response challenging any statements in the summary. At the request of the Chair of the Committee, the Judicial Officer or his or her designee may attend a hearing of the University Appeals Committee to answer any questions concerning procedure at the original hearing.
- d. Except as stated in Article “c” and as required to explain the basis of new evidence, an appeal shall be limited to review of the record of the initial hearing and/or supporting documents for one or more of the following purposes:
 1. To determine whether the original hearing was conducted fairly in light of the charges and evidence presented, and in conformity with prescribed procedures giving the accused student a reasonable opportunity to prepare and to present a rebuttal of those allegations.
 2. To determine whether the sanction(s) imposed were appropriate for the violation of the Code of Student Conduct which the student or organization was found to have committed.
 3. To consider new evidence, sufficient to alter a decision, or other relevant facts not brought out in the original hearing, because such evidence and/or facts were not known to the person appealing at the time of the original hearing.
- e. The University Appeals Committee, after granting the petition for appeal, shall have the authority to:
 1. Uphold the decision of the hearing body, including any sanction(s);
 2. Uphold the decision of the hearing body, but impose a lesser sanction;
 3. Remand the case to the hearing body for further consideration on the specific issues; or
 4. Reverse the decision of the hearing body.
- f. A student may petition the President for review of the appropriateness of any determination of any judicial hearing body, which has been affirmed or sustained by the University Appeals Committee, including those sustained with modification by the University Appeals Committee, within five (5) working days of notice of the decision of the University Appeals Committee.

X. STUDENT ORGANIZATION DISCIPLINARY PROCEDURES

A. Scope of Regulations

Student organizations are subject to jurisdiction of the University’s judicial system if an alleged violation of the rules and regulations of the University, local, state or federal law or one or more of the following is substantiated.

1. One or more members of the organization commit the alleged offense which is related to the organization.
2. One or more members of the organization commit the alleged offense and organization funds are used to finance the venture.
3. The organization fails to cooperate in the investigation of one or more individual offenders who are members or guests of the organization.

4. The alleged offense occurs in connection with an organization sponsored function. Organizations that violate their governing body rules and regulations will be subject to disciplinary action from their appropriate governing body or judicial branch. In the event no governing body exists for the organization, the Student Government Court will conduct a hearing.

B. Initial Action

1. Violations of University policy shall be reported to the Office of Student Judicial and Ethical Programs. Violations involving organizational governing body rules shall be reported to the Office of Student Involvement and Leadership or the appropriate council and/or advisor.
2. A preliminary conference with organizational officers will be held within 10 class days to determine if formal disciplinary action is warranted by the Office of Student Judicial and Ethical Programs or the Office of Student Involvement and Leadership or his or her designee. Allegations of violations should be reported in writing as soon as possible, preferably within 10 class days of the alleged infraction(s).
 - a. During the preliminary conference, organizational leaders will be allowed to provide their version of the alleged violation and to review and discuss their rights and responsibilities.
 - b. Failure of officers to appear at a conference or formal hearing shall in itself constitute a violation of the Code and may result in a decision being rendered without the input from organizational members.

C. Interim Suspension

The Associate Dean for Student Judicial and Ethical Programs may suspend on an interim basis any or all of the activities of a student organization while the organization is under investigation or engaged in the disciplinary hearing process for alleged violations of University rules and regulations. Student organizations are subject to interim suspension under one or more of the following conditions:

1. When the continued activity of the organization poses a threat of further violations of University rules or regulations and/or state or federal law.
2. When the continued activity of the organizations poses a threat or the creation of a condition, which endangers the health, safety, or property of the University or members of the University community.
3. When the continued activity of the organization poses a threat to disruption of or interference with the normal operations of the University.

Organizations that violate their governing body rules and regulations will be subject to disciplinary action from their appropriate governing body or judicial branch. In the event no governing body exists for the organization, the Student Government Court will conduct a hearing.

D. Charges/Hearings

1. All charges must be presented to the accused organization in writing. Written notices will be mailed or hand delivered to the organization's address on file with the Office of Student Involvement and Leadership.
2. Hearings by the appropriate committee should be conducted within 10 class days after an organization has been charged with a violation(s) of University or organizational governing body rules.

3. Organizations shall be notified of the alleged charge(s) in writing, a minimum of five (5) days prior to the hearing.
4. Organizations can choose to have their case determined by a hearing before an Administrator.

E. Appeals

1. Appeals involving University violations should be submitted to the Assistant Vice President for Student Affairs/Dean of Students. Appeals involving organizational governing body rules should be submitted to the appropriate governing body.
2. Appeals must be submitted in writing to the appropriate office within five (5) class days of the receipt of the determination.
3. The Assistant Vice President for Student Affairs/Dean of Students and the appropriate governing body will have 10 working days to respond to the appeal.
4. Grounds for appeals are limited to newly discovered evidence that was not presented at the hearing or if the evidence could not have been discovered prior to the hearing, procedural errors, or that the sanction is disproportionately severe. After granting the petition for appeal, the Assistant Vice President for Student Affairs/Dean of Students and the Associate Dean for Student Involvement and Leadership shall have the authority to:
 - a. Uphold the decision of the hearing body, including any sanction(s).
 - b. Uphold the decision of the hearing body, but impose a lesser sanction.
 - c. Remand the case to the hearing body for further consideration on the specific issues.
 - d. Reverse the decision of the hearing body.

F. Sanctions for Student Organizations

1. **Educational Sanctions.** Sanctions specified by the Associate Dean including, but not limited to, alcohol awareness programs, risk management programs, community service, letters of an apology, education workshop, essays or research papers.
2. **Written Reprimand.** A written statement of disapproval delivered to the organization.
3. **Restrictions.** Restrictions of some or all of the organization's activities or privileges including, but not limited to, social and recruitment privileges.
4. **Community Service.** Assignment to work a specific number of hours at a community service agency designated by the Associate Dean.
5. **Probated Suspension.** Warning that a finding of responsibility for violations of the University's Code of Student Conduct will result in suspension.
6. **Suspension of Registration.** Temporary severance of the organization's relationship with the University for a specific period of time. The period of time of the suspension and any requirement imposed must be satisfied prior to re-registration. All conditions of reinstatement must be specified in the organization's decision letter.
7. **Expiration of University Recognition.** Permanent severance of the organization's relationship with the University.
If an alleged violation may result in suspension of registration or expulsion of University recognition, an organization may request a hearing conducted in accordance with the contested case provisions of the Tennessee Uniform Administrative Procedures Act.

SEXUAL ASSAULT

What Acts are considered sex offenses?

According to Tennessee law, sex crimes involve the use of force or coercion to sexually touch or sexually penetrate the victim's body. Threats of death or use of a weapon increases the severity of legal charges. Sex crimes can be prosecuted even if the victim knew the attacker, the victim did not fight back, the victim had sex with the attacker before being raped, or the victim was drunk or unconscious.

What should I do if I'm sexually assaulted?

Seek medical attention immediately. Do not shower, change clothes or disturb the scene of the attack. Go to the emergency room or call the Memphis Sexual Assault Resource Center (272-2020). Ask a friend to go with you, if possible. Medical personnel will treat the physical consequences of assault, such as injury, infection, disease and pregnancy. They can collect evidence that will be needed if you report the crime. They are required to contact local law-enforcement agencies; however, you may choose whether to speak with police personnel. You may choose to report the crime through several means.

Individuals at the Memphis Sexual Assault Resource Center (272-2020), the Office of Student Judicial and Ethical Programs (678-2298), Police Services (678-4357), or the Center for Student Development counselors (678-2068) can talk with you about your decision to report the crime, help you find the resources you need, and respond to requests to change your academic or living situation because of the attack. Several community counseling services available to victims of sexual assault are listed in the Memphis Yellow Pages, under "Counseling". Remember, there is no shame in being raped. Whether or not legal charges are filed, students accused of sexual abuse or assault are subject to disciplinary actions from the University, including suspension or other sanctions deemed appropriate. Both the accuser and the accused are entitled to have an advisor present during the disciplinary proceedings, and both will be informed of the outcome of the proceedings.

How does the University educate students and staff about sex offenses?

The offices and agencies listed above have information or referrals for rape awareness and prevention. In addition, the Center for Student Development, Student Health Services, and the Crime Prevention Unit of Police Services offer workshops, speakers, and programs on sexual assault education; participate in the Sexual Assault Awareness and Prevention and Campus Acquaintance Rape Education Programs; provide counseling for students; and distribute brochures on dating.

MEDIATION

Purpose

The mediation process provides an alternative to the formal hearing process. It is intended to allow the two people involved in an alleged sexual assault to discuss their respective understandings of the incident with the assistance of a trained mediator. Mediation is designed to encourage each person to speak directly with the other and to accept personal responsibility where appropriate. Its goal is to facilitate the resolution of the incident to the satisfaction of both persons involved.

Filing a Complaint

Any student considering herself or himself a victim of sexual assault by another student at The University of Memphis may choose mediation as one alternative for confronting an alleged perpetrator. Requests for mediation should be filed with the Judicial Officer. Because both parties must voluntarily enter into mediation, the Judicial Officer will work with both parties to determine their willingness to participate in mediation and to verify that mediation is their choice among the alternatives provided by the University's student disciplinary system.

Assignment of a Mediator

Once both parties have agreed to mediation, the Judicial Officer will assign an experienced mediator to the case. Either party may challenge the choice of a mediator for cause, and the Judicial Officer may then choose to assign a different mediator. The mediator will contact both parties to set the date, time, and location of the mediation session(s). The Judicial Officer will assign a mediator within two (2) weeks of the agreement to participate in mediation, and the mediation session(s) should be completed within three (3) weeks of the assignment of the mediator.

The Mediation Process

The only parties who will be present at the mediation session(s) will be the two (2) persons directly involved in the incident and the mediator. During the mediation process the mediator will:

1. ask the parties to relate their respective versions of the incident in question, including both factual information and their feelings;
2. identify key issues that emerge in the first step and make these known to both persons;
3. seek the agreement of both parties on the issues as they have been identified or as they need to be modified;
4. facilitate discussion between the two parties to consider each issue more completely and generate solutions for each; and
5. work with both parties to develop a written document that will include a statement of agreement on each issue.

Mediation Outcome

The statement of agreement shall become a part of the contract that both parties will sign at the completion of the mediation process. Any activity or behavior that either party has agreed to perform following the mediation shall be included in the contract. Any outcome of mediation must be agreed to by both parties. The contract shall be kept on file in the Office of Student Judicial and Ethical Programs. The signed agreement will be forwarded to the Judicial Officer for certification. Once approved, violation of the agreement by either party may result in the imposition of disciplinary sanction(s), including suspension from the University. If either party believes that the terms of the agreement have been violated, he or she may advise the Judicial Officer, and the Judicial Officer shall investigate the alleged violation. The student accused of the violation may request a hearing of the alleged violation before the Judicial Officer. If the alleged violation is proved, the Judicial Officer shall impose disciplinary sanction(s) against the violator.

Appeal

Because participation in the mediation process is entirely voluntary and the final result is a product of mutual agreement, the outcome of mediation, including the terms of the mediation agreement, is not appealable. A finding of a violation of the mediation agreement is appealable to the University Appeals Committee pursuant to the procedure outlined in Section VII of the Code of Student Conduct.

Alternative Procedures

If either party is dissatisfied with the mediation process at any step prior to the signing of a written agreement, that party may request that the mediation process cease. Once the mediation process for a particular incident has been discontinued, it cannot be reinitiated. The sexual assault charge may be pursued by the complainant within the University discipline system as provided for in the Code of Student Conduct.

Confidentiality

In order to promote honest, direct communication between the parties themselves and the mediator, and to facilitate the completion of agreed-upon terms, all information shared in the mediation process must remain confidential. In the event that a hearing is requested after some part of the mediation process has taken place, information disclosed during the mediation process may be admitted in the University's investigation or hearing processes only by the party who made the original disclosure. The Office of Student Judicial and Ethical Programs will maintain copies of the original complaint, the mediation agreement, and any documentation concerning completion of the original complaint, the mediation agreement, and any documentation concerning completion of the agreed-upon activities or behavior. Other records generated during the mediation process will be destroyed.

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Special Awards

The Maria Leonard Scholarship Award is presented annually by Alpha Lambda Delta, national scholastic honor society, to the senior member of the society with the highest academic average.

The Golden Key National Honor Society presents annually two scholarships to junior and senior members of the local chapter who have excelled in scholarship, leadership and participation in activities.

Phi Kappa Phi Scholarship Awards are presented annually to five undergraduate and graduate members who demonstrate high scholastic ability and excellent leadership, who provide meaningful service to the University, and who will continue their studies at the University.

The David A. Collins-Omicron Delta Kappa Leadership Scholarship Award is presented to a member of the U of M Circle who will continue studies at the graduate level, who has shown responsible and effective leadership, who has made significant contributions to the student body, and who inspires and encourages others to use their leadership talents for the benefit of their peers.

The Honors Program Director's Award is presented to an honors student for outstanding academic performance in an honors curriculum.

The Jimmy Carter Presidential Award for Volunteerism is presented to that student who best exemplifies the spirit of volunteerism and action that helps alleviate human need.

The Joseph R. Riley Student Service Award is presented for outstanding service to the Honors Program and the Honors Student Association.

The Samuel T. Boswell Student Leadership Award is presented in recognition of outstanding leadership in campus issues and activities, example set for peers, the display of personal and political courage, and/or community involvement.

The Rosetta I. Miller Award is presented to the outstanding woman student who has returned to college despite significant hardships.

Greek All-Sing Follies Scholars Merit Awards: Scholarships of \$250 each are awarded annually by the Interfraternity Council to the pledge/associate from the previous fall or spring semester who attained the highest grade point average, and to the fraternity member with the highest grade point average over the past two consecutive semesters.

The Women's Panhellenic Council annually awards one \$250 scholarship to the sorority member who has attained the highest scholastic average. In addition, a Pledge Scholarship in the amount of \$250 is awarded to the fall semester pledge who attained the highest average for the semester.

Two Panhellenic Council scholarships are awarded each spring to the PHC fraternity man and sorority woman who have obtained the highest cumulative grade point average for the previous year. Awards are in the amount of \$250 each.

The Women's Intercollegiate Athletics Scholar Award is presented annually to the woman athlete who has maintained the highest grade point average while at the University.

The Elma Roane Outstanding Woman Athlete Award is presented to the junior or senior woman athlete who best exemplifies the following qualities: drive, enthusiasm, determination, concern for others, love for athletics, maturity, involvement in campus activities, and self discipline in all aspects of life.

Campus Recreation and Intramurals Awards are presented annually to the intramural Greek, intramural Independent Resident, Panhellenic Manager of the Year, and Outstanding Official of the Year who show leadership and interest in the intramural

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The College of Arts and Sciences Awards

THE COLLEGE OF ARTS AND SCIENCES DEAN'S AWARD FOR OUTSTANDING UNDERGRADUATE STUDENT is presented to a student who has displayed outstanding academic achievement, as well as strong leadership, character, scholarship, and contribution to department and campus activities.

THE DEPARTMENT OF ANTHROPOLOGY presents the Outstanding Anthropology Senior Award to the student with the most outstanding record of academic achievement in the major. The department also presents the Outstanding Anthropology Student Service Awards to the graduating student with the most outstanding record of contributions to service and engaged outreach.

THE BIOLOGY FACULTY AWARD is presented to the undergraduate student who makes the most significant contribution to the department.

THE DEPARTMENT OF CHEMISTRY presents the Outstanding General Chemistry Student award to the student in Principles of Chemistry who has demonstrated outstanding leadership ability and scholastic achievement.

THE DEPARTMENT OF CRIMINAL JUSTICE annually presents the *Mu Sigma Chi* Professional Criminal Justice Award to the student of Criminal Justice deemed outstanding in professional activities.

THE DEPARTMENT OF ENGLISH offers several awards:

- The Distinguished Scholarship Award presented each year to the English major whose work demonstrates an unusually high order of academic excellence.
- Honors Thesis Award presented in recognition of the outstanding honors thesis by a student in the English Honors Program.
- Giem and Collins Writing Contest presented for excellence in student writing produced in freshman and sophomore English courses.

THE DEPARTMENT OF EARTH SCIENCES annually presents the Outstanding Senior Award to a senior in Geology exhibiting scholarship, leadership and service. The department also presents each year the Paul H. Sisco Award to the outstanding senior Geography major.

THE DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURES presents the Outstanding Foreign Language Student of the Year award to a major who has consistently excelled in the discipline.

FRENCH GOVERNMENT ASSISTANTSHIPS: The French Government through the French Embassy in The United States, on the recommendation of the French Section of the Department of Foreign Languages, each year awards one or more assistantships in France for the teaching of English in secondary schools.

THE DEPARTMENT OF HISTORY annually presents the Tennessee Historical Commission Award to that senior student of History judged by the faculty to be the outstanding History major. The department also presents an award for the outstanding paper presented by an undergraduate.

THE INTERNATIONAL STUDIES PROGRAM Outstanding Senior Award is presented to the student with the most outstanding record of academic achievement in the major.

THE DEPARTMENT OF MATHEMATICAL SCIENCES annually presents the R. P. Clark Memorial Award to an outstanding junior.

THE DEPARTMENT OF PHILOSOPHY OUTSTANDING STUDENT AWARD is presented to a student in Philosophy chosen on the basis of high scholastic achievement, papers written, and performance in senior honors seminars.

THE DEPARTMENT OF PHYSICS each year presents the Outstanding Student Award to the most distinguished senior Physics major.

THE DEPARTMENT OF POLITICAL SCIENCE presents the Outstanding Student Award each year to the graduating senior majoring in Political Science who has compiled the best record of academic achievement in the discipline. Also The John W. Burgess Award is presented for meritorious achievement in Political Science, and the Pre-Law Award is presented to the political science major whose pre-law studies demonstrate high promise for a distinguished legal career.

THE DEPARTMENT OF PSYCHOLOGY presents annually The Dr. Milton C. Addington Award for Excellence in Psychology to the senior Psychology major exhibiting the most individuality, interest, initiative, integrity, creative ability and originality.

THE DEPARTMENT OF SOCIOLOGY annually presents The Jerry Michel Outstanding Student Award to the senior student judged to be the outstanding Sociology major.

ALPHA EPSILON DELTA, the health pre-professional honor society, annually presents the Student of the Year Award to the member who has demonstrated outstanding leadership, loyalty, and responsibility.

THE CHI BETA PHI SCIENCE AWARDS are presented to students who have attained the

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highest academic average during their four years of study in each of the following disciplines:
Biology, Chemistry, Geology, Mathematical Sciences, Physics, and Psychology.

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The Fogelman College of Business and Economics Awards

Dean's Award for Most Outstanding Student is presented to an outstanding student who has displayed strong leadership, outstanding character, scholarship, and who is active in department and campus activities.

School of Accountancy Outstanding Graduate Award is presented to the graduating student who has the highest overall scholastic average among all Accountancy majors.

The Tennessee Society of Certified Public Accountants Award, Memphis Chapter, is presented annually to the graduating student who has the highest overall scholastic average among all Accountancy majors.

The Outstanding Economic Undergraduate Student Award is presented by the Department of Economics to a junior or senior Economics student with the highest grade point average. A similar award is presented to the graduate student in Economics.

The Memphis Chapter of The Society of Chartered Property Casualty Underwriters annually awards a check and a plaque to the outstanding student in the field of insurance.

Academic Excellence Award for the Department of Management is presented annually to the B.B.A. graduate in Management of the past year with the highest scholastic achievement.

Academic Excellence Award for the Department of Management Information Systems and Decision Sciences is awarded to the B.B.A. graduate of the previous year with the highest scholastic achievement.

Outstanding Undergraduate Marketing Student is presented to a graduating student with outstanding scholastic achievement and service to the department, University, and community.

Outstanding Undergraduate Logistics/Marketing Major is presented to a graduating student with outstanding scholastic achievement and service to the department, University, and community.

Outstanding Undergraduate Marketing Management Major is presented to a graduating student with outstanding scholastic achievement and service to the department, University, and community.

Outstanding Undergraduate Sales Major is presented to a graduating student with outstanding scholastic achievement and service to the department, University, and community.

Crawford Delta Sigma Pi Award is awarded annually to an outstanding pledge member of the Delta Sigma Pi Fraternity who has demonstrated creative leadership skills and outstanding scholastic ability.

Delta Sigma Pi, international business fraternity annually awards a scholarship key to the student in The Fogelman College of Business and Economics graduating with the highest academic average in business.

The Union Planters/U of M Fogelman College Alumni Chapter Scholastic Achievement Awards are awarded each semester to three graduating seniors in recognition of their outstanding scholastic achievement in the college. Award includes a check and their names inscribed on a plaque.

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The College of Communication and Fine Arts Awards

Dean's Academic Achievement Award is available to a student majoring in a discipline within the College of Communication and Fine Arts. It recognizes the graduating student with the highest grade point average.

Dean's Creative Achievement Award is based on outstanding creative activity in the areas encompassed by the College of Communication and Fine Arts.

Creative Achievement in Art is awarded annually by the Art Department for outstanding creative achievement in art to a senior majoring in Art. A cumulative GPA of at least 3.0 is required.

"Best of Show Award" Juried Student Exhibition is awarded annually to the student whose work is judged "Best of Show" in the Annual Juried Student Exhibition.

Thesis Award in Art History is presented in recognition of an outstanding masters thesis in Art History.

Art History Graduate Award is presented annually to a graduate student for outstanding initiative and research.

Art History Undergraduate Award is presented annually to an undergraduate student for outstanding work in Art History.

Society of Professional Journalists, Memphis Chapter, annually presents a certificate of achievement and a cash award to the student chosen as outstanding in the field of Journalism.

Society of Professional Journalists, Sigma Delta Chi Mark Of Excellence Awards, Arkansas, Louisiana, Mississippi, West Tennessee Region, annually presents first place awards for Best TV Broadcasting, Best Editorial Cartoon, Best Feature Article, and Best Photography Feature.

Sigma Alpha Iota College Honor Award is an award based on musicianship, scholarship, and general contribution to the collegiate chapter.

Sigma Alpha Iota Honor Certificate is presented annually to the graduating senior of this chapter having attained the highest academic average.

Paul Eaheart Memphis Woodwind Quintet Scholarship is presented in honor of Paul Eaheart for excellence in wind performance.

Lubrani Clarinet Award, in memory of Professor Frederic Lubrani, is presented for clarinet performance ability, general scholarship, service to the Rudi E. Scheidt School of Music, and potential in the profession.

Smit Composition Award is presented in memory of Professor Johannes Smit for excellence in composition.

Hearst Awards are presented as the result of an annual national Writing, Broadcasting, and Photography competition among accredited journalism programs for work appearing in student publications. Cash prizes range from \$200 to \$2,000 with matching awards going to sponsoring journalism departments.

Hohenberg Foundation, Inc. Dance Award is presented annually to a student pursuing a Bachelor of Fine Arts degree with a concentration in Dance. The recipient must have at least a 2.5 GPA.

Art Center Supply Award is given annually to a sophomore, junior, or senior majoring in Graphic Design. Selection is based on portfolio and academic performance.

Memphis-Germantown Art League Award is presented annually in the spring to an undergraduate Art major who has demonstrated exceptional artistic abilities in any

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discipline within the Department of Art.

University Bookstore Supply Award is given annually to an undergraduate Art major. Selection is based on portfolio and academic performance.

The **Linn Sittler Theatre Award** is presented to an outstanding Theatre student with a minimum GPA of 3.0.

The **Saul Brown Award** is given to a Journalism major concentrating in news writing. Saul Brown retired from the Memphis Press-Scimitar in 1980 as the newspaper's chief photographer. Selection for the award is based on talent, skill, and a student's promise as a journalist as demonstrated by his or her articles and/or photographs.

The **Kappa Tau Alpha Award** is given to the member of Kappa Tau Alpha Journalism honor society who has achieved the highest academic average.

The **MTNA Student Achievement Award** is given by the Music Teachers National Association annually to a music student for excellence in studio teaching.

The **Raymond Lynch Oboe Award** established to recognize the distinguished career of the former oboe teacher and associate dean of the College of Communication and Fine Arts, Dr. Raymond Lynch, is given annually to an outstanding oboist.

The **Harold Streibich Award**, established in memory of Att. Harold Streibich recognizes an outstanding Music Business student.

Belle Melodies Scholarship Award is sponsored by St. Mary's Episcopal School in support of a Recording Technology student.

Phi Kappa Lambda Academic Achievement Award is presented to the senior music student with the highest GPA.

Excellence in Design Award is given annually to an undergraduate architecture or interior design student selected by a vote of the faculty. Nominations are submitted from each architecture and interior design studio faculty member.

Excellence in Design Award is given annually to a graduate architecture student selected by a vote of the faculty. Nominations are submitted from each architecture graduate design studio faculty member.

ARCC Jonathan King Medal is awarded annually to a graduating architecture or interior design student based upon nominations and a vote of the department faculty. The Architectural Research Centers Consortium offers one medal per school of architecture and design internationally. The medal acknowledges innovation, integrity, and scholarship in architectural and/or environmental design research.

Alpha Rho Chi Bronze Medal is awarded to the undergraduate architecture or interior design student whose academics, leadership, and service best represent the ideals of Alpha Rho Chi, the national co-ed fraternity for architecture and the allied arts, as voted upon by the department faculty. Winners need not be a member of APX but must have completed third year undergraduate classes.

Creative Achievement Award is given annually to the architecture or interior design student whose overall body of work best represents the Department of Architecture and its mission. Nominations are submitted and voted upon by the department faculty.

Graduate Thesis Award is presented to a Master of Architecture student in recognition of the most outstanding graduate thesis completed during the academic year. The award is based on a vote of the department faculty.

Honors Thesis Award is presented to a Bachelor of Fine Arts in Architecture or Bachelor of Fine Arts in Interior Design student in recognition of the most outstanding University Honors/Department of Architecture Honors thesis completed during the academic year. The award is based on a vote of the department faculty.

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The College of Education, Health and Human Sciences

Eleanor Mae Ferguson Award is presented each year to the outstanding junior or senior woman Physical Education major who displays strong leadership, outstanding character, and high scholarship and who performs an active role in departmental and campus activities.

Ralph Hatley Sr. Award is presented to the outstanding junior or senior male Physical Education major who displays strong leadership, outstanding character, and high scholarship and who performs an active role in departmental and campus activities.

The Department of Health and Sport Sciences Outstanding Senior In Sport and Leisure Studies Award is presented annually in recognition of meritorious scholarship, leadership and service to the University, the community and the profession.

The Department of Health and Sport Sciences Outstanding Graduate Student Award is presented annually in recognition of meritorious scholarship, leadership and service to the University, the community and the profession.

The Department of Health and Sport Sciences Outstanding Senior In Health and Human Performance Award is presented annually in recognition of meritorious scholarship, leadership and service to the University, the community, and the profession.

The Department of Instruction and Curriculum Leadership Outstanding Senior Award is presented annually to an outstanding senior majoring in Special Education and Rehabilitation who displays strong leadership, outstanding character and scholarship and takes an active role in departmental and campus activities.

The Frank Dyer, Jr. Kappa Delta Pi Junior Academic Achievement Award is presented annually to the junior having the highest grade point average.

The John R. Petry Kappa Delta Pi Senior Academic Achievement Award is presented annually to the senior having the highest grade point average.

The Department of Consumer Science And Education Outstanding Senior Award is presented each year to the graduating senior in the department with the highest academic average.

The Marquita L. Irland Scholars Award is presented annually to a graduate with outstanding contributions in the areas of leadership, service to the community, to the profession of family and consumer sciences, and scholarship.

The Memphis Education Association Award is presented each year to the graduating senior who, having graduated from the Memphis City Schools System and completed all college level work in a teacher education program at the University, has attained the highest grade point average of the students in this category.

The Heber E. Rumble Outstanding Student Teacher Award is presented each year to the student whose performance in student teaching is judged to be the most outstanding.

The Department of Instruction and Curriculum Leadership Outstanding Early Childhood Major Award is presented annually to the Early Childhood Education major who has demonstrated outstanding scholarship, involvement in professional organizations, and professional potential.

The Department of Instruction and Curriculum Leadership Outstanding Elementary Education Major Award is presented annually to the Elementary Education major who has demonstrated outstanding scholarship, involvement in professional organizations, and professional potential.

The Department of Instruction and Curriculum Leadership Outstanding Master's

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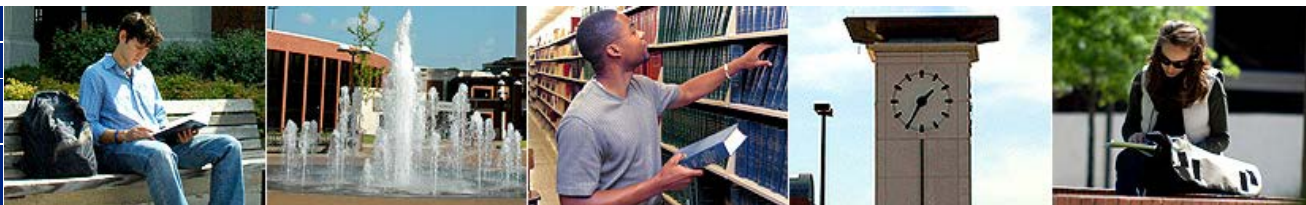
Degree Candidate Award is presented to the master's candidate who has demonstrated outstanding scholarship, involvement in professional organizations, and professional integrity.

The **Dean's Award** is presented annually on the basis of scholarship, professionalism, leadership, and service to the College of Education, Health and Human Sciences, the University, and/or professional organizations.

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The Herff College of Engineering Awards

Outstanding Senior Awards in the College of Engineering are presented to the outstanding senior, based on scholarship, in each of the following departments: Electrical Engineering, Mechanical Engineering, and Engineering Technology.

Outstanding Student Member of IEEE is presented an award by The Institute of Electrical and Electronics Engineers, student chapter.

The **Thomas S. Fry Award** is presented annually to the graduating Civil Engineering student who has demonstrated outstanding academic achievement.

The **T. S. Wu Design Award** is presented annually to the graduating Civil Engineering student who has demonstrated outstanding design capability throughout the curriculum.

Associated General Contractors Award is presented annually by the student chapter for outstanding achievement.

Fred H. Kellogg Award is presented annually to the outstanding student in Civil Engineering that is most likely to be an outstanding professional engineer.

Ashrae Award is presented annually to the outstanding junior in Mechanical Engineering.

Engineering Dean's Award is presented annually to the graduating student who has compiled the highest academic achievement in the college.

Engineer-In-Training Award is presented to the student who achieves the highest score on the Fundamentals of Engineering examination, which is the first step in becoming a registered engineer.

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The Loewenberg School of Nursing Awards

Highest Academic Achievement Award is presented annually by the University of Memphis Nursing Alumni Association to the graduating senior in nursing who has the highest overall scholastic average.

Outstanding Student Award is presented annually to the graduating senior in Nursing who best demonstrates academic achievement, leadership and professionalism.

Outstanding Foundations Nursing Student Award is presented annually to a student who has completed the Foundations of Nursing course and who demonstrated excellence in clinical competency in providing nursing care.

Outstanding Adult Health & Psychiatric/Mental Health Nursing Student Award is presented annually to a student who has completed the Adult Health Nursing and Psychiatric/Mental Health Nursing courses and who demonstrated excellence in clinical competency in providing nursing care.

Outstanding Maternal/Child Health Nursing Student Award is presented annually to a student who has completed the Nursing Care of the Expanding Family and Child Health Nursing courses and who demonstrated excellence in clinical competency in providing nursing care.

Outstanding Advanced Adult Health Nursing Student Award is presented annually to a student who has completed Advanced Adult Health Nursing course and who demonstrated excellence in clinical competency in providing nursing care.

Outstanding Community Health Nursing Student Award is presented annually to a student who has completed the Community Health Nursing course and who demonstrated excellence in clinical competency in providing nursing care.

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University College Awards

Distinguished Special Project Award is presented to each student whose special project has been judged outstanding by the Faculty Council of University College.

Faculty Council Award is presented to the graduating senior, each commencement, who has earned the highest overall grade point average.

Dean's Award for Special Achievement is given to honor University College graduates who have demonstrated academic achievement, leadership, professional and/or social commitment, and determination to complete a baccalaureate program.

Academic Achievement Award is given to University College baccalaureate graduates who have demonstrated academic excellence and scholarly potential.

Alma Bucovaz Award for Urban Studies in the University College is presented to a junior or senior with an approved baccalaureate program that addresses urban problems and seeks to ameliorate urban needs.

Bornblum Judaic Studies Award is presented to students who have excelled in the study of Hebrew Language and/or Judaic Studies.

The Legal Research Award is given annually to the paralegal student demonstrating exceptional mastery of the principles of legal research and writing.

Outstanding Distance Education Student Awards are presented each year to the students (one undergraduate and one graduate) who, while taking courses away from the main campus, have demonstrated unusual commitment and scholarly endeavor in the pursuit of continuing their education. Consideration for the award may include grade point average, unusual family commitment, service to peers, ability to balance scholarly pursuit with work, family, and community service, and unusual service to U of M or Extended Programs.

Outstanding Paralegal Student Award presented to a student seeking a Bachelor of Professional Studies degree in Paralegal Services who has demonstrated academic achievement, leadership, professional and/or social commitment, and dedication to the paralegal profession and the university.

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Department of Aerospace Studies Awards

The President's Award is presented annually to the senior AFROTC cadet who has demonstrated outstanding attributes of leadership and high moral character. Selection is made by AFROTC, with final approval by the university president.

Angel Of The Year Award is presented to the member of Angel Flight who has given the most in service to the campus and the community.

Arnold Of The Year Award is presented to the member of Arnold Air Society who has given the most in service to the campus and the community.

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Department of Military Science Awards

Soldier's Medal is awarded to cadets who distinguish themselves by an act of heroism at advanced camp.

ROTC Medal for Heroism is awarded to cadets who distinguish themselves by an act of heroism performed on or off campus.

The **President's Award** is presented annually to the U of M senior cadet who has demonstrated outstanding attributes of leadership and high moral character. Selection is made by the department chair with final approval by the University president.

George C. Marshall ROTC Award is presented annually to the U of M senior cadet who has demonstrated outstanding leadership and scholastic qualities.

Hughes Trophy Award is presented annually to the cadet who is recommended by the professor of military science and the dean as the most outstanding commissioned graduate based upon officer potential and academic leadership.

Pallas Athene Award is presented annually to the most outstanding graduating female cadet.

National Defense Transportation Association Award is presented annually to the most outstanding senior cadet who is recommended by the professor of military science and the dean as being in the top twenty five percent of the ROTC and academic class and who possesses an interest in the Transportation Corps.

Armed Forces Communications Electronics Association Honor Award is presented to a senior cadet majoring in Math, Chemistry, Physics, Engineering, or Photography who is active on campus or academically distinguished and has demonstrated outstanding qualities of military leadership and high moral character.

Alden Patridge Commemorative Award is presented to the top graduating Science or Engineering student in the Army ROTC program.

Distinguished Military Student/Graduate Award is presented annually to senior cadets who are in the upper third of the ROTC class and upper half of the University class who are active on campus, are outstanding leaders, and possess an aptitude for military service.

Department of the Army Superior Cadet Decoration Award is presented annually to outstanding junior and senior cadets who have demonstrated academic leader qualities in scholastic and related activities and officer potential, and who are in the top twenty five percent of their ROTC and academic class.

American Legion General Military Excellence Award is presented annually to the outstanding cadet who has demonstrated qualities in military leadership, discipline, character, and citizenship, and is in the top twenty five percent of ROTC and academic class.

American Legion Scholastic Excellence Award is presented annually to the outstanding junior and senior cadets who have demonstrated qualities in leadership and actively participated in student activities. and who are in the top twenty five percent of their ROTC class and the top ten percent of their academic class.

Society of American Military Engineers Award is presented annually to the junior and senior cadets who are recommended by the professor of military science and the Dean as being in the top twenty five percent of the ROTC and academic class and the outstanding Engineering students of the year.

Association of the United States Army Award is presented to the junior who contributes the most, through leadership, to advancing the standing of the Military Science Department while in the top twenty five percent of the ROTC class and top ten

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percent of the academic class.

American Defense Preparedness Award is presented annually to the junior cadet who demonstrated outstanding leader qualities and participated actively in campus activities, placed in the top twenty percent of the platoon at Advanced Camp, received a B or above in all ROTC classes, and is in the upper half of the academic class.

Armed Forces Communications Electronics Association Scholarship Award is presented to Basic Course students accepted to the Advanced Course who are of high moral character, in the top twenty five percent of their academic class, and in need of financial assistance in completing a degree in Electrical Engineering or Technical Photography.

Daughters of the Founders and Patriots of America Award is presented annually to a freshman or sophomore cadet who is in the top twenty five percent of the ROTC class and has demonstrated excellence in history, the potential for good leadership, and related accomplishments reflecting the ideals of patriotism.

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Department of Naval Science Awards

Trident Honor Society Award is presented to outstanding Naval midshipmen who have demonstrated the highest caliber of academic excellence.

NROTC Awards

President's Award is presented annually by the University president to a graduating senior who demonstrates outstanding attributes of leadership and high moral character.

Navy League of Memphis Honor Sword Award is presented to the Naval Graduate selected as the one Midshipman of the graduating class who has consistently demonstrated the highest leadership ability throughout the program.

Reserve Officers Association is presented annually to the outstanding freshman, sophomore, junior, and senior who have demonstrated above average scholastic achievements, exceptional mastery of previous Naval Science courses, and superior potential for commissioned service.

The Retired Officers Association Award is presented to the outstanding junior who has demonstrated above average scholastic achievement, high moral character and exceptional potential for military leadership.

American Defense Preparedness Association Award is presented annually to an outstanding senior whose scholastic achievements are in the top half of the class and in the top one-fifth of NROTC enrollment at the University, who has shown active participation in athletics or campus activities and demonstrated outstanding leadership qualities.

Society of the War of 1812 Award is presented annually to an outstanding sophomore whose scholastic average is within the upper quarter of the class, and who demonstrates the ideals of Americanism.

Sons of the American Revolution Medal is presented annually to an outstanding freshman who has demonstrated leadership, military bearing and all around excellence in NROTC program studies and activities.

National Sojourners Award for Americanism is presented annually to a sophomore or junior who has demonstrated the ideals of Americanism, outstanding scholastic achievements and the potential to be an outstanding leader.

American Legion ROTC General Military Excellence Award is presented annually to one freshman, sophomore, and junior, each of whose scholastic achievements are in the top quarter of the class and who have demonstrated outstanding qualities in military leadership, discipline, character and citizenship.

American Legion ROTC Scholastic Excellence Award is presented annually to a freshman, sophomore, junior, and senior, each of whose scholastic achievements are in the upper ten percent of the University and who have demonstrated high qualities of military leadership.

Military Order of the World Wars Medal is presented to a freshman, sophomore, junior, and senior who each have demonstrated marked improvement in military scholastic achievements.

Veterans of Foreign Wars Award is presented annually to a freshman, sophomore, junior and senior who each have demonstrated achievement and concentrated effort in Naval Science and academic subjects and demonstrated capability and diligence in the Naval ROTC program.

Daughters of the American Revolution Award is presented annually to a graduating senior whose scholastic achievements are in the top quarter of the class and who has demonstrated qualities of dependability, good character, adherence to military

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discipline, leadership ability and a fundamental and patriotic understanding of the importance of the ROTC program.

Daughters of the American Revolution Certificate is presented annually to a junior who best exemplifies the qualities of dependability, good character, adherence to military discipline, leadership ability and a fundamental and patriotic understanding of the importance of the ROTC program.

Daughters of Founders and Patriots of America Award is presented annually to an outstanding sophomore or freshman who demonstrates qualities of dependability, good character, discipline, leadership, and patriotism.

Military Order of Foreign Wars Medal is presented annually to an outstanding freshman, sophomore, and junior who each have demonstrated discipline, good character, and leadership ability.

American Veterans of World War II, Korea, and Vietnam Medal is presented annually to an outstanding freshman with superior standing in military and academic subjects.

Naval Institute Leadership Award is presented annually to a graduating College Program student, Officer Candidate, and Marine Enlisted Commissioning and Education Program student who each have demonstrated outstanding potential for Naval leadership.

General Dynamics Award is presented annually to a Midshipman, Officer Candidate, and Marine Enlisted Commissioning and Education Program student who each have demonstrated outstanding leadership ability.

Armed Forces Communications and Electronic Association Award is presented to Midshipmen of good moral character, who are in the top fourth of their class, working toward a degree in electronics, communications, electrical engineering, mathematics, computer technology or intelligence systems, and who need financial assistance.

Armed Forces Communications and Electronic Association Honor Certificate is presented annually to a junior who has demonstrated high achievement in leadership and in academics and is academically strong in electronics, communications, electrical engineering, mathematics, computer technology or intelligence systems.

Naval Submarine League Award is presented annually to the graduating senior who has demonstrated superior leadership ability and academic aptitude for entry into the Submarine Warfare Community.

Marine Corps Association Award is presented annually to the graduating Marine-option Midshipman or Marine who best exemplifies the leadership qualities and professionalism of a Marine officer.

Mariner of the Year is presented annually by the Naval Science Department to a member of the Mariners who has given most in service to the department, University, and community.

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Non-Traditional Freshman Admission Requirements

GED Applicants (under the age of 21)

Students who have successfully completed the General Education Development (GED) Test must have official scores sent to the Office of Admissions. GED applicants who apply for admission will be reviewed by the standing internal admissions committee. GED applicants (under 21 years of age) must take the national ACT exam or the ACT residual exam (ACT exams used for admission must be less than 3 years old). The minimum GED score that will be considered is 450 (or 45 on exams prior to the revision). GED applicants must submit a statement of academic and career goals. Emphasis should be placed on experiences that the applicant has had since leaving high school that they believe will make them a successful college student (e.g. military, successful vocational training, etc.).

Homeschooled Applicants

Graduates of home schools must comply with state law by submitting proof of registration with the local education agency which the child would otherwise attend. This documentation must be submitted in addition to the high school transcript.

The score report of the American College Testing program (ACT) or the Scholastic Aptitude Test (SAT): The score report is a necessary part of the application and the test date should be no more than three years old at the time of enrollment.

Applicants who are offered admission with the enhanced ACT English, reading or math subscores less than 19, or the equivalent on the former ACT, will be required to take special basic/developmental courses to develop academic competencies necessary for success in college level courses. Students without valid ACT/SAT scores and without college level credit in math or English will be required to take the COMPASS test in the appropriate areas. Students who feel they have been misplaced by their ACT/SAT scores are encouraged to take the COMPASS test, which can place them in a higher level course. (See Transitional Academic Studies program description in the Independent Programs section of the Undergraduate Catalog for more details.)

Early Admission Applicants

Academically outstanding high school juniors who have completed three academic years of high school, accumulating at least 14 units of coursework may be considered for early admission if they have the following:

1. A minimum high school cumulative grade point average (GPA) of 3.5 on a 4.00 scale.
2. A minimum ACT composite score of 26 on the ACT or the equivalent on the former ACT.
3. Written recommendations from high school principal and guidance counselor.
4. An interview with U of M faculty/staff committee selecting early admission students.

In addition, they must agree to enroll in freshman English, and, unless successfully completed in high school, courses in American history and economics.

NOTE: Early admission applicants should also check with their high school for specific graduation requirements.

21+ First-time Freshman Applicants (21 years of age or older with a high school diploma or GED)

Student applicants 21 years old or older who apply for admission will be reviewed by the standing internal admissions committee. All student applicants, in this category, must

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take the COMPASS exam; or the national ACT exam; or the residual ACT exam (ACT exams used for admission must be less than 3 years old). The minimum GED score that will be considered is 450 (or 45 on exams prior to the revision). Applicants must also submit a statement of academic and career goals. Emphasis should be placed on experiences that the applicant has had since leaving high school that they believe will make them a successful college student (e.g. military, successful vocational training, etc.).

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Minor

To earn a minor in this college, a transfer student majoring in one of the other colleges of the university or in this college must earn at the University of Memphis a minimum of 6 upper division business administration hours of the total number of hours required for that minor.

See University Residence Requirements in the Graduation from the University section.

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Sales

Sales Minor

For students whose major is in another college of the University (15 hours): MKTG 3010, 3410, 4470, and 6 semester hours chosen be the student from the following courses: MKTG 2610, 3012, 3140, 3320.

For students whose major is in another department in the Fogelman College of Business and Economics (9 hours): MKTG 3410, 4470, and 3 semester hours chosen by the student from the following courses: MKTG 2610, 3012, 3140, 3320.

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[Chinese \(CHIN\)](#)
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[French \(FREN\)](#)
[German \(GERM\)](#)
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[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
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[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

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[Economics \(ECON\)](#)

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Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

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Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

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Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
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Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

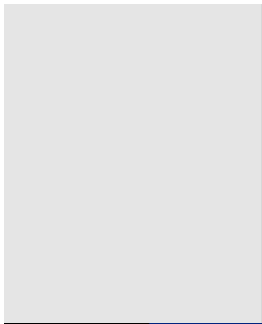
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Minors

Students majoring in any department within the University may enhance their academic experience through University College minors in American Studies, Judaic Studies, and Religion in Society. If a University College student chooses to complete a minor, courses within the minor must differ substantially from courses within the student's coordinated study. A University College student may be certified as having a minor only if at least fifteen hours taken for the minor are not included in the coordinated study.

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Alcohol and Drug Abuse Services Minor

This interdisciplinary minor examines societal alcohol and drug abuse from the perspectives of anthropology, counseling, criminal justice, psychology, and sociology. The minor is open to students majoring in any undergraduate program at the University of Memphis or to special students who wish to enroll in order to take such a program.

Alcohol and Drug Abuse Services (18 hours)

This interdisciplinary minor examines societal alcohol and drug abuse from the perspectives of anthropology, counseling, criminal justice, psychology, and sociology. The minor is open to students majoring in any area within any undergraduate college at The University of Memphis or to special students who wish to enroll in order to take such a program.

A. Required core courses (9 hours):

ANTH 4531 Alcohol, Drugs and Culture
COUN 4783 Alcohol and Drug Abuse Counseling
PSYC 3507 Alcohol, Drugs and Behavior

B. Plus 3 additional courses from the following list (9 hours):

CJUS 3152 Drug Addiction and Alcoholism
COUN 4781 Crisis Intervention
SOCI 3501 Deviant Behavior
SOCI 3112 Contemporary Social Problems
SOCI 4851 Medical Sociology

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Sacred Music (MUSA)

College of Education, Health and Human Sciences

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Health and Sport Sciences

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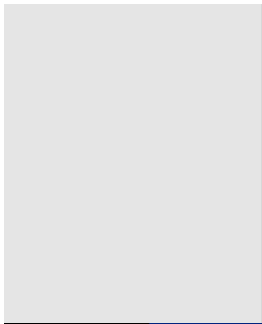
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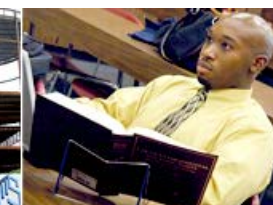
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American Studies Minor

The American Studies minor engages students in an examination of the culture and society of the United States, with attention paid to the ways in which Americans express their basic values and give meaning to their institutions and everyday social practices. These values, institutions, and practices are a reflection, in part, of the different experiences of a people, according to their race, gender, class, and historical roots. This minor provides an opportunity to explore the commonalities and differences among Americans through an interdisciplinary course of study.

A. Required Core Courses (6 hours)

UNIV 35xx and/or UNIV 45xx

B. Elective Courses (12 hours)

Select one course from each of the following groups, plus two additional courses from these groups. No more than two courses from any single department will be accepted.

Group 1

COMM 4381 Senior Seminar in Rhetoric and Communication

COMM 4851 Film History II

COMM 4856 Women and Film

ENGL 3325 African American Literature through the Harlem Renaissance

ENGL 3326 African American Literature since the Harlem Renaissance

ENGL 3327 American Literature to 1890

ENGL 3328 American Literature since 1890

ENGL 3521 The American Language

MUHL 4801 American Folk and Popular Music

MUHL 4804 Blues

MUHL 4805 History of Rock and Roll

MUHL 4806 History of Jazz

MUHL 4807 Memphis Music

Group 2

ANTH 3282 Cultural History of American Communities

ANTH 4336 Native Peoples of the Southeastern United States

ESCI 3401 Historical Geography of the U.S.

HIST 3035 Technology and Culture in American History

HIST 3863 Social and Intellectual History of the United States

HIST 4701 The United States, 1914 to the Second World War

HIST 4851 History of Women in America

HIST 4941 History of the American Indian

SOCI 3420 Sociology of the South

SOCI 4420 Racial Inequality

C. With the signed permission of the dean of the University College or the dean's designate, the following are acceptable: (1) A course from Group 1 of Section B can be substituted for one of the courses in Section A. (2) Up to two courses may be substituted for those listed in Section B. In content and approach, these courses will have a distinct American Studies emphasis.

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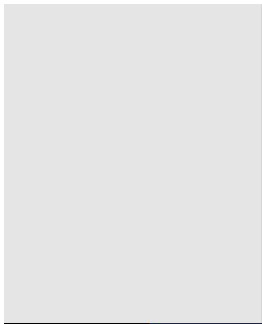
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Child Development Minor

This interdisciplinary minor will attract students with majors in education, family and consumer studies, human services, nonprofit administration, psychology, social work, and related areas.

A. Required core courses (9 hours):

CSED 3302 Child and Adolescent Development
EDPR 2111 Development Across the Life Span
PSYC 3103 Child Psychology

B. Plus 3 additional courses from the following list (9 hours):

ANTH 3511 Culture, Kin and Family
CJUS 4533 Juvenile Delinquency: Theory and Process
CSED 3401 Parenthood Education
CSED 4101 Preschool Curriculum
CSED 4211 Readings in Child Development and Family Relations
HIST 4863 History of Childhood in America
PSYC 3101 Psychology of Personality
PSYC 3102 Abnormal Psychology
PSYC 3506 Human Sexuality
PSYC 4034 Children's Social Relationships
SOC 3432 Sociology of Gender
SOC 3831 Marriage and the Family
SWRK 4934 Child Welfare Policy and Services

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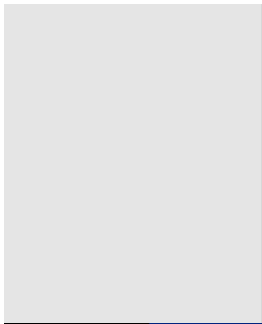
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Departments and Divisions

The College of Arts and Sciences comprises the following departments and divisions: Aerospace Studies, Anthropology, Biology, Chemistry, Computer Science, Earth Sciences, English, Foreign Languages and Literatures, History, Mathematical Sciences, Military Science, Naval Science, Philosophy, Physics, Political Science, Psychology, the School of Urban Affairs and Public Policy (including City and Regional Planning, Criminology and Criminal Justice, Public and Nonprofit Administration, Social Work), and Sociology.

The various offerings of the departments and divisions of The College of Arts and Sciences are organized into four groups:

HUMANITIES: English, foreign languages and literatures, history, philosophy.

NATURAL SCIENCES: biology, chemistry, computer science, earth science, mathematics, physics.

SOCIAL SCIENCES: anthropology, city and regional planning, criminal justice, economics, geography, political science, psychology, public administration, social work, sociology.

OTHER: African and African American Studies, Environmental Studies, International Studies, Judaic Studies, Legal Thought and Liberal Arts, ROTC programs (Aerospace Studies, Military Science, Naval Science), Women's and Gender Studies.

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Department/Divisions	Click Major below for Requirements.	Concentration within Major	Degree Offered
Anthropology	*Anthropology	NONE	Bachelor of Arts (B.A.)
Biological Sciences	*Biology	NONE	Bachelor of Science (B.S.)
Chemistry	*Chemistry	(1) Biochemistry (2) General Chemistry	Bachelor of Science (B.S.) Bachelor of Science in Chemistry (B.S.Ch.)
Computer Science	*Computer Science	NONE	Bachelor of Science (B.S.)
Criminology and Criminal Justice	*Criminology and Criminal Justice	NONE	Bachelor of Arts (B.A.)
Earth Sciences	*Earth Sciences	(1) Geoarchaeology (2) Geography (3) Geology	Bachelor of Arts (B.A.)
Economics	Economics	NONE	Bachelor of Arts (B.A.)
English	*English	(1) African American Literature (2) Creative Writing (3) English as a Second Language (4) Language and Linguistics (5) Literature (6) Professional Writing	Bachelor of Arts (B.A.)
Foreign Languages and Literatures	*Foreign Languages (With single language concentration from the first five or multiple language concentration from total list.) Click on the specific concentration on the right for course descriptions.	(1) French (2) German (3) Japanese (4) Latin (5) Spanish (6) Greek (7) Italian (8) Russian (9) Portuguese	Bachelor of Arts (B.A.)
History	*History	NONE	Bachelor of Arts (B.A.)
Mathematical Sciences	*Mathematical Sciences	(1) Mathematics (2) Statistics	Bachelor of Science (B.S.)
Philosophy	*Philosophy	NONE	Bachelor of Arts (B.A.)
Physics	*Physics	(1) General Physics (2) Materials Science	Bachelor of Science (B.S.)

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Political Science	*Political Science	NONE	Bachelor of Arts (B.A.)
Psychology	*Psychology	(1) Behavioral Neuroscience (2) Cognitive Science (3) General Psychology	Bachelor of Arts (B.A.)
Sociology	*Sociology	NONE	Bachelor of Arts (B.A.)
Social Work	*Social Work	NONE	Bachelor of Arts (B.A.)
Interdisciplinary Programs	*African and African American Studies	(1) Humanities (2) Social and Behavioral Sciences (3) The Arts	Bachelor of Arts (B.A.)
	*International Studies	(1) Global Processes (2) Area Studies	Bachelor of Arts (B.A.)

Individual program requirements described in the University of Memphis 2013-2014 Undergraduate Catalog are subject to change. Please consult the college level advisor for changes that may occur before the publication of the next issue of the Catalog.
*Minor available.

The College of Arts and Sciences also offers minors in the following areas not listed above:

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College and Degree Requirements

Listed below are the specific college requirements for all degree programs offered in the College of Arts and Sciences. Students pursuing the Bachelor of Science in Chemistry degree should see the specific requirements for that degree.

Bachelor of Arts (B.A.) (9-16 hours)

These hours are in addition to the University General Education Program requirements.

Foreign Language: 6 hours in a single foreign language at or above the 2000 level or equivalent.

1. If the language chosen was used to meet University admissions requirements, students must take the foreign language placement exam (if they have not already successfully completed a language course at an accredited institution of higher education). For information about the dates and place of placement exams, contact the Department of Foreign Languages and Literatures. On the basis of the results of the placement exam, students should follow these guidelines:

If placed into 1010: complete 1010, 1020, 2010, 2020

If placed into 1020: complete 1020, 2010, 2020

If placed into 2010: complete 2010, 2020

If placed into 2020: complete 2020

If placed into 3301 or higher: language requirement fulfilled

Or complete 6 hours at the 2000 level or above of another language

2. Students presenting a language to meet University admission requirements cannot receive credit for 1010 in that language.

3. No credit hours are immediately granted on the basis of the placement exam.

4. Satisfactory completion of the language requirement by means of the placement exam will be noted on the student's transcript.

5. Students whose first college-level language course is 2010 or higher and who pass this course with a minimum grade of "C" may apply for Credit by Course Placement. The applicable fees are listed in the Miscellaneous Fees section of this Catalog. Students wishing such credit must make written application to the chair of the Department of Foreign Languages and Literatures. Credit by Course Placement shall apply only to the lower division, and credit gained in this manner shall not exceed 12 semester hours in any one language. For additional information, see Credit by Course Placement in Section 5 of this Catalog.

6. Once a student begins with a lower-division course, all remaining higher-numbered courses in the lower division must be taken in sequence, without skipping. For example, students who begin with LATN 1010 cannot skip LATN 1020 and enroll in LATN 2010.

7. For students whose mother tongue is not English, lower-division credit in the native language will be awarded when the student has successfully completed the English composition requirement for graduation and has proven proficiency in the native language to the satisfaction of the Department of Foreign Languages and Literatures. The student must make written application to the chair of the Department of Foreign Languages and Literatures.

Upper-Division Humanities or Social Science

A) *Humanities:* (only required for majors in Anthropology, Communication, Criminology and Criminal Justice, Earth Sciences, Economics, Hospitality and Resort

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Management, Journalism, Political Science, Psychology, Social Work, or Sociology): 3 hours of upper-division coursework, in an area outside of the major, to be chosen from one of the following categories. Please note that some courses have prerequisites:

1. Art History: ARTH 4111, 4112, 4113, 4121, 4123, 4124, 4125, 4130, 4142, 4143, 4146, 4148, 4149, 4152, 4166, 4183, 4185.
2. Communication: COMM 3003, 3360, 4360.
3. English: Any upper-division ENGL literature course. Students should consult with their advisor or with the department to determine the appropriate courses.
4. Foreign Languages: Any upper-division literature course in CHIN, CLAS, FREN, GERM, GREK, ITAL, JAPN, LALI, LATN, RUSS, or SPAN. Students should consult with their advisor or with the department to determine the appropriate courses.
5. History: Any upper-division HIST course, except HIST 3863, 3881, 4020, 4022, 4851, 4871, 4999.
6. Journalism: JOUR 4708, 4716.
7. Judaic Studies: JDST 3601, 3661, 3801, 3802, 4511, 4671, 4801.
8. Philosophy: Any upper-division PHIL course.
9. Political Thought: POLS 3102, 3401, 3402, 3410, 3415, 4405, 4415, 4416.
10. Religious Studies: RLG 3100.
11. Theatre: THEA 4582.
12. Women's and Gender Studies: WMST 3000.

B) Social Science (only required for majors in Art History, English, Foreign Languages, History, or Philosophy): 3 hours of upper-division coursework, in an area outside of the major, to be chosen from one of the following categories. Please note that some courses have prerequisites:

1. Anthropology: ANTH 3232, 3242, 3300, 3511, 4051, 4111, 4120, 4220, 4251, 4253, 4270, 4301, 4302, 4336, 4350, 4352, 4411, 4412, 4413, 4415, 4416, 4431, 4510, 4512, 4531, 4541, 4551, 4571, 4840, 4841
2. Communication: COMM 3322, 4014, 4375
3. Earth Sciences: ESCI 3200, 3430, 3451, 4201, 4251, 4252, 4261, 4270, 4301, 4307, 4350, 4352, 4431, 4443
4. Journalism: JOUR 4702
5. Political Science: POLS 3211, 3213, 3215, 3216, 3217, 3218, 3219, 3220, 3221, 3302, 3306, 3309, 3310, 3320, 3325, 3330, 3340, 3405, 3505, 3506, 3509, 4200, 4211, 4212, 4222, 4223, 4307, 4315, 4317, 4504, 4506, 4508, 4510, 4511, 4512, 4820
6. Psychology: PSYC 3101, 3102, 3103, 3106, 3236, 3303, 3304, 3305, 3306, 3307, 3506, 3507, 3508, 3509, 3510, 3512, 3520, 3530, 3601, 4010, 4030, 4032, 4034, 4101, 4305
7. Sociology: SOCI 3112, 3401, 3420, 3432, 3501, 3541, 3701, 3820, 3831, 3860, 4420, 4442, 4460, 4541, 4631, 4851, 4852

Fine Arts: (Required only if a Fine Arts course was not taken to fulfill General Education requirements): 3 hours from: ART 1030, ARTH 2010, ARTH 2020, COMM 1851, COMM 4850, COMM 4858, DANC 1151, DANC 3101, MUS 1030, MUS 1040, MUHL 4800, THEA 1030, THEA 4551, THEA 4552.

Mathematics/Natural Sciences (3-4 hours): 3-4 hours of Mathematics or Natural Sciences in an area outside of the major to be chosen from one of the following categories:

1. Mathematics: One MATH course (not MATH 1100; not to repeat University General Education Program requirements), or PHIL 1611.
2. Computer Science: One of COMP 1800, 1900, 4001.
3. Natural Sciences: 3-4 hours (different from the University General Education Program science), selected from: any General Education Natural Science course or one from the following: ESCI 2301, 3211, 3802, 4122, 4511, 4515, 4521, 4522. NOTE: If a course has a lab, the lab must be taken to complete this requirement.
4. Social Statistics: One of PSYC 3010, SOCI 3311.

NOTE: The College of Arts and Sciences accepts a maximum of two semester hours in physical activity courses toward the fulfillment of its degree requirements.

To qualify for the Bachelor of Arts degree, the student must complete a minimum of 120 qualifying semester hours with a grade point average of 2.0. A minimum of 42 semester hours must be in courses from the upper division. A minimum grade of "C" is required in every course applicable toward a major or minor (including corequisites). A minimum cumulative GPA of 2.0 is required for courses applied to the major. Every student should be aware that the mere completion of course outlined below with a minimum grade of "C" does not guarantee classification as a major or minor in the discipline concerned; the student must be recommended by the chair of the department in which the major or minor is sought. If, in the opinion of the department chair, the quality of the student's work is not high enough, additional work, the repetition of courses, or other evidence of acceptable scholarship may be required.

Residence Requirements

University residence requirements are explained in detail in the Graduation from the University section. A transfer student in The College of Arts and Sciences must earn at least 6 semester hours in residence in the major subject and at least 3 semester hours in the minor. These credits may be earned only through regular class enrollment for a letter grade.

Bachelor of Science (B.S.) (12 hours)

These hours are in addition to the University General Education Program requirements.

Foreign Language: 6 hours in a single foreign language, or equivalent. If the language chosen is the same language used to fulfill University admission requirements, courses must be at the 1020 level or above. If a different language is chosen, any six hours will fulfill the requirement.

1. If the language chosen was used to meet University admissions requirements, students must take the foreign language placement exam (if they have not already successfully completed a language course at an accredited institution of higher education). For information about the dates and place of placement exams, contact the Department of Foreign Languages and Literatures. On the basis of the results of the placement exam, students should follow these guidelines:

If placed into 1010: complete 1010, 1020, 2010

If placed into 1020: complete 1020, 2010

If placed into 2010: complete 2010

If placed into 2020 or higher: language requirement fulfilled

Or complete 6 hours at any level of another language

2. Students presenting a language to meet University admission requirements cannot receive credit for 1010 in that language.

3. No credit hours are immediately granted on the basis of the placement exam.

4. Satisfactory completion of the language requirement by means of the placement exam will be noted on the student's transcript.

5. Students whose first college-level language course is 2010 or higher and who pass this course with a minimum grade of "C" may apply for Credit by Course Placement. The applicable fees are listed in the Miscellaneous Fees section of this Catalog. Students wishing such credit must make written application to the chair of the Department of Foreign Languages and Literatures. Credit by Course Placement shall apply only to the lower division, and credit gained in this manner shall not exceed 12 semester hours in any one language. For additional information, see Credit by Course Placement in Section 5 of this Catalog.

6. Once a student begins with a lower-division course, all remaining higher-numbered courses in the lower division must be taken in sequence, without skipping. For example, students who begin with LATN 1010 cannot skip LATN 1020 and enroll in LATN 2010.

7. For students whose mother tongue is not English, lower-division credit in the native language will be awarded when the student has successfully completed the English composition requirement for graduation and has proven proficiency in the native language to the satisfaction of the Department of Foreign Languages and Literatures. The student must make written application to the chair of the Department of Foreign Languages and Literatures.

Humanities: 3 hours of upper-division coursework, in an area outside of the major, to be chosen from one of the following categories. Please note that some courses have prerequisites:

1. Art History: ARTH 4111, 4112, 4113, 4121, 4123, 4124, 4125, 4130, 4142, 4143, 4146,

4148, 4149, 4152, 4166, 4183, 4185

2. Communication: COMM 3003, 3360, 4360

3. English: Any upper-division ENGL literature course. Students should consult with their advisor or with the department to determine the appropriate courses.

4. Foreign Languages: Any upper-division literature course in CHIN, CLAS, FREN, GERM, GREK, ITAL, JAPN, LALI, LATN, RUSS, or SPAN. Students should consult with their advisor or with the department to determine the appropriate courses.

5. History: Any upper-division HIST course, except HIST 3863, 3881, 4020, 4022, 4851, 4871, 4999.

6. Journalism: JOUR 4708, 4716

7. Judaic Studies: JDST 3601, 3661, 3801, 3802, 4511, 4671, 4801.

8. Philosophy: Any upper-division PHIL course.

9. Political Thought: POLS 3102, 3401, 3402, 3410, 3415, 4405, 4415, 4416.

10. Religious Studies: RLG 3100

11. Theatre: THEA 4582.

12. Women's and Gender Studies: WMST 3000.

Social Science: 3 hours of upper-division coursework, in an area outside of the major, to be chosen from one of the following categories. Please note that some courses have prerequisites:

1. Anthropology: ANTH 3232, 3242, 3300, 3511, 4051, 4111, 4120, 4220, 4251, 4253, 4270, 4301, 4302, 4336, 4350, 4352, 4411, 4412, 4413, 4415, 4416, 4431, 4510, 4512, 4531, 4541, 4551, 4571, 4840, 4841

2. Communication: COMM 3322, 4014, 4375

3. Earth Sciences: ESCI 3200, 3430, 3451, 4201, 4251, 4252, 4261, 4270, 4301, 4307, 4350, 4352, 4431, 4443

4. Journalism: JOUR 4702

5. Political Science: POLS 3211, 3213, 3215, 3216, 3217, 3218, 3219, 3220, 3221, 3302, 3306, 3309, 3310, 3320, 3325, 3330, 3340, 3405, 3505, 3506, 3509, 4200, 4211, 4212, 4222, 4223, 4307, 4315, 4317, 4504, 4506, 4508, 4510, 4511, 4512, 4820

6. Psychology: PSYC 3101, 3102, 3103, 3106, 3236, 3303, 3304, 3305, 3306, 3307, 3506, 3507, 3508, 3509, 3510, 3512, 3520, 3530, 3601, 4010, 4030, 4032, 4034, 4101, 4305

7. Sociology: SOCI 3112, 3401, 3420, 3432, 3501, 3541, 3701, 3820, 3831, 3860, 4420, 4442, 4460, 4541, 4631, 4851, 4852

NOTE: The College of Arts and Sciences accepts a maximum of two semester hours in physical activity courses toward the fulfillment of its degree requirements.

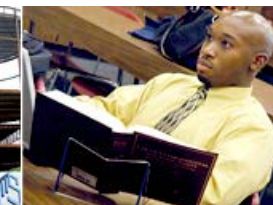
To qualify for the Bachelor of Science degree, the student must complete a minimum of 120 qualifying semester hours with a grade point average of 2.0. A minimum of 42 semester hours must be in courses from the upper division. A minimum grade of "C" is required in every course applicable toward a major or minor (including corequisites). A minimum cumulative GPA of 2.0 is required for courses applied to the major. Every student should be aware that the mere completion of course outlined below with a minimum grade of "C" does not guarantee classification as a major or minor in the discipline concerned; the student must be recommended by the chair of the department in which the major or minor is sought. If, in the opinion of the department chair, the quality of the student's work is not high enough, additional work, the repetition of courses, or other evidence of acceptable scholarship may be required.

Residence Requirements

University residence requirements are explained in detail in the Graduation from the University section. A transfer student in The College of Arts and Sciences must earn at least 6 semester hours in residence in the major subject and at least 3 semester hours in the minor. These credits may be earned only through regular class enrollment for a letter grade.

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Academic Advising

Students with declared majors in the College of Arts and Sciences receive advising from faculty or professional advisors in the department of their major. Through required advising appointments, the advisor assists students in selecting courses and fulfilling requirements in a timely and organized manner with attention to their prior skills. The advisor may also serve as a resource for discovering and pursuing academic and career goals, and for information about university support services available to students. This assistance, however, does not in any way relieve the student of the primary responsibility for studying the Catalog and fulfilling all the requirements for the degree.

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Pre-Professional Training

Pre-Medical/Pre-Health - The Pre-Professional Advisor, in the Dean's Office, offers resource and career information to students planning on applying to the following health and professional schools: medicine, dentistry, pharmacy, optometry, veterinary medicine, physical therapy, and allied health fields including cytotechnology, dental hygiene, health information management, medical technology, and occupational therapy.

Pre-Law - In general, accredited law schools have not adopted specific requirements for pre-law education; they do, however, emphasize certain courses as being conducive to the development of the broad cultural background necessary for the successful study of law. Students interested in applying to law school should contact the Pre-Professional Advisor in room 107, Scates Hall for further information.

Teacher Preparation - Students who wish to prepare for teaching careers in the secondary schools (grades 7-12) of Tennessee will be expected to complete a baccalaureate degree with a major in the intended teaching area, followed by earning licensure through the College of Education, Health and Human Sciences. Additional information on licensure requirements may be obtained from the Office of Teacher Education in the College of Education, Health and Human Sciences. Through a collaborative partnership between the College of Arts & Sciences and the College of Education, Health and Human Sciences at the University of Memphis, UTeach MEMphis allows science and mathematics majors to sample the world of pre-college teaching and earn the certification needed to teach their subject in secondary schools while still completing the course requirements for the Bachelor of Science degree.

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Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

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Educational Psychology and Research (EDPR)

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Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
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Physical Education Teacher Education (PETE)
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Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

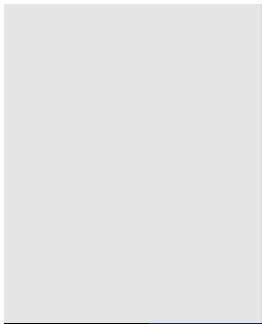
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Reading (RDNG)
Special Education (SPED)

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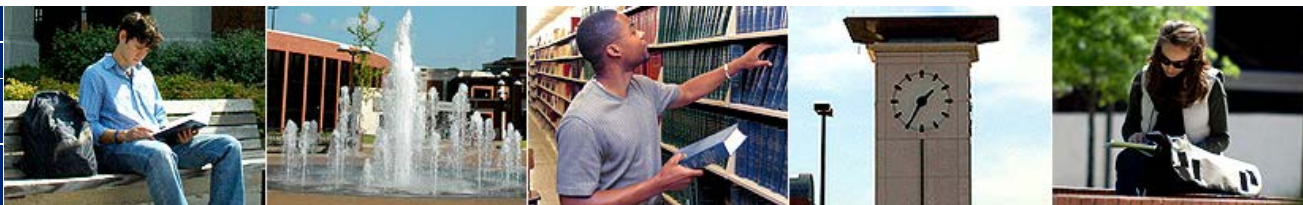
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Residence Requirements

University residence requirements are explained in detail in the Graduation from the University section. A transfer student in The College of Arts and Sciences must earn at least 6 semester hours in residence in the major subject and at least 3 semester hours in the minor. These credits may be earned only through regular class enrollment for a letter grade.

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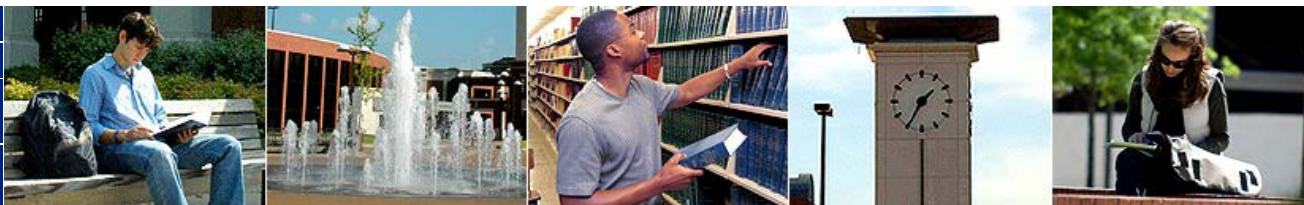
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Departmental Requirements for Majors and Minors

Listed below are the specific course requirements for all majors and minors offered in The College of Arts and Sciences. A minimum grade of "C" is required in every course applicable toward a major or minor (including corequisites).

Every student should be aware that the mere completion of courses outlined below with a minimum grade of "C" does not guarantee classification as a major or minor in the discipline concerned; the student must be recommended by the chair of the department in which the major or minor is sought. If, in the opinion of the department chair, the quality of the student's work is not high enough, additional work, the repetition of courses, or other evidence of acceptable scholarship may be required.

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Supply Chain Management Science (SCMS)
Economics (ECON)
Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

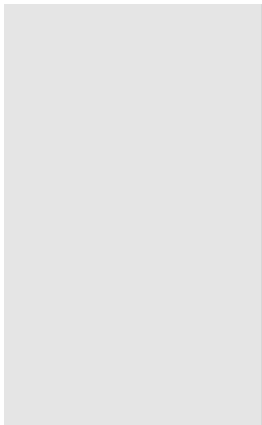
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Health Promotion (HPRO)
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Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
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B.A. Requirements

Bachelor of Arts (B.A.) (9-16 hours)

These hours are in addition to the University General Education Program requirements.

Foreign Language: 6 hours in a single foreign language at or above the 2000 level or equivalent.

1. If the language chosen was used to meet University admissions requirements, students must take the foreign language placement exam (if they have not already successfully completed a language course at an accredited institution of higher education). For information about the dates and place of placement exams, contact the Department of Foreign Languages and Literatures. On the basis of the results of the placement exam, students should follow these guidelines:

If placed into 1010: complete 1010, 1020, 2010, 2020

If placed into 1020: complete 1020, 2010, 2020

If placed into 2010: complete 2010, 2020

If placed into 2020: complete 2020

If placed into 3301 or higher: language requirement fulfilled

Or complete 6 hours at the 2000 level or above of another language

2. Students presenting a language to meet University admission requirements cannot receive credit for 1010 in that language.

3. No credit hours are immediately granted on the basis of the placement exam.

4. Satisfactory completion of the language requirement by means of the placement exam will be noted on the student's transcript.

5. Students whose first college-level language course is 2010 or higher and who pass this course with a minimum grade of "C" may apply for Credit by Course Placement. The applicable fees are listed in the Miscellaneous Fees section of this Catalog. Students wishing such credit must make written application to the chair of the Department of Foreign Languages and Literatures. Credit by Course Placement shall apply only to the lower division, and credit gained in this manner shall not exceed 12 semester hours in any one language. For additional information, see Credit by Course Placement in Section 5 of this Catalog.

6. Once a student begins with a lower-division course, all remaining higher-numbered courses in the lower division must be taken in sequence, without skipping. For example, students who begin with LATN 1010 cannot skip LATN 1020 and enroll in LATN 2010.

7. For students whose mother tongue is not English, lower-division credit in the native language will be awarded when the student has successfully completed the English composition requirement for graduation and has proven proficiency in the native language to the satisfaction of the Department of Foreign Languages and Literatures. The student must make written application to the chair of the Department of Foreign Languages and Literatures.

Upper-Division Humanities or Social Science

A) *Humanities:* (only required for majors in Anthropology, Communication, Criminology and Criminal Justice, Earth Sciences, Economics, Hospitality and Resort Management, Journalism, Political Science, Psychology, Social Work, or Sociology): 3 hours of upper-division coursework, in an area outside of the major, to be chosen from one of the following categories. Please note that some courses have prerequisites:

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1. Art History: ARTH 4111, 4112, 4113, 4121, 4123, 4124, 4125, 4130, 4142, 4143, 4146, 4148, 4149, 4152, 4166, 4183, 4185.
2. Communication: COMM 3003, 3360, 4360.
3. English: Any upper-division ENGL literature course. Students should consult with their advisor or with the department to determine the appropriate courses.
4. Foreign Languages: Any upper-division literature course in CHIN, CLAS, FREN, GERM, GREK, ITAL, JAPN, LALI, LATN, RUSS, or SPAN. Students should consult with their advisor or with the department to determine the appropriate courses.
5. History: Any upper-division HIST course, except HIST 3863, 3881, 4020, 4022, 4851, 4871, 4999.
6. Journalism: JOUR 4708, 4716.
7. Judaic Studies: JDST 3601, 3661, 3801, 3802, 4511, 4671, 4801.
8. Philosophy: Any upper-division PHIL course.
9. Political Thought: POLS 3102, 3401, 3402, 3410, 3415, 4405, 4415, 4416.
10. Religious Studies: RLGN 3100.
11. Theatre: THEA 4582.
12. Women's and Gender Studies: WMST 3000.

B) Social Science (only required for majors in Art History, English, Foreign Languages, History, or Philosophy): 3 hours of upper-division coursework, in an area outside of the major, to be chosen from one of the following categories. Please note that some courses have prerequisites:

1. Anthropology: ANTH 3232, 3242, 3300, 3511, 4051, 4111, 4120, 4220, 4251, 4253, 4270, 4301, 4302, 4336, 4350, 4352, 4411, 4412, 4413, 4415, 4416, 4431, 4510, 4512, 4531, 4541, 4551, 4571, 4840, 4841
2. Communication: COMM 3322, 4014, 4375
3. Earth Sciences: ESCI 3200, 3430, 3451, 4201, 4251, 4252, 4261, 4270, 4301, 4307, 4350, 4352, 4431, 4443
4. Journalism: JOUR 4702
5. Political Science: POLS 3211, 3213, 3215, 3216, 3217, 3218, 3219, 3220, 3221, 3302, 3306, 3309, 3310, 3320, 3325, 3330, 3340, 3405, 3505, 3506, 3509, 4200, 4211, 4212, 4222, 4223, 4307, 4315, 4317, 4504, 4506, 4508, 4510, 4511, 4512, 4820
6. Psychology: PSYC 3101, 3102, 3103, 3106, 3236, 3303, 3304, 3305, 3306, 3307, 3506, 3507, 3508, 3509, 3510, 3512, 3520, 3530, 3601, 4010, 4030, 4032, 4034, 4101, 4305
7. Sociology: SOCI 3112, 3401, 3420, 3432, 3501, 3541, 3701, 3820, 3831, 3860, 4420, 4442, 4460, 4541, 4631, 4851, 4852

Fine Arts: (Required only if a Fine Arts course was not taken to fulfill General Education requirements): 3 hours from: ART 1030, ARTH 2010, ARTH 2020, COMM 1851, COMM 4850, COMM 4858, DANC 1151, DANC 3101, MUS 1030, MUS 1040, MUHL 4800, THEA 1030, THEA 4551, THEA 4552.

Mathematics/Natural Sciences (3-4 hours): 3-4 hours of Mathematics or Natural Sciences in an area outside of the major to be chosen from one of the following categories:

1. Mathematics: One MATH course (not MATH 1100; not to repeat University General Education Program requirements), or PHIL 1611.
2. Computer Science: One of COMP 1800, 1900, 4001.
3. Natural Sciences: 3-4 hours (different from the University General Education Program science), selected from: any General Education Natural Science course or one from the following: ESCI 2301, 3211, 3802, 4122, 4511, 4515, 4521, 4522. NOTE: If a course has a lab, the lab must be taken to complete this requirement.
4. Social Statistics: One of PSYC 3010, SOCI 3311.

NOTE: The College of Arts and Sciences accepts a maximum of two semester hours in physical activity courses toward the fulfillment of its degree requirements.

To qualify for the Bachelor of Arts degree, the student must complete a minimum of 120 qualifying semester hours with a grade point average of 2.0. A minimum of 42 semester hours must be in courses from the upper division. A minimum grade of "C" is

required in every course applicable toward a major or minor (including corequisites). A minimum cumulative GPA of 2.0 is required for courses applied to the major. Every student should be aware that the mere completion of course outlined below with a minimum grade of "C" does not guarantee classification as a major or minor in the discipline concerned; the student must be recommended by the chair of the department in which the major or minor is sought. If, in the opinion of the department chair, the quality of the student's work is not high enough, additional work, the repetition of courses, or other evidence of acceptable scholarship may be required.

Residence Requirements

University residence requirements are explained in detail in the Graduation from the University section. A transfer student in The College of Arts and Sciences must earn at least 6 semester hours in residence in the major subject and at least 3 semester hours in the minor. These credits may be earned only through regular class enrollment for a letter grade.

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B.S. Requirements

Bachelor of Science (B.S.) (12 hours)

These hours are in addition to the University General Education Program requirements.

Foreign Language: 6 hours in a single foreign language, or equivalent. If the language chosen is the same language used to fulfill University admission requirements, courses must be at the 1020 level or above. If a different language is chosen, any six hours will fulfill the requirement.

1. If the language chosen was used to meet University admissions requirements, students must take the foreign language placement exam (if they have not already successfully completed a language course at an accredited institution of higher education). For information about the dates and place of placement exams, contact the Department of Foreign Languages and Literatures. On the basis of the results of the placement exam, students should follow these guidelines:

If placed into 1010: complete 1010, 1020, 2010

If placed into 1020: complete 1020, 2010

If placed into 2010: complete 2010

If placed into 2020 or higher: language requirement fulfilled

Or complete 6 hours at any level of another language

2. Students presenting a language to meet University admission requirements cannot receive credit for 1010 in that language.

3. No credit hours are immediately granted on the basis of the placement exam.

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2. Communication: COMM 3003, 3360, 4360

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Mission and Objectives

The Fogelman College of Business and Economics strives to provide a learning environment that fosters scholarship, intellectual curiosity, and collegiality. The mission of the undergraduate degree program is to prepare students for meaningful and responsible participation in a broad range of career opportunities in business, government, and institutional settings, or for advanced professional or graduate education. The College is dedicated to helping students acquire the competencies and attitudes for a lifetime of learning as they face the challenges of the future.

The objectives of the undergraduate curriculum at the Fogelman College of Business and Economics are to help students acquire the following knowledge and skills:

KNOWLEDGE

Knowledge of cultural, global, and ethical environment within which businesses operate; an appreciation of the impact of business decisions on society, the enterprise, and individuals; knowledge of mathematics and quantitative methods necessary to effectively analyze business decisions; an understanding of the role and impact of diversity in organizations; and understanding of the management of information and information technology; foundation knowledge in each of the functional departments of business and in-depth understanding of one or more specializations; an awareness of the relationship between academic theory and practice to promote informed decisions under conditions of uncertainty.

SKILLS

Ability to integrate knowledge from various disciplines to define business problems and research solutions; critical thinking and decision-making skills essential to solving business problems; communication skills to effectively participate in the business environment and larger society; proficiency in relevant computer applications; ability to contribute within a team environment to enhance organizational effectiveness; ability to analyze ethical situations within the context of the global business environment.

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Organization

The Fogelman College of Business and Economics comprises seven academic units: School of Accountancy; Department of Economics; Department of Finance, Insurance, and Real Estate; Department of Management; Department of Marketing and Supply Chain Management; Department of Management Information Systems; and Kemmons Wilson School of Hospitality and Resort Management.

These academic units offer a variety of majors and minors, the detailed requirements for which are listed later in this section. The interdisciplinary International Business Program centered in this college offers an undergraduate major in International Business; requirements are listed in the section pertaining to academic department requirements. In addition there are nine research units: Sparks Bureau of Business and Economic Research, Center for Manpower Studies, Fed Ex Center for Supply Chain Management, Center for Economic Education, Robert Wang Center for International Business, The Methodist LeBonheur Center for Healthcare Economics, Systems Testing Excellence Program (STEP), Center for Resort and Hospitality Business, and the Center for Managing Emerging Technologies.

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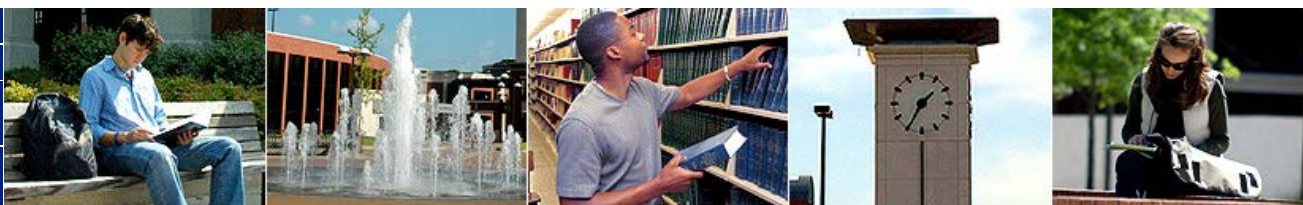
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General Requirements

The college curriculum is organized into a lower division and an upper division:

The Lower Division (LD) comprises the freshman and sophomore years, the first four semesters of university work. Courses offered in the lower division are numbered from 1000 through 2999, and the student must register consistently for all lower division requirements until they are completed.

Admission To Degree Program:

To continue into the upper division business courses, all students seeking a degree in the Fogelman College of Business and Economics must (1) complete the following courses with a minimum grade of "C" and a minimum 2.25 GPA. (2.5 GPA. for Accounting majors): ECON 2010, 2020, SCMS 2710 or MATH 1530, ACCT 2010, 2020, MIS 2749; (2) have accumulated 45 hours of course work including the required 9 hours of English; COMM 2381; MATH 1830 or 1910 (with a minimum grade of "C"); ECON 2010, 2020; ACCT 2010, 2020; SCMS 2710 or MATH 1530, and MIS 2749.

The Upper Division (UD) comprises all junior and senior years of undergraduate work; courses offered in the upper division are numbered 3000 through 4999. Students must have earned a minimum of 45 credit hours and have met specific course prerequisites with a minimum grade of "C" to be eligible for all 3000- and 4000-level courses. In addition to these requirements, students seeking a degree in the Fogelman College of Business and Economics must have (1) completed all required lower division business courses with a minimum grade of "C" in each; (2) minimum of 2.25 GPA (2.5 for ACCT majors) in all required lower division business courses and (3) 45 hours of course work including MATH 1830 or 1910 (with a minimum grade of "C"), COMM 2381 and 9 hours of English (See B.B.A. Degree Requirements-General Requirements).

Retention:

To graduate from the Fogelman College of Business and Economics, all students must have a minimum grade of a "C" and a 2.25 G.P.A. in the following courses: ACCT 3130, FIR 3410, MGMT 3110, 3510, 4710, MKTG 3010, MIS 3210, SCMS 3510, 3711 and the International Business course. All major courses require a minimum grade of "C" and a minimum 2.25 GPA.

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School of Accountancy	*Accounting	NONE	Bachelor of Business Administration (B.B.A.)
Economics	*Economics	Financial Economics	Bachelor of Business Administration (B.B.A.)
Finance	*Finance	(1) Banking & Financial Services (2) Business Finance (3) Real Estate (4) Risk Management & Insurance	Bachelor of Business Administration (B.B.A.)
Kemmons Wilson School of Hospitality and Resort Management	*Hospitality and Resort Management	NONE	Bachelor of Arts(B.A.)
Management	*Management	NONE	Bachelor of Business Administration (B.B.A.)
Management Information Systems	*Management Information Systems	NONE	Bachelor of Business Administration (B.B.A.)
Marketing and Supply Chain Management	*Supply Chain Management	NONE	Bachelor of Business Administration (B.B.A.)
	*Marketing Management	NONE	Bachelor of Business Administration (B.B.A.)
Interdisciplinary Program	*International Business See Advisor	NONE	Bachelor of Business Administration (B.B.A.)

Individual program requirements described in *the University of Memphis 2013-2014 Undergraduate Catalog* are subject to change. Please consult the college level advisor for changes that may occur before publication of the next issue of this *Catalog*

*Minor available. Minor also available in Pre-Professional Business Administration (See International Business Major), in Social Media, and in Sales.

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B.B.A. Degree Requirements

1. To qualify for the Bachelor of Business Administration (B.B.A.) degree, the student must complete a minimum of 120 semester hours with a minimum overall grade point average of 2.00 and meet additional grade point average requirements described below.
2. No grade below a "C" and a minimum grade point average of 2.25 (ACCT majors-2.5) is necessary in these lower division courses: MATH 1830 or 1910, SCMS 2710 or MATH 1530, ECON 2010, 2020, ACCT 2010, 2020, MIS 2749. A minimum grade of "C" and a minimum grade point average of a 2.25 is necessary for these upper division courses: ACCT 3130, FIR 3410, MGMT 3110, 3510, 4710, SCMS 3510, 3711, MIS 3210, MKTG 3010, and the International Business course.
3. B.B.A. students may apply no more than two semester hours of physical activity courses to the minimum degree requirements of 120 semester hours.
4. B.B.A. students may apply no more than 6 hours of internship toward their major requirements and no more than 6 hours of independent study toward their major requirements for a maximum of 9 hours combined internship and independent study in the major. Internship and independent study courses must be approved by the department chair.
5. All courses used to satisfy specific degree requirements of this college must be taken on a "letter grade" OR "credit by examination" basis. Hours earned on a "credit/no credit" basis are accepted only in courses that are not required for the student's degree. Courses taken on an "audit" basis cannot be used to satisfy college requirements.
6. A surcharge of \$30 per credit hour for 3000 and 4000 level courses and for 6000-9000 level courses has been approved by the Tennessee Board of Regents. The purpose of the surcharge on these business courses is to guarantee the continuous improvement of the college and compliance with the standards of the Association to Advance Collegiate Schools of Business International (AACSB International).

NOTE: The Fogelman College of Business and Economics accepts a maximum of two semester hours in physical activity courses toward the fulfillment of its degree requirements.

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Academic Advising

Academic Advising

Every student entering The Fogelman College of Business and Economics will receive advice in the college's Advising Office. The advisor will assist the student in the selection of appropriate courses and provide the opportunity for meaningful discussion regarding career goals, past academic experience and future academic growth and progress as it relates to the student's development. This assistance, however, does not in any way relieve the student of the primary responsibility of studying the Catalog and fulfilling all the requirements for the degree.

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Residence Requirements

Residence requirements for a degree in business administration are as follows: (1) the senior year must be completed at the University of Memphis, (2) a minimum of 33 hours of upper division business courses must be taken at the University of Memphis, and (3) 12 of the 33 upper division business administration hours must be in the major field.

A student transferring credits from a two-year (lower division) college must complete a minimum of 60 semester hours in an accredited senior institution.

Students with transfer credit are required to maintain a 2.0 GPA on all courses taken at the University of Memphis.

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Enrollment Priority

Neither admission by the University of Memphis and The Fogelman College of Business and Economics nor completion of the minimum requirements guarantees admission to any specific course offered by the college. Limited resources may require that enrollment in business classes be based on ranking by Grade Point Average with exceptions being made for graduating seniors.

I. The Major

Each student, with the assistance of an advisor in the college, not later than the beginning of the junior year, will select a major and, if available, an area of concentration within the major. The specific courses required by each department for the satisfaction of its major are listed in the section following. A major requires a minimum of 21 hours beyond upper division core requirements, and courses used to satisfy one major may not be used toward a second major. A minimum grade of "C" must be earned for each required course for the major.

II. Courses Not Applicable Toward B.B.A. Degree

Transitional Academic Studies (DSP) courses may not be used to fulfill the minimum number of hours required for the B.B.A. degree.

III. The Minor

A student whose major is within The Fogelman College of Business and Economics is not required to have a minor; however, such an option is available. A minimum grade of "C" must be earned for each required course in the lower division and upper division business administration core curriculum and in each course required for the minor.

A student whose major is within one of the other colleges of the university may take a minor in one of the academic departments. (See Residence Requirements for The Fogelman College of Business and Economics.)

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Transfer Credit

The official evaluation and acceptance of transfer credit is the responsibility of the Office of Admissions. The Undergraduate Advising Office of The Fogelman College of Business and Economics, however, will be happy to answer inquiries regarding the applicability of transfer course work for the completion of the B.B.A. degree.

If a student transfers credit in required business courses that are classified as upper division in this college, but were taken as lower division credit or taken at a two-year (lower division) institution, these courses must be repeated or validated by examination. Validated courses are not considered U of M credit and will not count toward hours of residency.

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Apply to Graduate

Students must apply to graduate with the University of Memphis by going to the portal (myMemphis), selecting the My Degree tab, and navigating to the "Commencement and graduation" channel.

After the students have filed their apply to graduate, they will receive an email before the start of their graduating semester. The email will be only sent to their University of Memphis email address from the Graduation Analyst, Mrs. Felicia Roddy-Jackson, which will contain a summary evaluation of the students' academic performance and a graduation packet. All deadlines are strictly enforced.

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Honors Program

Admission

Lower Division: Incoming freshmen whose minimum score of 27 on the ACT or its equivalent on other tests are invited to participate and are eligible to enroll in the designated honors sections of this college's lower division courses.

Transfer or students presently enrolled in the University of Memphis are eligible to enroll in the designated honors sections of this college's lower division courses if they have a minimum 3.00 grade point average or the recommendation of a faculty member.

Upper Division: Students must have a minimum 3.25 grade point average in business courses and a 3.00 overall grade point average.

Students will need to complete an application form available from the College Honors Advisor to apply for the Business and Economics Honors Program.

Retention

The participating honors student must maintain a minimum 3.00 GPA in honors courses, have a minimum 3.25 GPA in all business courses, and a minimum overall GPA of 3.00.

Requirements

Qualification for "Honors in Business and Economics," requires an Honors Thesis or Senior Honors Experience as determined by the Director of the College Honors Program. A student must also complete successfully (with a minimum grade of B) a minimum of 18 semester hours from the following:

1. No more than 6 hours from Honors Sections in appropriate 2000 level courses*.
2. At least 12 hours from Honors Sections in appropriate 3000 or 4000 level courses*.

In some circumstances, additional contract work and enrollment in a non-honors section of a required upper division course may be accepted as upper division honors credit. A maximum of 9 hours of upper division honors credit may be contracted.

*The appropriate courses will be decided by the Director of the College Honors Program.

Certificate Of Achievement

Students who complete a minimum of 12 hours in Honors course work with a minimum of 3.25 grade point average and a minimum of "B" (3.0) in each of the Honors courses will receive a Certificate of Achievement.

Designation Of "With Honors In Business"

Students who complete 18 hours (meeting the restrictions listed) with an acceptable Honors Thesis or Senior Honors Experience and a minimum 3.25 grade point average in all courses taken in The Fogelman College of Business and Economics, and in all Honors courses taken in this college, with a minimum overall grade point average of 3.00 will have earned the designation of "With Honors in Business" which will appear on the transcript and diploma.

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Philosophy

The College of Communication and Fine Arts is focused ultimately upon visual and audible symbols, whose rational and emotional values it is the mission of the college to create and explore. In the belief that perception is largely shaped by experience, The College of Communication and Fine Arts offers a range of symbolically rendered experiences, both individual and collective, in the hope of broadening and sensitizing the perceptions of its students.

The kind of symbolic experience that communicates emerges when, in Ruskin's phrase, "the hand, the head and the heart of man go together." Students in The College of Communication and Fine Arts receive individual and small group instruction toward this end. In the hope of furthering the capacity to impose a pattern on experience and to recognize the patterns offered by others, students of the college are exposed additionally to courses drawn from a broad base of the liberal arts.

The faculty of the college represents a diversity of academic and artistic backgrounds and interests, reflected not only in its teaching, but also in research and creative activities. It is a faculty united in the attempt to maintain the highest standards in both classroom and studio work, standards that find their limits at last only in the mystery and wonder of the human experience from which they rise.

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Organization

The College of Communication and Fine Arts comprises six academic departments: [Architecture](#), [Art](#), [Communication](#), [Journalism](#), [Music](#), and [Theatre and Dance](#). The requirements for the majors and minors offered by these departments are listed later in this section.

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Academic Programs

Department/ School	Major Click below for Major Requirements. Click on Tiger Paw for course Descriptions.	Concentration Within Major	Degree Offered
Architecture	Architecture	NONE	Bachelor of Fine Arts (B.F.A.)
	Interior Design		
Art	Art	(1) Art Education (2) Studio Arts (3) Graphic Design (4) Photography	Bachelor of Fine Arts (B.F.A.)
	Art History	NONE	Bachelor of Arts (B.A.)
Communication	Communication	(1) Communication Studies (2) Film and Video Production	Bachelor of Arts (B.A.)
Journalism	Journalism	(1) Advertising (2) News (3) Public Relations	Bachelor of Arts (B.A.)
Music	Music	(1) Composition (2) Jazz and Studio Performance (3) Jazz and Studio Composition/Arranging (4) Music History (5) Performance (6) Music Education (Choral) (Instrumental)	Bachelor of Music (B.M.)
	Music Industry	(1) Music Business (2) Recording Technology	Bachelor of Music (B.M.)
Theatre and Dance	Theatre	(1) Design and Technical Production (3) Musical Theatre (2) Performance	Bachelor of Fine Arts (B.F.A.)

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Degree Requirements

Degrees Offered

A student may earn a Bachelor of Fine Arts, Bachelor of Music, or Bachelor of Arts degree, by majoring in one of the six departments that constitute the College of Communication and Fine Arts. The following is an outline by department of all majors and concentration areas offered by the departments in the College of Communication and Fine Arts.

A minimum grade of "C" is required in every course applicable toward a major or minor.

Every student should be aware that the mere completion of courses with a minimum grade of "C" does not guarantee classification as a major or minor in the discipline concerned; *the student must be recommended by the chair of the department in which the major or minor is sought*. If, in the opinion of the chair, the quality of the student's work is not high enough, additional work, the repetition of courses, or other evidences of superior scholarship may be required.

Credit in the College of Communication and Fine Arts may be granted for validated learning from experience or non-traditional instruction. Guidelines for this procedure may be obtained in the office of the Dean of the College of Communication and Fine Arts.

Bachelor Of Fine Arts Degree Requirements

- In ARCHITECTURE
- In ART
- In INTERIOR DESIGN
- In THEATRE

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Residence Requirements

University residence requirements are explained in detail in the Graduation from the University section. A transfer student in The College of Communication and Fine Arts must earn at least 6 semester hours in residence in the major subject and a minimum of 3 semester hours in the minor. These credits may be earned only through regular class enrollment for a letter grade.

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Teacher Preparation

Students enrolled in a degree program of The College of Communication and Fine Arts who wish to prepare themselves for teaching careers in K-12 schools in Tennessee may meet the state licensure requirements while pursuing their chosen majors.

Students with a Bachelors degree in Art can complete post-degree licensure in art education at the graduate level. (See art education for details).

Admission to the Teacher Licensure Program

Students who plan to pursue an undergraduate program of studies which leads to K-12 Teacher Licensure and students completing post-degree licensure in art at the graduate level must submit a formal application to the College of Education, Health and Human Sciences Teacher Education Program (TEP).

Students are encouraged to apply for admission to TEP in their sophomore year. Go to the [College of Education, Health and Human Sciences](#) website for application and guidelines.

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Organization

Four academic departments make up the College of Education, Health and Human Sciences: Counseling, Educational Psychology and Research; Instruction and Curriculum Leadership; Health and Sport Sciences; and Leadership. Two departments offer undergraduate degrees, and all departments offer a variety of graduate degree programs.

In addition, there are several research and service units in the college: The Office of Teacher Education, Advising and Student Services, The Center for the Study of Higher Education, The Reading Center, The Center for Research in Educational Policy, Bureau of Sport and Leisure Commerce, Human Performance Laboratory, Exercise Biochemistry Laboratory, Motor Behavior Laboratory, Exercise and Sport Nutrition Laboratory, Wellness Evaluation and Resource Unit, The Barbara K. Lipman Early Childhood School and Research Institute, and the University Campus School.

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B.S.ED Requirements (Teacher Licensure)

Professional Studies for Educators

Professional studies in the College of Education, Health and Human Sciences consist of both generic courses taken by all persons planning careers as educators and specialized studies related to specific professional practice settings. All teacher education students will study knowledge and skills in human development, basic instruction, technology, foundations, cultural diversity, and children with special needs. Students must also know and display dispositions expected of educators. Required courses for knowledge and skills include EDPR 2111, ICL 4800, SPED 2000, and student teaching. Necessary skills in assessment, behavior management and specialized instructional methods are incorporated in courses delivered by their respective specialty areas. Specific requirements are listed in the section of the Catalog addressing each major.

Accreditation

The College of Education, Health and Human Sciences holds membership in the American Association of Colleges for Teacher Education. Its undergraduate programs, as well as all graduate degree programs through the doctoral degree for the preparation of teachers and related school personnel, are approved by the Tennessee State Department of Education. The College is fully accredited by the National Council for Accreditation of Teacher Education (NCATE).

Licensure Areas

Areas of licensure that are available at the completion of undergraduate education programs include:

Special Education

Modified K-12 (460)

Comprehensive K-12 (461) (as an add-on endorsement only)

Physical Education K-12 (420)

Elementary K-6 (499)

Middle Grades 4-8 (440)

Early Childhood PrK-3 (467)

Visual Arts (427)

Music Inst. K-12 (429)

Music Voc./Gen K-12 (428)

Dance K-12 (445)

Recommendation for teacher licensure in any of the following teaching areas is contingent upon the completion of a baccalaureate degree in the appropriate academic area followed by completion of the Master of Arts in Teaching degree or licensure program:

Visual Arts (K-12)

English as a Second Language (K-12)

Elementary K-6 (499); Middle Grades 4-8 (440)

Early Childhood Pre K-3 (467)

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Special Education

Modified K-12 (460)

Comprehensive K-12 (461)

Early Childhood Pre K-1 (465)

Physical Education K-12 (420)

Secondary (Enhanced Student Teaching)

English 7-12 (407)

French K-12 (491)

German K-12 (492)

Spanish K-12 (495)

Russian K-12 (494)

Latin K-12 (493)

Other Foreign Language (496)

Mathematics 7-12 (413)

Biology 7-12 (415)

Chemistry 7-12 (416)

Physics 7-12 (417)

Earth Science 7-12 (418)

History 7-12 (421)

Government 7-12 (423)

Geography 7-12 (422)

Economics 7-12 (424)

Psychology 9-12 (426)

Sociology 9-12 (425)

Vocational Subject Areas

Business Education (474)

Business Technology (475)

Marketing (471) [only issues jointly with Economics (424)]

Students who intend to enter the Master of Arts in Teaching program should consult their major advisor and the College of Education, Health and Human Sciences Advisor for information about this program to ensure that the general education curriculum, pre-professional studies, and teacher licensure requirements are completed.

Endorsements at the Graduate Level

Speech/Language Pre K-12 (464)

Counselor K-12 (487)

School Administrator

Beginning Administrator K-12 (A Standard) (480)

Professional Administrator PreK-12 (483)

School Psychologist (089)

Library Information Specialist (073)

English as a Second Language (490)

Reading Specialist (486)

Admission to Teacher Education Program

Students who plan to pursue an undergraduate program of studies leading to teacher licensure must submit a formal application to the College of Education, Health and Human Sciences Teacher Education Program (TEP). Students are encouraged to apply for admission in their sophomore year.

Prerequisites for formal admission to the Teacher Education Program are as follows:

1. Complete a minimum of 45 semester hours.
2. Complete and submit the TEP application. Applications can be downloaded from the following site: <http://www.memphis.edu/cehhs/>
3. Complete with a grade of C- or above ENGL 1010, ENGL 1020, EDPR 2111, an appropriate course in speech, and the general education required Math course(s).
4. Take and submit satisfactory scores (according to criteria established by the Tennessee State Board of Education and the College of Education, Health and Human Sciences, the University of Memphis) on the Pre-Professional Skills Test (PPST). Students scoring a 22 or above on the Enhanced ACT do not have to take the PPST. Passing scores for the PPST: Reading 174, Writing 173, and Mathematics 173.
5. Earn and maintain a GPA of no less than 2.75. An undergraduate student whose cumulative grade point average drops below 2.75 will not be admitted/retained in the Teacher Education Program.
6. Interview successfully with College of Education, Health and Human Sciences faculty and P-12 teachers/administrators. You must have taken the PPST and have a 2.75 GPA to be interviewed.
7. Obtain recommendations from two college or university professors. Recommendation forms are included with the TEP application.
8. Submit and request forwarding to the Office of Teacher Education and Student Support Services a Tennessee Bureau of Investigation criminal history background check.

Candidates who do not meet the regular Teacher Education Program (TEP) Admissions criteria may apply for alternative admission based on the following policy:

Alternative Admission Based on PPST Scores

1. The candidates must meet the minimum cut-off scores for two of the three subtests or they cannot appeal. The writing subtest must be passed by all candidates.
2. The appealed PPST subtest score (math or reading) cannot vary more than 3% (5 points) from the acceptable minimum score.
3. Candidates who do not meet the minimum requirements must meet the following guidelines to submit an appeal based on PPST:
 - a. Must have a GPA of 3.00.
 - b. Must have taken the PPST subtest in question twice.
 - c. If appealing the Reading Subtest, the student must have at least a 3.00 average in general education literature course and an general education history course.
 - d. If appealing the Mathematics Test, the student must have a 3.00 average in all required mathematics courses in the general education curriculum.
 - e. All of the above courses must be taken at an accredited college.
4. Candidates **MUST** have take all relevant core courses as described above for their appeals to be considered.
5. Candidates who have the required grade point average and the required grades in the specified courses may be approved by the Director of Teacher Education without further appeal committee action.

Alternative Admission Based on Grade Point Average

Candidates appealing to be admitted to TEP because their grade point average has fallen below 2.75 must meet the following requirements in order to appeal:

1. Must have passed all sections of the PPST
2. Must provide, as part of their appeal, a plan describing the courses they will repeat or take to raise their grade point average to the 2.75 minimum and a proposed timeline. No restricted courses can be included in the plan.

Special Notes:

Candidates may not appeal for alternative admission if they have less than a 2.50 grade point average and have not met the minimum requirements of the PPST. These students will be advised individually regarding a remediation plan to improve their grade point average and/or PPST performance. In some instances, the candidate may be counseled out of the program.

Retention

Candidates may be referred for retention throughout their program of studies. If candidates' graded point average drops below the required 2.75, they will not be allowed to take any restricted courses in subsequent semesters and will lose their TEP admission status. Referrals can be made for academics, but also for teacher dispositions related to ethical or attitudinal problems. The College of Education, Health and Human Sciences Professional Dispositions guide the retention process. Candidates may be referred for counseling or be reviewed before the TEP Retention Committee.

Pre-Student Teaching Clinical Experiences

Students pursuing teacher licensure complete, as a part of their program, a variety of required clinical experiences incorporated into professional education courses. Students will be expected to have experiences in a variety of settings (real and virtual) and with pupils who reflect differences in age, socioeconomic backgrounds, and cultural heritage.

Clinical experiences include both laboratory experiences (typically fulfilled on campus) and field experiences (typically fulfilled in PreK-12 schools). The early childhood programs require field experiences in PreK-3 grades. Other licensure programs require placements in a variety of grades (K-12). The amount of time spent in a clinical experience varies according to the specific requirement being met. Fulfillment of these experiences requires that students make available out-of-class time between 7:00 a.m. and 4:00 p.m. All students are required to complete the number of field experience hours expected in their licensure area.

Completion of field experiences will occur in sites arranged and approved by the University of Memphis College of Education, Health and Human Sciences Office of School Based Clinical Practice.

Candidates preparing to apply for their Residency I Semester must submit passing scores on the appropriate Praxis II Content Knowledge Test the semester before the Residency I semester. Failure to pass the Praxis II Content Knowledge Test will prevent the candidate from being admitted to the Residency I Semester. In addition, each candidate must provide evidence of professional liability insurance policy for at least one million dollars.

Residency II/ Student Teaching

Students who pursue degree programs at the University of Memphis that lead to teacher licensure must complete their Residency II/student teaching requirements in placements arranged, coordinated, and approved by the Clinical Coordinator of the College of Education, Health and Human Sciences. Student teaching assignments are full day in length for 15 weeks.

Residency II/ student teaching is offered only during the spring semesters in area schools. No student teaching assignments for initial licensure are made during the summer semester. Under the direction of cooperating teachers and university supervisors, opportunities are provided for observation of sound teaching practices and for realistic experiences culminating in assumption of full-time teaching responsibilities.

All students seeking initial licensure are required to complete a professional semester consisting of a minimum of 15 weeks of student teaching and an associated seminar. **NO OTHER COURSES MAY BE TAKEN DURING THE PROFESSIONAL SEMESTER.**

Grades in student teaching are reported as "S" (satisfactory) or "U" (unsatisfactory).

Requirements for enrollment in student teaching are:

1. File an application the semester before student teaching.
2. Gain full admittance to and be in good standing in the Teacher Education Program one semester before student teaching.
3. Attain classification as a senior with a minimum grade point average of 2.75.
4. Complete of all prerequisite professional education courses.
5. Earn a minimum grade of "C" in University General Education Program courses, each required professional education course, and each course in the major.
6. Submit passing scores on all required Praxis II licensure exams for the specific area of licensure being sought. Candidates must submit scores on the exam preferably at the

time of application to student teaching, but no later than 30 days prior to the first day of student teaching for the semester in question. Satisfactory scores on PRAXIS II examinations are required for teacher licensure in Tennessee.

7. Must have a background check on file.

Graduation

To be recommended for graduation and licensure, students must complete the requirements listed below:

1. Minimum of 120 semester hours, including at least 45 hours of upper division courses.
2. Overall minimum GPA of 2.75.
3. A minimum GPA of 2.75 in all courses taken at the University of Memphis, excluding all credit transferred from other institutions.
4. Minimum grade of "C" in each required professional education course and each course in the major. Candidates can only repeat a professional education course once. Failure to make a satisfactory grade on the second attempt will result in disqualification from the teacher education program.
5. Submit scores for all Praxis II licensure exams.
6. Successfully complete the Teacher Performance Assessment (edTPA).

For Tennessee Teacher Licensure, students must obtain satisfactory scores in Principles of Learning and Teaching and Specialty Area Examinations of the PRAXIS II, according to the criteria established by the Tennessee State Board of Education.

Any courses taken in excess of those needed to fulfill the requirements of professional education courses and major and minor endorsement areas, are considered to be general electives and are included only in the calculation of the overall GPA. In those areas where students are required to take elective courses, the student, in consultation with and approval of the major advisor, designates where the elective courses are to be applied.

Majors

In addition to completing the degree requirements listed above for teacher licensure, B.S.Ed., students must complete requirements for the Human Development and Learning, Integrative Studies, Physical Education Teacher Education, or Special Education major. Following the requirements for these majors are the requirements for the non-licensure degree and majors offered through other departments in the college.

Careers in Related Occupational and Professional Areas

Career options are available in related occupational and professional areas of Dietetics, Food Systems Management, Exercise Science, Physical Education, Leisure Management, and Sport Management through the Department of Health and Sport Science.

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B.S.ED Requirements (Non-Licensure)

B.S.Ed. REQUIREMENTS (NON-LICENSURE)

Non-licensure B.S.Ed. programs include the majors offered through the Department of Health and Sport Sciences. Students may also complete a non-licensure major in the Department of Instruction and Curriculum Leadership. Degree requirements for these majors include the following:

Graduation

In addition to specific course requirements listed below, students must complete the following:

1. Minimum of 120 semester hours of which at least 45 hours must be upper division and at least 45-51 hours must be liberal content courses.
2. Overall minimum GPA of 2.00.
3. A minimum GPA of 2.00 in all credits earned at the University of Memphis excluding all credit transferred from other institutions.
4. A minimum GPA of 2.25 in all courses required for fulfilling the completion of the major.
5. For the Health and Human Performance and Sport and Leisure Management majors, a minimum GPA of 2.50 in the major (including major core, and concentration requirements) is required for fulfilling the completion of the major.
6. For the Health and Human Performance and Sport and Leisure Management majors, a minimum grade of "C" in all courses required in the major core and concentration, and a 2.00 average for all guided elective courses.

NOTE: Any courses taken in excess of those needed to fulfill the requirements of the major are considered to be general electives and are included only in the calculation of the overall GPA. In those areas where students are required to take elective courses, the student in consultation with and approval of the major advisor, designates where the elective courses are to be applied.

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Department	Major Click below for Major Requirements. Click on Tiger Paw for Course Descriptions	Concentration Within Major	Degree Offered
Health and Sport Sciences	Health and Human Performance	1. Dietetics 2. Exercise and Sport Science 3. Health Promotion and Life Style Management	Bachelor of Science in Education (B.S.Ed.)
	Physical Education Teacher Education	NONE	Bachelor of Science in Education (B.S.Ed.)
	Sport and Leisure Management	NONE	Bachelor of Science in Education (B.S.Ed.)
Instruction and Curriculum Leadership	Human Development and Learning	NONE	Bachelor of Science in Education (B.S.Ed.)
	Teaching All Learners	Programs that lead to licensure: 1. Elementary (K-6) / Special Education Modified (K-12) Licensure 2. Non-Licensure 3. Special Education Comprehensive (K-12 Add-on only)	Bachelor of Science in Education (B.S.Ed.)
	Integrative Studies	1. Middle Grades (Licensure) 2. Society Services (Non-Licensure)	Bachelor of Science in Education (B.S.Ed.)

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Organization

The Herff College of Engineering is organized into the Departments of Biomedical Engineering, Civil Engineering, Electrical and Computer Engineering, Mechanical Engineering, and Engineering Technology. Each department offers a choice of specialized four-year programs leading to baccalaureate degrees. Graduate programs are offered in all of the engineering disciplines listed above.

Freshman students entering the Herff College of Engineering will be advised by the College Academic Advisor, who will assist students with class schedules and facilitate changes of major and other academic needs. After students accumulate an appropriate number of hours, their advising will be transferred to a faculty member in the department of their major.

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Academic Programs

Department	Major Click Major below for Requirements. Click on Tiger Paw for Course Descriptions	Concentration Within Major	Degree Offered
Biomedical Engineering	Biomedical Engineering	NONE	Bachelor of Science in Biomedical Engineering (B.S.B.E.)
Civil Engineering	Civil Engineering**	<ol style="list-style-type: none"> 1. Construction Engineering 2. Environmental Engineering 3. Geotechnical Engineering 4. Structural Engineering 5. Transportation Engineering 	Bachelor of Science in Civil Engineering (B.S.C.E.)
Electrical and Computer Engineering	Electrical Engineering**	<ol style="list-style-type: none"> 1. Computer Engineering 2. Electrophysics 3. Systems and Signals 	Bachelor of Science in Electrical Engineering (B.S.E.E.)
	Computer Engineering**	NONE	Bachelor of Science in Computer Engineering (B.S.C.P.E.)
Mechanical Engineering	Mechanical Engineering**	NONE	Bachelor of Science in Mechanical Engineering (B.S.M.E.)
Engineering Technology	*Engineering Technology***	NONE	Bachelor of Science in Engineering Technology (B.S.E.T)

*Minor available.

**Note: Accredited by the Engineering Accreditation Commission of ABET, Inc.

***Note: Accredited by the Technology Accreditation Commission of ABET, Inc. Contact: Accreditation Director, ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202 (410)347-7700, Fax (410)625-2238.

Individual program requirements described in *the University of Memphis 2013-2014 Undergraduate Catalog* are subject to change. Please consult the college level advisor for changes that may occur before publication of the next issue of this *Catalog*.

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Computer Requirements

Every year, software tools become more entwined with practice of the engineering profession. In addition to preparing our students for professional practice by teaching them how to use these tools, our undergraduate curricula employ software tools to efficiently and effectively deliver subject matter expertise, to enhance student-teacher interaction, to assess student learning, and to increase student achievement. Therefore, the faculty of the Herff College of Engineering requires that each student enrolled in the college's programs possess computing resources that meet or exceed certain minimum specifications. Current requirements and specifications are posted [here](#).

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College of Arts and Sciences

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[Social Work \(SWRK\)](#)
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[Women's Studies \(WMST\)](#)

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Fogelman College of Business and Economics

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[Finance \(FIR\)](#)
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[Management Information Systems \(MIS\)](#)
[Management \(MGMT\)](#)
[Marketing \(MKTG\)](#)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

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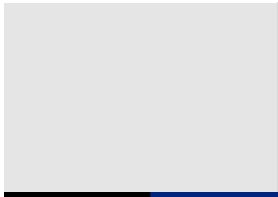
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Degree Requirements

Students must satisfy all university, college and departmental degree requirement for the degree desired. University requirements may be found in the "Graduation from the University" section of this Catalog. The College requires that a minimum of 30 hours of the hours required by the University for residency be taken as upper division hours in courses in the Herff College of Engineering. Specific departmental requirements are subject to change and students should consult their advisor regularly to learn of changes that occur.

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Accelerated BS/MS

Qualified students are allowed to earn a Bachelor's degree in an approved undergraduate discipline and a Master's degree in Biomedical Engineering (BME) in five years. Students with high school advanced placement credits may require less time. Students will join research teams organized through the Joint Graduate Program in Biomedical Engineering, which is shared by the University of Memphis and The University of Tennessee Health Science Center. Students may apply once they have reached sophomore standing and have completed one semester of course work.

In addition to an application form, students must submit one letter of reference and a copy of their transcript to the BME department. Each applicant will be required to complete an interview with a pre-graduate advisor in the BME department. In order to remain in the program past the junior year, students must maintain a minimum GPA of 3.25. Students in their senior year will become eligible to apply for combination senior status, allowing them to take graduate courses in BME. To continue in this program past the B.S., students must submit a "Change of Status" application with Graduate Admissions. Further information may be found at:
<http://enr.memphis.edu/threetwo.html>.

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Honors Program

The Honors in Mechanical Engineering Program provides an exceptional educational opportunity for highly motivated students to develop their talents, interests, and abilities within a curriculum designed to encourage independence and creativity.

Admission: Incoming freshmen who score a minimum of 26 on the ACT or its equivalent are invited to participate. Transfer students or students previously enrolled at the University of Memphis are eligible for the program if they have an overall grade point average of 3.00 and a grade point average of 3.25 for course work within the Herff College of Engineering. The departmental honors committee admits eligible students to the program upon approval of Intent to Pursue Honors application. Students with academic records that fall short of these requirements may apply for provisional acceptance.

Retention: Participants must maintain a minimum overall grade point average of 3.00 and a minimum grade point average of 3.25 for course work within the college to continue in the program. The departmental honors committee may grant participants failing to meet this requirement a one semester probationary period before they are dismissed from the program.

Requirements: To qualify for "With Honors in Mechanical Engineering", a student must successfully complete a minimum of 18 semester hours from the following: 1) MECH 4395 and MECH 4396, 2) 9 credits of upper division mechanical engineering honors courses, and 3) 3 credits of MECH 1395, MECH 2395, or MECH 3395. A minimum grade of "B" is required in each honors course for it to count toward fulfilling the honors course requirement, but regular credit for the course will be earned if the grade is lower than a "B".

Thesis: A participant must select a major advisor during the first semester senior year and enroll in MECH 4395. Successful completion of this course requires acceptance of a thesis proposal by the departmental honors committee. During the second semester of the senior year a participant must enroll in MECH 4396. Successful completion of this course requires acceptance of a thesis by the departmental honors committee.

Designation Of "With Honors In Mechanical Engineering": Students successfully completing the prescribed course work will have earned the designation of "With Honors in Mechanical Engineering." This designation will be recognized at the commencement ceremony and it will appear on the transcript and diploma.

Graduation: To qualify for the degree of Bachelor of Science in Mechanical Engineering, the student must satisfy University and College requirements, and obtain a minimum 2.0 grade point average on all work completed, and obtain a minimum grade of "C-" in all engineering, mathematics, physics, and chemistry courses used to satisfy degree requirements. Waiver of departmental graduation requirements for exceptional circumstances will be granted only upon approval of both the department chair and the Dean of the College of Engineering (or designee).

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Organization

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Program Outcomes

Baccalaureate graduates of the Loewenberg School of Nursing:

1. Apply leadership and decision-making skills to create a safe, caring environment necessary for the delivery of quality care within dynamic health systems.
2. Translate current clinical and research-based evidence into practice to improve patient health outcomes.
3. Incorporate patient care technologies with information and communication systems to provide evidence-based care that is safe and cost effective.
4. Participate in healthcare policy and political processes to positively influence socio-cultural, economic, legal and political factors that shape healthcare delivery and professional nursing practice.
5. Communicate and collaborate effectively both inter-professionally and intra-professionally to optimize patient health outcomes.
6. Implement clinical prevention and health promotion strategies to improve patient health outcomes.
7. Emulate professional values and ethical behaviors in all dimensions of nursing practice.

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Degree Requirements

1. To qualify for the degree of Bachelor of Science in Nursing, the student must complete a minimum of 120 semester hours with the minimum overall grade point average of 2.0 and must meet specific grade requirements described below.
2. A minimum grade of "C" must be earned for English 1010 and 1020, each required science course, each required upper division course, and each required nursing course.
3. Detailed course requirements are described below under General Education Program Requirements, Other Support Course Requirements, and Nursing Course Requirements.

Nursing Major (B.S.N.)

A. University General Education Program (41 hours)

See [Graduation from the University](#) for University General Education Program requirements. Note the following requirements are specified for this program: Natural Science: BIOL 2010/2011*, 2020/2021*; Social/Behavioral Sciences: PSYC 1030 or SOCI 1010.

B. Support Courses for Nursing Major (10 hours)

Microbiology (4 hours)*: BIOL 1230/1231

Nutrition (3 hours): NUTR 2202 or 3202.

Statistics (3 hours): MATH 1530, EDPR 4541, or SOCI 3311, with a minimum grade of "C". (If MATH 1530 is used for math general education course and support course, the student will need an elective course for the additional 3 hours.

All support courses must be completed with a minimum cumulative grade of "C".

* Science courses must have a minimum cumulative grade point average of 2.66 and must have been completed in the past 7 years. Refer to Science Course Validation section below.

C. The Major (66 hours)

Completion of NURS 3005 (2), 3006 (1), 3105, 3106 (2), 3000, 3101 (2), 3103 (1), 3205, 3206, 3127, 3129 (1), 3217 (2), 3219 (2), 3227 (2), 3229 (2), 3230, 3231, 3305, 3360, 3400, 4110, 4127, 4129 (1), 4205 (4), 4206 (8).

D. Elective (3 hours)

Any upper division course at the 3000 or 4000 level.

Nursing Course Requirements - Basic Students/Accelerated BSN Option

Nursing (66 hours): NURS 3017, 3018 (1), 3019 (2), 3000, 3101 (2), 3117 (4), 3118 (1), 3119, 3127, 3129 (2), 3217 (2), 3219, 3227 (2), 3229 (2), 3230 (2), 3400, 4110, 4117, 4119, 4120, 4127, 4129 (2), 4227, 4229 (4) 4335.

Upper Division Elective (3 hours): Any 3000-4000 course.

Nursing Course Requirements - RN Students

Nursing (30 hours): NURS 3108 (2), 3201, 3410, 3420, 4110, 4120, 4317, 4319 (2), 4327, 4329 (2), 4335.

Upper Division Elective (3 hours): Any 3000-4000 course.

The remaining hours for the major requirements are fulfilled by validation.

Under the Tennessee Career Mobility Plan registered nurses who have graduated from

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
 African and African American Studies (AAAS)
 Anthropology (ANTH)
 Biology (BIOL)
 Chemistry (CHEM)
 Computer Science (COMP)
 Criminology and Criminal Justice (CJUS)
 Earth Sciences (ESCI)
 English (ENGL)
 Emergency Management(EMGT)
 Environmental Studies (ENVR)
 Health Administration (HADM)
 History (HIST)
 International Studies (INTL)
 Judaic Studies (JDST)
 Mathematics (MATH)
 Military Science (ARMY)
 Naval Science (NAVY)
 Philosophy (PHIL)
 Physics (PHYS)
 Political Science (POLS)
 Open Learning Fire Services Program (PADM)
 Public and Nonprofit Administration (PADM)
 Psychology (PSYC)
 Religious Studies (RLGN)
 Social Work (SWRK)
 Sociology (SOCI)
 Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
 Chinese (CHIN)
 Classics (CLAS)
 French (FREN)
 German (GERM)
 Greek (GREK)
 Hebrew (HEBR)
 Italian (ITAL)
 Japanese (JAPN)
 Languages and Literature (LALI)
 Latin (LATN)
 Portuguese (PORT)
 Russian (RUSS)
 Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
 Business Administration (BA)
 Supply Chain Management Science (SCMS)
 Economics (ECON)

Tennessee schools or out-of-state NLN accredited programs will be able to progress to the baccalaureate degree in nursing without testing to verify previous nursing education. Registered nurses articulating to the baccalaureate level may be awarded or transfer in nursing credits equivalent to approximately one year of nursing courses. For this to occur, a minimum grade of "C" must have been earned in previous nursing course work. Nursing credits transferred or awarded will be held in escrow. These credits will be placed on individual transcripts only after students have successfully completed 15 hours of nursing courses with a minimum grade of "C" in The Loewenberg School of Nursing. Non nursing credits are transferred according to university policies. Testing will be required for graduates of non NLN accredited programs or for students who have not been in active clinical practice in the past three years.

The following represent typical schedule plans for basic students.

Basic BSN Students

Freshman Year

ENGL 1010	3	ENGL 1020	3
BIOL 2010/2011	4	BIOL 2020/2021	4
Humanities*	3	History*	3
History*	3	MATH*	3
Social/Behavioral Sciences*	3	Humanities*	3
Semester Totals	16 hrs		16 hrs

Sophomore Year

ENGL 2201 or 2202	3	NURS 3005	2
BIOL 1230/1231	4	NURS 3306	1
Social/Behavioral Sciences*	3	NURS 3101	2
NUTR 2202 or 3202	3	NURS 3103	1
COMM 2381	3	NURS 3105	3
		NURS 3106	2
		NURS 3400	3
Semester Totals	16 hrs		14hrs

Junior Year

NURS 3000	3	NURS 3217	2
NURS 3127	3	NURS 3219	2
NURS 3129	1	NURS 3305	3
NURS 3205	3	NURS 3306	3
NURS 3206	3	NURS 4110	3
NURS 4127	3	Statistics ¹	3
NURS 4129	1		
Semester Totals	17 hrs		16 hrs

Senior Year

NURS 3227	2	NURS 4205	4
NURS 3229	2	NURS 4206	8
NURS 3230	3		
NURS 3231	3		
Elective	3		
Semester Totals	13 hrs		12 hrs

*Must satisfy University General Education Program Requirements

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing Nursing (NURS)

Take one of the following: EDPR 4541, SOCI 3311, or any approved statistics course. If statistics was taken as your general education math, either MATH 1530, you may take an elective course.

Note: Progression Of Nursing Coursework: All courses in group A must be completed before enrolling in any courses in group B. All courses in group B must be completed before enrolling in any courses in group C.

A. NURS 3005, 3006, 3101, 3103, 3105, 3106, 3400.

B. NURS 3000, 3127, 3129, 3205, 3206, 3217, 4127, 4129.

C. NURS 3227, 3229, 3230, 3231, 4205, 4206.

The following represent a sample full-time schedule for RN students:

RN (Upper Division Requirements)

Senior Year

*Statistics prior to nursing courses.

NURS 3108	2	NURS 4110	3
NURS 3201	3	NURS 4120	3
NURS 3410	3	NURS 4327	3
NURS 3420	3	NURS 4329	2
NURS 4317	3	NURS 4335	3
NURS 4319	2	UD elective	3

Semester Totals 16 hrs 17 hrs

* Take one of the following: EDPR 4541, PSYC 3001, or SOCI 3311, or any approved statistics course.

Science Course Validation: If seven years have lapsed since credit was earned in BIOL 2010/2011 and 2020/2021 (Anatomy and Physiology), or BIOL 1230/1231 (Microbiology), the content is considered outdated, and students are required to either repeat the course(s) or validate currency of knowledge. Required validation of current science knowledge for RNs will occur through employer verification, repeating of course, taking a higher level science course in the same field, or obtaining a fiftieth (50th) percentile score or above on the NLN appropriate science test.

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[University College \(UNIV\)](#)

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Admission

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Admission

Because the University seeks to provide in as much as possible a reasonably safe environment for its health career students and their patients, students may be required during the course of the program to demonstrate their physical and/or emotional fitness to meet the essential requirements of the program. Such essential requirements include freedom from communicable diseases, the ability to perform certain physical tasks, and suitable emotional fitness. Any appraisal measures used to determine such physical and/or emotional fitness will be in compliance with Section 504 of the Rehabilitation Act of 1973 and the American with Disabilities Act of 1990, so as not to discriminate against any individual on the basis of disability. See specific criteria under Sophomore Admission

Core performance standards for admission and progression:

- A. Critical thinking ability sufficient for clinical judgment.
- B. Interpersonal abilities sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.
- C. Communication abilities sufficient for interaction with others in verbal and written form.
- D. Physical abilities sufficient to move from room to room and maneuver in small spaces.
- E. Gross and fine motor abilities sufficient to provide safe and effective nursing care.
- F. Auditory ability sufficient to monitor and assess health needs.
- G. Visual ability sufficient for observation and assessment necessary in nursing care.
- H. Tactile ability sufficient for physical assessment.

Admission

Freshman Admission

Qualified high school seniors admitted as freshmen to the University of Memphis may at the time of admission to the University be directly admitted to the nursing major by applying to the School of Nursing after receiving admission to the University. Freshman admission to the nursing major guarantees the student who remains in good standing placement in the nursing program in the second semester of the sophomore year.

Freshmen admitted to the nursing major must remain in "good standing" by completing the prescribed curriculum at The University of Memphis for the freshman year and 1st

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semester of the sophomore year with a minimum grade of "C" in all required prerequisite courses, a cumulative grade point average of 2.7 for the prescribed three semesters of coursework and a science cumulative grade point average of 2.66. Students who do not remain in "good standing" may reapply to the LSON in a competitive pool with other students. See Sophomore Admission.

Freshman admission requirements:

1. Completion of high school Algebra I, II, Geometry, Biology, and Chemistry.
2. Minimum ACT score of 21 with a minimum score of 19 in all areas.
3. Graduation from an accredited high school with a cumulative grade point average of 3.0.

Applicants will be rank-ordered on the basis of a calculated point system:

Freshman Point System

Cumulative high school quality point average x 100 added to the ACT score x 10 or SAT score.

Sophomore and Accelerated Second Baccalaureate Degree BSN Admission

To Be Admitted to the Loewenberg School of Nursing, a student must:

1. Be admitted to the University of Memphis as degree-seeking undergraduate student.
2. Have a minimum college cumulative grade point average of 2.7, a cumulative of 2.66 in prerequisite science courses. (A prerequisite science course may be repeated only once to earn a minimum grade of "C". A maximum of two prerequisite science courses may be repeated to earn the minimum required grade.)
3. Have completed specific pre-nursing courses with a minimum grade of "C" in all courses:

ENGL 1010 & 1020: English Composition I & II (6)

BIOL 2010/11 & 2020/2021: Anatomy & Physiology I & II (8)

BIOL 1230/1231: Microbiology (4)

SOCI 1010: Introduction to Sociology (3); PSYC 1030: General Psychology

NUTR 2202 Nutrition or 3202: Nutrition for Health Care (3)

MATH 1420: Foundations of Mathematics, MATH 1530: Introduction to Statistical Reasoning and Application, or MATH 1710: College Algebra or Math 2000: Experiences in Mathematics, or MATH 1830: Elementary Calculus, or MATH 1910: Calculus I

4. Clearance of any high school deficiencies.
5. Complete the Test of Essential Academic Skills (TEAS V) with a minimum overall score of 62.5% (72% on the TEAS IV) and a minimum score of 60 in each of the four test components; Reading, Math, Science, and English. The test can be repeated to achieve the required scores.
6. Have a minimum TOEFL score of 173 computer-based, 61 Internet-based, or 500 paper-pencil, or a minimum IELTS score of 5.0 (for students for whom English is a second language).
7. If transferring from another nursing program, must submit a letter of good standing from the dean/director of the previous nursing program, along with a transcript, and meet LSON admission and progression standards as stated in the Undergraduate Catalog.
8. Complete and submit Loewenberg School of Nursing application for admission on the Loewenberg School of Nursing website: www.memphis.edu/nursing

Sophomore Admission must have complete files by the deadline (February 15 for Fall; October 1 for Spring) to be considered. (In order to allow adequate time for processing of the University of Memphis transfer credit evaluation you should receive your acceptance letter to the University by September 15 for Spring term or February 1 for Fall term).

Accelerated Second Baccalaureate Degree BSN Option students must have complete files by February 15 for fall admission.

RN-BSN

1. Be admitted to the University of Memphis as a degree-seeking undergraduate

student.

2. Have a minimum college cumulative grade point average of 2.7, a cumulative grade point average of 2.66 in prerequisite science courses. (A prerequisite science course may be repeated only once to earn a minimum grade of "C". A maximum of two prerequisite science courses may be repeated to earn the minimum required grade.)
3. Have completed specific pre-nursing courses with a minimum grade of "C" in all courses.
4. Hold an unencumbered, active RN license (NCLEX accepted for TEAS).
5. Provide validation of current science knowledge through employer verification, repeating of course, taking a higher level science course in the same field, or obtaining a fiftieth (50th) percentile score on the NLN appropriate science test.

Selection of Students

1. All students admitted as freshmen students to the nursing major who remain in good standing will be accommodated.
2. After freshmen nursing majors have been accommodated, all other students will be considered on a competitive space available basis according to GPA.

Admission Procedures:

1. Freshman admission students must have complete files by May 31.
2. Sophomore and Accelerated BSN students must have complete files by the deadline (February 15 for Fall; October 1 for Spring) to be considered.
3. Acceptance into the school will be based on rank-order cumulative GPA.
4. If individuals have the same GPA, the order will be determined by the amount of prerequisite and support course work completed.
5. A new list will be created each semester. Students who are not accepted must reapply for consideration the next semester.
6. An alternate list will be established each semester to fill vacancies that might occur before the beginning of class. The criteria for the alternate list will be the same as for the acceptance list.

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Advanced Placement Admission

To be admitted with advanced placement, the Registered Nurse must:

1. Be admitted to the University of Memphis as a degree-seeking undergraduate student.
2. Have current licensure as a Registered Nurse in Tennessee.
3. Submit evidence of recent clinical practice.
4. Have a minimum college cumulative grade point average of 2.7.
5. Have completed specified pre-nursing courses with a minimum grade of "C": ENGL 1010, 1020 (6); BIOL 2010/2011, 2020/2021 (8), MATH 1420, MATH 1530, or MATH 1830, 1910 or 2000, BIOL 1230/1231 (4); SOCI 1111 or PSYC 1200; NUTR 3202*.
6. Minimum of 2.66 cumulative grade point average in required laboratory science courses: BIOL 2010/2011 and 2020/2021; BIOL 1230/1231. A prerequisite science course may be repeated only once to earn a minimum grade of "C". A maximum of two prerequisite science courses may be repeated to earn the minimum required grade.
7. Must meet the Sophomore Admission Criteria identified earlier, except that NCLEX is required instead of the TEAS..

*Credit in NUTR 2202 may also be used to meet this course requirement

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Accelerated Second Degree

Accelerated Second Degree BSN Program Options

The graduate with a non-nursing Bachelor's degree may choose to enroll in the Accelerated Second Degree BSN Program Option. The 16-month program allows students to master theoretical and clinical knowledge and skill needed to become a professional nurse who is prepared to positively influence nursing and the health of the global community. Enrollment in the Accelerated Second Degree BSN Program Option is in the fall semester and consists of three semesters on one summer of the nursing major. More information is located on the [Loewenberg School of Nursing website](#).

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Advising

Students who are completing courses required for admission to The Loewenberg School of Nursing receive advising through the Academic Counseling Center. However, questions about admission requirements may be addressed to the Assistant Dean for Students in the Loewenberg School of Nursing. The Assistant Dean for Students advises RN students while they are completing courses required for admission to The Loewenberg School of Nursing.

Following admission to the School of Nursing, each student is assigned an Academic Advisor from the school. The Academic Advisor will assist the student in planning for completion of the BSN program and will provide the opportunity for meaningful discussion regarding academic progress and career goals. This assistance, however, does not in any way relieve the student of the primary responsibility for studying the Undergraduate Catalog and fulfilling all the requirements for the degree.

Each student is assigned a Faculty Advisor with the School of Nursing, who will mentor and advise students in areas related to learning needs, study skills, meaningful program of study development, long-term professional and leadership development, and will provide career coaching and development of lifelong learning, reasoning/decision making, judgment skills, and balance of college life.

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Loans and Scholarships

Students are encouraged to complete applications and forms for financial aid. These are available in the [Student Financial Aid Office](#). Some scholarships are also available through The Loewenberg School of Nursing. These scholarship applications are available in the school office.

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Fees

Practicum nursing courses require an additional fee of \$60 and Skills Laboratory courses an additional fee of \$50 and \$122. Theory courses have an additional fee of \$25 for testing. These fees are not included in the Fee Schedule.

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Residency

University residence requirements are explained in detail in the Graduation from the University section of this catalog. Note that students transferring from a community or junior college must complete a minimum of sixty semester hours in an accredited senior institution. In addition, 30 of the last 60 semester hours for the degree must be completed at the University of Memphis.

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Progression in the Nursing Major

1. A nursing course may only be entered twice.
2. A minimum grade of "C" must be earned in each nursing course to progress. Failure to earn a minimum grade of "C" will require repeating the course before attempting other nursing courses.
3. When the theory or clinical component of any course sequence must be repeated, the companion course must also be repeated even though a satisfactory grade has been earned.
4. Irregular progression students who are out of clinical nursing course work for longer than three months will be reviewed by the Associate Dean who may require testing or the repetition of courses in which satisfactory grades have been earned.

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Disqualification from the Nursing Major

1. Failure to earn a minimum grade of "C" or better, or "S" (clinical) when repeating a nursing course.
2. Failure to earn a "C" or better, or "S" (clinical) in two nursing courses.
3. Professional/academic misconduct or dishonesty.
4. Falsification of any academic/medical/nursing record or misrepresentation of nursing care or credential.
5. Clinical practice that places patients in physical or emotional jeopardy after the student is taught otherwise.
6. Failure to adhere to LSON substance abuse policy.

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Clinical Nursing Course Requirements

Before enrolling in a clinical nursing course, students must present evidence of current CPR certification, professional liability insurance (\$1,000,000 per occurrence/\$3,000,000 aggregate minimum coverage), criminal background and credential check, appropriate immunizations and titers, and a statement of good health, including a negative PPD skin test or chest x-ray. Immunizations and titers include DT, measles, mumps, polio, Hepatitis B; Rubella vaccine or titer showing immunity; varicella titer. The basic nursing student will pay for malpractice insurance at fee payment. RN students must purchase their own insurance and present evidence prior to enrolling in clinical nursing courses. RN students are also required to present evidence of current licensure in Tennessee.

Students are encouraged to complete these requirements during the semester prior to anticipated enrollment. No student will be allowed to participate in clinical learning experiences until these requirements are satisfied.

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Credit by Exam

Credit for some of the upper division nursing courses may be earned through credit by examination. Other methods of earning credit are explained in detail in the [Academic Regulations](#) section of this Catalog.

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RN Licensure

Upon graduation from the program, graduates are eligible to take the NCLEX examination for licensure at testing sites determined by the Tennessee Board of Nursing.

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Student Organizations

Students are encouraged to join their professional organization, Student Nurses' Association. This is the local chapter of the National Student Nurses' Association.

Senior students who have achieved a 3.0 cumulative grade point average and who are recommended by faculty are eligible to apply for induction into Sigma Theta Tau, Beta Theta Chapter at Large of the international nursing honor society.

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Department*	Major**	Concentration Within Major	Degrees Offered
	Professional Studies	Alcohol and Drug Abuse Services** Child Development** Dance** Disability Studies and Rehabilitation Services Merchandising - Fashion Merchandising - Home Furnishings Health Services Administration Human Services Law Enforcement Administration Nonprofit Development and Administration Organizational Leadership Paralegal Studies Pre-School and Childcare Administration Technology Management Services	Bachelor of Professional Studies (B.P.S.)
	Professional Studies (RODP)	Information Technology*** Organizational Leadership***	Bachelor of Professional Studies (B.P.S.)
	Liberal Studies	Asian Studies and International Trade Judaic Studies** (see College of Arts and Sciences) Religion in Society**	Bachelor of Liberal Studies (B.L.S.)
	Liberal Studies (RODP)	Interdisciplinary Studies***	Bachelor of Liberal Studies (B.L.S.)

Individual program requirements described in the *University of Memphis 2013-2014 Undergraduate Catalog* are subject to change.

* University College is not composed of departments. The college's degree programs are interdisciplinary which means many required courses within a student's Coordinated Study are offered by other departments within the University.

** Minors are available in Alcohol and Drug Abuse Services, American Studies, Child Development, Dance, Judaic Studies, and Religion in Society.

***These concentrations are offered both on campus and completely online through the Regents Online Degree Program (RODP).

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Admission

In addition to following the procedure for admission to the University of Memphis, prospective students seeking admission to University College must also declare a major within the college. The form can be found at <http://www.memphis.edu/univcoll/forms.php>

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Student Evaluation

A student's performance is evaluated by: a traditional grading system (A-F), Satisfactory/Unsatisfactory, and Credit/No Credit options supplemented by written narrative evaluations; credit or placement by examination; Advanced Placement examinations for degree credit where available; and credit for validated learning from experience or non-traditional instruction. Of the 120 credit-hours required for graduation (except for the Regents Online Degree Program), at least 30 of the last 60 hours must be earned through credit at the University of Memphis.

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Honors

Students within the University Honors Program may pursue one of two tracks leading to "graduation with honors": University Honors or University Honors with Thesis.

University Honors: To attain "University Honors," with transcript and diploma notations, students complete 24 semester hours of honors coursework that includes UNHP 1101 and 1102 (see UNHP course descriptions). Students must

- complete the Honors Certificate,
- complete an Honors Thesis with a minimum grade of 3.0, and
- have a 3.25 cumulative grade point average.

Some of the Honors coursework may count toward the Bachelor of Liberal Studies, Bachelor of Professional Studies, or University General Education Program courses, and some may be part of the student's elective hours. The Senior Project may be designed to meet the Honors Thesis requirement. Consult the University Honors Program listing in this Catalog for detailed information about the Honors designation.

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College Requirements

University College offers the Bachelor of Professional Studies (B.P.S.) and the Bachelor of Liberal Studies (B.L.S.) undergraduate degrees. These degrees require completion of the following:

General Education Courses (35-41 hours)

See the Graduation from the University link for the University General Education Program requirements.

Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement.

Coordinated Study (33 upper-division hours)

The Coordinated Study (i.e., courses that make up a student's major) must consist of courses from two or more academic disciplines.

Coordinated Study credit may be earned through courses offered by other departments on campus, credit by examination, credit for experiential learning, transfer credit, internships, or independent study courses.

Students must earn a minimum grade of 2.0 in each graded course and a minimum of 2.25 GPA overall in the Coordinated Study. All Coordinated Study plans must include a minimum of 9 graded upper-division hours taken at The University of Memphis. These credit-hours must be earned in courses from two or more departments.

Thematic Studies (6 hours)

Thematic Studies courses examine a particular theme, problem, issue, or epoch from several points of view. These upper-division courses are designed to provide ways for undergraduates to integrate previous learning. All University College students must complete a minimum of 6 credit-hours of thematic studies courses. A list of thematic studies courses can be found at http://www.memphis.edu/univcoll/courseinfo/thematic_studies.php

The Senior Project (3 hours)

The Senior Project should include academic research or other creative activity resulting in a tangible project to demonstrate synthesis of a student's Coordinated Study. **PREREQUISITE:** Senior standing. A student must earn a minimum grade of "C" on the Senior Project. Completed projects must also receive administrative approval before students are certified for graduation.

Electives

Students may need to take lower or upper-division elective courses in order to reach the 120 credit-hours required for graduation. Such electives may typically be offered by any department at the University of Memphis.

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The Baccalaureate Contract Program

Undergraduate students admitted to University College may design either of two degrees through the Baccalaureate Contract Program: the Bachelor of Liberal Studies (B.L.S.) or the Bachelor of Professional Studies (B.P.S.).

To be eligible for this program, a student must have a cumulative undergraduate grade point average of 2.50. Upper-division courses within the student's Coordinated Study (i.e., major) must be from two or more departments on campus. In addition, the proposed degree must be unlike any other degree offered by the University of Memphis.

A Baccalaureate Contract Advising Committee, comprised of faculty members from the two primary departments represented in the student's Coordinated Study, will assist the student in the development and execution of a degree program that serves the student's needs and meets the academic requirements of University College and the University of Memphis. The committee members may be regular or adjunct members of the University of Memphis faculty. A third committee member is optional. The committee may direct the student in the preparation of a portfolio to obtain credit for knowledge gained through experience or nontraditional instruction (see Expenses and Aid for a description of credit evaluation fees in this bulletin).

All baccalaureate contracts will be reviewed and approved by a baccalaureate contract advisor and by the assistant dean of University College. The baccalaureate contract must include work to be completed in the following areas: (1) General Education, (2) Coordinated Study, (3) Thematic Studies, (4) a Senior Project, and (5) General Electives.

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Experiential Learning

Experiential learning is a systematic process for evaluating and credentialing learning gained in a variety of contexts. Upper/lower-division credit will be determined by a faculty assessor. For more details, please visit

http://www.memphis.edu/univcoll/experiential_learning.php

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A Second Bachelor's Degree

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Alcohol and Drug Abuse Services

Students in Alcohol and Drug Abuse Services concentration will select courses in either Social and Public Services or Administrative Services. All will take a core of courses in alcohol and drug abuse, social, and administrative services and will complete their degrees by taking courses relevant to their concentrations. All students must have on-the-job experience, evaluated through internships or portfolio assessment, or both.

Persons pursuing this degree typically provide services to those disabled by alcohol and drug abuse, including abusers, families, friends, colleagues, and associates. Wishing to build upon knowledge of and experience in alcohol and drug abuse treatment, persons served by these guidelines will seek careers in Alcohol & Drug Abuse (A&D) Services as administrators or as providers of social and public services in hospitals, social service agencies, employee assistance programs, churches, etc. Some may wish to continue their education in graduate-level programs.

These guidelines are designed for persons who can document previous paid and/or volunteer work in A&D services. Documentation must be included with your application.

Persons who have completed the Technical Certificate in Substance Abuse Counseling offered by Southwest Tennessee Community College will be able to apply their coursework to these guidelines. (Applicable STCC courses are listed in bold type.) State licensed substance abuse counselors will receive credit-hours applicable to the experiential learning/internship requirement upon submission of their certification credentials.

Program Summary

A. General Education (35-41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement.

B. Coordinated Study (51-58 hours)

Professional Core (3 hours) Choose one course:

SWRK 2911 Social Response to Human Need

COUN 4621 Human Interactions

Alcohol and Drug Core (6 hours) Choose two courses:

ANTH 4531 Alcohol, Culture and Biology

CJUS 3152 Drug Addiction and Alcoholism

COUN 4783 Alcohol and Drug Abuse Services

PSYC 3507 Alcohol, Drugs and Behavior

Statistical Methods (3 hours) Choose one course:

EDPR 4541 Fundamentals of Applied Statistical Methods

PSYC 3001 Psychological Statistics

SOCI 3311 Social Statistics

Professional Writing (3 hours) Choose one course:

ENGL 3601 Technical and Professional Writing

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ENGL 3604 Persuasive Writing

MGMT 3510 Business Communication*

Electives - Alcohol and Drug Abuse Studies (9 hours)

Credit may be earned as follows:

- By submitting a portfolio describing prior learning in A&D Services, not used to meet the internship requirement (see below).
- Taking additional approved courses.

Students choose one area of concentration in either Social and Public Services or Administrative Services.

Social and Public Services: (27 hours)

Courses in this concentration stress issues related to individual development and social behavior, as well as societal responses and aspects of public policy.

Group 1. Choose one course:

CJUS 4533 Juvenile Delinquency: Theory and Process

COUN 4781 Strategies for Crisis Intervention

PSYC 3102 Abnormal Psychology

SOCI 3501 Sociology of Deviant Behavior

SOCI 4852 Sociology of Mental Illness

Group 2. Choose three courses:

PSYC 3103 Child Psychology

PSYC 3106 Social Psychology or SOCI 3701 Individual and Society

PSYC 3506 Human Sexuality (Prerequisite: PSYC 1101 & 1102 or 1200)

SOCI 3432 Sociology of Gender

SOCI 3831 Marriage and the Family

SWRK 3902 Human Behavior and Social Environment*

(Prerequisites: SWRK 2911, or permission of instructor).

Group 3. Choose two courses:

ECON 3411 Economics of Social Issues

POLS 3213 Introduction to Public Policy

POLS 4224 Urban Problems

SOCI 3422 Racial and Ethnic Minorities: A Socio-Historical Approach

SOCI 4442 Sociology of Poverty

SOCI 4541 Sociology of Aging

SOCI 4851 Medical Sociology

Internship (9 hours)

Students completing courses in Social and Public Services will complete 450 hours of supervised therapeutic experience. These hours may be earned in two ways, as follows:

1. UNIV 2110 Field Experience (3) and UNIV 4110 Internship (12) may be taken in 3 or 6 credit increments or
2. Submission of State of Tennessee A&D Counselor Certifications, credited as UNIV 2985 Intermediate A&D Services (3) and UNIV 3985 Advanced A&D Services (12).

Administrative Services: (27 hrs) Courses in this concentration are basic to management and administration.

Group 1. Choose one course:

MGMT 3110 Organization and Management*

Finance (FIR)

Hospitality and Resort Management (HPRM)

Management Information Systems (MIS)

Management (MGMT)

Marketing (MKTG)

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Journalism (JOUR)

Theatre (THEA)

Music

Applied Music (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and

Appreciation (MUHL)

Music Industry (MUID)

Music Theory and Composition (MUTC)

Sacred Music (MUSA)

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Dietetics (NUTR)

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Health and Sport Sciences (HMSE)

Health Promotion (HPRO)

Physical Education Activities (PHED)

Physical Education Teacher Education (PETE)

Sport and Leisure Commerce (SLC)

Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)

Educational Services (EDSV)

Elementary Education (ELED)

Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

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Civil Engineering (CIVL)

Electrical and Computer Engineering (EECE)

Engineering (ENGR)

Mechanical Engineering (MECH)

Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

POLS 3601 Public Administration

Group 2. Choose two courses:

ACCT 2010 Fundamentals of Accounting I

ECON 2010 Introduction to Macroeconomics

ECON 2020 Introduction to Microeconomics

Group 3. Choose three courses:

ACCT 3011 Business Law*

ECON 4740 Health Care Economics*

FIR 3810 Principles of Risk and Insurance*

MGMT 3215 Management of Human Resources*

MGMT 4420 Organizational Behavior in Business

MGMT 4260 Employee Staffing and Development

MKTG 3010 Principles of Marketing*

POLS 4207 Health Politics and Policy

POLS 4208 Mental Health Policy and Law

POLS 4226 Introduction to Nonprofit Organizations

Group 4. Choose one course:

ECON 3411 Economics of Social Issues

POLS 3213 Introduction to the Study of Public Policy

POLS 4224 Urban Problems

SOCI 3422 Racial and Ethnic Minorities: A Socio-Historical Approach

SOCI 4442 Sociology of Poverty

SOCI 4541 Sociology of Aging

SOCI 4851 Medical Sociology

Internship (6 hrs)

Students completing courses in Administrative Services must complete 300 hours of experience in an approved setting. These hours may be earned in the following ways.

- UNIV 4110 - Internship (6 hours), may be taken in 3 or 6 credit increments, or
- UNIV 39xx - Advanced Experiential Learning (6 hours), based upon assessment of a portfolio describing prior experiential learning.

C . Thematic Studies (6 hours)

D. Senior Project (3 hours)

UNIV 4995 Senior Project (3 hrs) [Completed during the final semester]

E. Electives may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

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Child Development

Students following these guidelines will seek careers in child care centers, both for-profit and non-profit; Head Start; pre-schools; parent's day out programs; before and after school care programs; as child life specialists; child advocacy organizations and other community programs aimed at children. In addition to core courses based on early childhood development, these guidelines contain course work designed to develop skills and knowledge of the historical, social, cultural, and educational contexts of the field.

This program DOES NOT lead to teacher licensure. Students interested in gaining a teaching license should contact the College of Education, Health and Human Sciences at 678-2728.

Program Summary

A. General Education (35-41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement.

B. Coordinated Study (51 hours)

I. Child Development Core (18 hours)

CSED 3302 Child and Adolescent Development

OR

PSYC 3103 Child Psychology

AND

CSED 2101 Family in Global Perspective

CSED 3401 Parenthood Education

CSED 4211 Readings in Child Development and Family Relations

EDPR 2111 Development Across the Life Span

II. Family and Social Interactions (6 hours)

ANTH 3511 Culture, Kin and Family

COMM 3003 Television and Culture

PSYC 4034 Children's Social Relationships

SOCI 3422 Racial and Ethnic Minorities: A Socio-Historical Approach

SOCI 3432 Sociology of Gender

SOCI 3831 Marriage and the Family

SOCI 4442 Sociology of Poverty

III. Counseling (3 hours)

COMM 4341 Interpersonal Communication

COUN 4611 Introduction to Counseling

COUN 4621 Human Interactions

COUN 4781 Strategies for Crisis Intervention

COUN 4783 Alcohol and Drug Abuse Services

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IV. Historical Context (3 hours)

ANTH 3282 Cultural History of American Communities
HIST 3881 African-American History

HIST 4831 History of American Family
HIST 4851 History of Women in America
HIST 4853 History of African-American Women

HIST 4863 History of Childhood in America

V. Social Services and Public Policy (6 hours)

CJUS 4533 Juvenile Delinquency: Theory and Process

PADM 3601 Public Administration

PADM 4226 Introduction to Nonprofit Organizations

POLS 3213 Introduction to the Study of Public Policy

SWRK 2911 Social Response to Human Need

SWRK 3902 Human Behavior and Social Environment

SWRK 4934 Child Welfare Policy and Services

• Statistical Methods (3 hours)

EDPR 4541 Fundamentals of Applied Statistical Methods

PADM/POLS 4101 Political Statistics

SOCI 3311 Social Statistics

VII. Educational Context (3 hours)

ART 3411 Art for Children

CSED 4101 Preschool Curriculum

ECED 3555 * Observation and Assessment of Infant and Early Childhood Development

EXSS 3306 Elementary School Health and Wellness

SPED 2000 Issues of Human Diversity

SPED 4900 * Consultation with School/Family/Community

*Students who select either of these two courses must meet Teacher Education Program admission requirements.

VIII. Child Development Electives (6 hours)

CSED 4300 Family Resource Management

ENGL 3401 Children's Literature

NUTR 2202 Nutrition

PSYC 3101 Psychology of Personality

PSYC 3102 Abnormal Psychology

PSYC 3106 Social Psychology

PSYC 3305 Learning and Memory

PSYC 3506 Human Sexuality

SOCI 3860 Sociology of Education

IX. Internship (3 hours)

UNIV 4110 Internship or

UNIV 3900 Experiential Learning

C. Thematic Studies (6 hours)

D. Senior Project (3 hours)

UNIV 4995 Senior Project

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E. Electives may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

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Dance

Those students with a background in dance and wish to teach either in the private or public school (K-12) setting will be most directly served by this concentration. Students with limited exposure to dance but with the desire, dedication, and commitment to achieve the requisite level of dance training needed in addition to completing the remaining curriculum will also be served. All students will have to be accepted into the Teacher Education Program according to university requirements.

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See [Graduation from the University](#) for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement.

B. Coordinated Study (55-63 hours)

• Dance Studies (32 hours)

DANC 2825 Ballet Dance II

DANC 3101 Dance History

DANC 3201 Dance Movement Analysis

DANC 3829 Advanced Dance Techniques

DANC 4202 Dance Composition/Improvisation

DANC 4204 Advanced Dance Composition

THEA 2511 Theatre Crafts

THEA 3603 Lighting Lab

THEA 3604 Costume Lab

• Dance Licensure (23-31 hours)

DANC 1821 Modern Dance I

(Elementary School Teaching Practicum)

DANC 1825 Ballet Dance I

(High School Teaching Practicum)

DANC 1827 Jazz Dance I

(Middle School Teaching Practicum)

DANC xxxxDance Education: Methods and Materials

EDPR 2111 Development Across Life Span

ICL 4800 Professional Seminar

ICL 4901 Student Teaching

SPED 2000 Issues of Human Diversity

C. Thematic Studies (6 hours)

D. Senior Project (4 hours)

UNIV 4990 - Project Planning Seminar

UNIV 4995 - Senior Project

E. Electives may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

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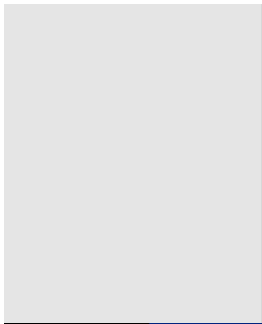
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Disability Studies and Rehabilitation Services

Advising guidelines for the Bachelor of Professional Studies (B.P.S.) degree with a concentration in Disability Studies and Rehabilitation Services are designed for students seeking to be academically and professionally grounded in a thorough understanding of the social, psychological, economic, physical, medical, and other environmental problems faced by individuals seeking disability services. The history, philosophy, legal issues, ethical issues, and agencies/facilities are also addressed through the courses within these guidelines. Students will also be exposed to the theme of employment - including vocational adjustment and appropriate job placement - and independent living outcomes as reaffirmed in the Rehabilitation Act Amendments of 1992. Rehabilitation depends heavily upon communication between both the consumer and professional and among various professionals; consequently, communication will be stressed, as well as an understanding of the potential influence of cultural diversity and individual lifestyle choices. Courses will also enable students to understand the methods used in disability services to solve consumer problems and how to utilize available resources to improve consumer access, quality of services, and decision making. Finally, a well-supervised field experience component will provide students the opportunity to integrate classroom principles and develop entry-level skills in a work setting.

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A. General Education (35-41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement.

B. Coordinated Study (58-59 hours)

Professional Core (19 hours)

COUN 4901 Principles and Techniques of Rehabilitation Counseling

COUN 4913 Medical and Psychosocial Aspects of Rehabilitation

COUN 4921 Vocational Development & Occupational Information Service

SWRK 3902 Human Behavior & Social Environment

SWRK 3903 Social Work Practice I

Choose one:

SWRK 2010 Social Work Profession and Practice

SWRK 2911 Social Response to Human Need

Statistics and Research Methods (6-7 hours)

1. Statistics (select 1)

PSYC 3001 Psychological Statistics

SOCI 3311 Social Statistics

2. Research Methods (select 1)

PSYC 3000 Introduction to Psychological Research

SOCI 3322 Methods of Social Research

Rehabilitation Delivery (12 hours)

COUN 4611 Introduction to Counseling

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COUN 4781 Strategies for Crisis Intervention
COUN 4783 Alcohol and Drug Abuse Services
HADM 4101 Health Systems
PADM 4207 Health Politics and Policy
PETE 3308 Exceptional Learners in Physical Education
PSYC 3512 Health Psychology
SLS 3905 Leisure and Recreation for People with Disabilities
SWRK 3920 Social Welfare Policies & Programs: Theory & Application
THEA 4503 Creative Dramatics
Management Services (9 hours)
ACCT 2010 Fundamentals of Accounting I
MGMT 3110 Organization and Management
MGMT 3215 Management of Human Resources
PADM 3601 Public Administration
PADM 4226 Introduction to Nonprofit Organizations
PADM 4227 Issues in Nonprofit Administration
Communications (6 hours)
1. Professional Communications (3 hours)
MGMT 3510 Business Communications
ENGL 3601 Technical & Professional Writing
ENGL 3604 Persuasive Writing
COMM 3342 Communication and Leadership
COMM 4011 Communications in Organizations
2. Interpersonal Communications (3 hours)
COMM 4012 Health Communications
COMM 4373 Interracial Communications
COMM 4375 Intercultural Communications
COUN 4621 Human Interactions
Development and Aging (6 hours)
EDPR 2111 Development Across the Life Span
HPRO 2100 Wellness Concepts and Practices
HMSE 4305 Problems in Human Movement Sciences & Education
LEAD 3350 The Adult Learner
NUTR 2202 Nutrition
SOCL 3112 Contemporary Social Problems
SOCL 4541 Sociology of Aging
SOCL 4851 Medical Sociology
SOCL 4852 Sociology of Mental Illness
SOCL 4923 Social Institutions and the Life Cycle
SPED 2000 Issues Human Diversity
UNIV 4527 The Developing Adult

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College of Communication and Fine Arts

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Dance (DANC)
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Journalism (JOUR)
Theatre (THEA)

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Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

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Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

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Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

C. Internship (3 hours, Optional)

UNIV 2110 Field Experience

UNIV 4110 Internship

UNIV 3900 Advanced Experiential Learning

Persons with prior experience in the disability services field may apply for credit through the Experiential Learning process. For information, visit:

<http://www.uc.memphis.edu/experiential.htm>

D. College Requirements (10 hours)

Thematic Studies (6 hours)

Any UNIV 3500-3599 or UNIV 4500-4599

Students complete a total of 6 hours in a University College thematic studies course(s) of their choosing. These courses are designed to broaden a student's knowledge of significant themes in social, political, and religious history. Only specifically designated courses will meet this requirement. For a complete list of courses:

<http://www.uc.memphis.edu/thematic.htm>

Senior Project (3 hours)

UNIV 4995 Senior Project

The Senior Project is a student's culminating experience or capstone designed to synthesize and integrate the content of a student's program of study. The senior project is intended to fuse together the two or more academic areas that comprise your coordinated study (major) into an academically-relevant example of scholarship. Students will complete a thesis, task based or artistic project on a topic of their choice with approval of their Senior Project instructor. Students must select a topic by the end of their Junior year.

UNIV 4990 must be completed before UNIV 4995. The Senior Project is completed during a student's final semester. UNIV 4990 and UNIV 4995 can not be taken during the same semester. For more information on the Senior Project and to request a registration permit, visit this website: http://www.uc.memphis.edu/Senior_Project.htm

E. Electives may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

Students who have earned the "Home Manager" technical certificate from Southwest Tennessee Community College can receive 15 hours of credit to be applied to the concentration as follows: 12 hours in Rehabilitation Delivery and 3 hours of Internship.

Students who hold this certification need to inform their advisor in University College in order for the hours to be posted to the students' University of Memphis transcript.

Typical 4-Year Disability Studies and Rehabilitation Services Concentration Sequence**Freshman Year**

ENGL 1010	3	ENGL 1020	3
Social/Behavioral Sci.*	3	Social/Behavioral Sci.*	3
MATH*	3	Humanitie/Fine Artss*	3
Humanities/Fine Arts*	3	Group F (Lower Division)	3
Elective	3	COMM 2381*	3
Semester Totals	15 hrs		15 hrs

Sophomore Year

ENGL 2201 or 2202	3	Natural Science*	4
Natural Science*	4	Group B-2	3
SWRK 2010 or 2911	3	Group C	3
Group B-1	3	Group E-1	3
Elective	3	Group F	3
Semester Totals	16 hrs		16 hrs

University College

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Interdisciplinary Studies (INTD)

Junior Year

SWRK 3902	3	COUN 4913	3
COUN 4901	3	SWRK 3903	4
Group D	3	Group B	3
Group E-2	3	Group C	3
Elective	3	Group D	3

Semester Totals 15 hrs 15 hrs

Senior Year

COUN 4921	3	UNIV 4995	3
Group C	3	Elective	3
Group D	3	Thematische Studies	3
Thematics Studies	3	Group C	3
Elective**	3		

Semester Totals 15 hrs 12 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

*Must satisfy University General Education Program Requirement

**Students may opt to do an internship in place of a general elective in their senior year. An internship is not required to meet degree requirements.

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Fashion and Home Furnishings Merchandising

Program Summary

A. General Education (35-41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement.

B. Coordinated Study (36-39 hours)

Family and Consumer Sciences Core (21 hours)

CSED 2101 Family in Global Perspective
CSED 3104 Home Furnishings and Related Arts
CSED 3302 Child and Adolescent Development
CSED 4106 Trends and Issues in the Profession
CSED 4300 Family Resource Management
CSED 4405 Textiles
CSED 4600 Senior Seminar in Merchandising (final semester)

Specialty Area: Students choose a specialty in either Fashion Merchandising or Home Furnishing Merchandising (15-18 hours)

Fashion Merchandising

CSED 2005 Introduction to Fashion Merchandising
CSED 2106 Visual Merchandising
CSED 3206 Merchandising Systems
CSED 4205 Behavioral Science Aspects of Clothing
CSED 4215 Readings in Clothing and Textiles and
CSED 4216 Readings in Fashion Merchandising

Home Furnishings

CSED 2004 Technical Skills for Home Furnishings
CSED 2101 Family in Global Perspective
CSED 2106 Visual Merchandising
CSED 3204 Residential Kitchen Planning
CSED 3206 Merchandising Systems
CSED 4204 Furnishings Problems and Presentations
CSED 4304 Trends in Housing and Home Furnishings

C. Thematic Studies (6 hours)

CSED 4205 Behavioral Science Aspects of Clothing
CSED 4300 Family Resource Management
CSED 4304 Trends in Housing and Home Furnishings
UNIV 3500-3599
UNIV 4500-4599

D. Internship in Merchandising or Marketing-Related Business (6 hours)

UNIV 4110 (Corequisite CSED 4600 and UNIV 4995) - Final semester

E. Senior Project (3 hours)

UNIV 4995 Senior Project (completed in final semester)

F. Electives - may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

G. Marketing Management Minor (18 hours) (Junior level classification required for all 3000 to 4000-level courses) MKTG 2610, 3010, 3012, 3140, and six semester hours chosen by the student from the following: MKTG 3320, 3410, 3620, 3650, 4230, 4470, 4530, 4920-29.

Students will not be permitted to use CSED 2101 in both the General Education and Professional core categories.

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Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
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Greek (GREK)
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Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

Important Note: All coursework must be completed prior to the student's final semester except for CSED 4600 (Senior Seminar), UNIV 4110 or PADM 4231 (Internship) and UNIV 4995 (Senior Project). A student can only enroll in 12 credit hours in the final semester which includes CSED 4600, UNIV 4110 or PADM 4231, and UNIV 4995.

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College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

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Health and Sport Sciences

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Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

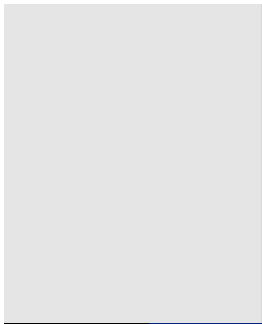
Early Childhood Education (ECED)
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Herff College of Engineering

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Health Services Administration

Students following guidelines for Health Services Administration are experienced health care professionals who have completed non-baccalaureate programs in health care specialties such as medical laboratory technology, respiratory therapy, radiological technology, and nursing, and who want to become administrators in health care settings. They will build upon their training and experience by taking courses in such areas as business practice, administration, interpersonal skills, policy, risk management, social context of health care, and financial management. Transfer credits for their health care specialty will be considered a part of their Coordinated Study.

A. General Education (35-41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement.

B. Coordinated Study is comprised of the Professional Core, Health Care Specialty and Support Courses. Students must earn a minimum grade of "C-" in all classes within the Coordinated Study.

Professional Core (21 hours) take each class as indicated below

ACCT 2010 Fundamentals of Accounting I
ACCT 2020 Fundamental of Accounting II
MIS 2479 Introduction to Microcomputer Business Applications
MGMT 3110 Organization and Management**
Group 1: Statistical and Research Methods (take one course)
EDPR 4541 Fundamentals of Applied Statistical Methods
POLS 4101 Political Statistics
SOCI 3311 Social Statistics
Group 2: Professional Writing (take one course)
ENGL 3601 Technical and Professional Writing
ENGL 3604 Persuasive Writing
MGMT 3510 Business Communications**
Group 3: Health Care Systems (take one course)
HADM 4101 Health Systems
PADM 4207 Health Politics and Policy

C. Support Courses (18 hours) Take specified number of courses from each area below

Interpersonal Communications (take two courses)
COMM 4011 Communications in Organizations
COMM 4012 Health Communications
COMM 4341 Interpersonal Communications
COMM 4342 Small Group Communications
COUN 4621 Human Interactions
Policy and Social Context : (take two courses)
COBH 4707 International Health Problems & Issues (This course offered online format only)
ECON 3411 Economics of Social Issues**
PHIL 3514 Biomedical Ethics
POLS 3213 Introduction to Public Policy
PSYC 3101 Psychology of Personality
PSYC 3102 Abnormal Psychology
PSYC 3507 Alcohol, Drugs and Behavior
SOCI 3401 Social Inequality
SOCI 3422 Racial and Ethnic Minorities: A Socio-Historical Approach
SOCI 3432 Sociology of Gender* or UNIV 2304 - Gender and Society
SOCI 3831 Marriage and Family* or CSED 2101 - Family in Global Perspective
SOCI 4442 Sociology of Poverty
SOCI 4851 Medical Sociology
SOCI 4852 Sociology of Mental Illness
Human Resource Management (take one course)
MGMT 3215 Human Resource Management**

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Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
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Environmental Studies (ENVR)
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History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
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Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
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Open Learning Fire Services Program (PADM)
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Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
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Economics (ECON)

MGMT 4251 Labor Relations**
 MGMT 4260 Employee Staffing and Development**
 Financial and Risk Management (take one course)
 ACCT 3130 Legal, Social, Political Environment of Business**
 FIR 3410 Business Finance**
 FIR 3810 Principles of Risk and Insurance**
 FIR 4820 Life and Health Insurance**
 FIR 4870 Risk Management**

** Junior Standing, registration permit, and prerequisites or permission of instructor required. Students must request their own registration permit through the Fogelman College of Business and Economics webpage.

D. Health Care Specialty (21 hours)

Courses represented in this category will provide professional preparation in a health care field such as nursing, medical laboratory technology, radiological technology, respiratory therapy, or cardiovascular technology. Transfer courses from an accredited institution must be presented. Students who do not have a health care specialty will work in consultation with their academic advisor to select a series of health-related courses that they will take in place of the specialty.

E. Thematic Studies (6 hours)

CSED 4205 Behavioral Science Aspects of Clothing
 CSED 4300 Family Resource Management
 CSED 4304 Trends in Housing and Home Furnishings

PHIL 3514 Biomedical Ethics

UNIV 3500-3599, Topics vary

UNIV 4500-4955, Topics vary

F. Senior Project (3 hours)

UNIV 4995 Senior Project (completed final semester)

G. Electives may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

Finance (FIR)
 Hospitality and Resort Management (HPRM)
 Management Information Systems (MIS)
 Management (MGMT)
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 Health and Human Performance (EXSS)
 Health and Sport Sciences (HMSE)
 Health Promotion (HPRO)
 Physical Education Activities (PHED)
 Physical Education Teacher Education (PETE)
 Sport and Leisure Commerce (SLC)
 Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

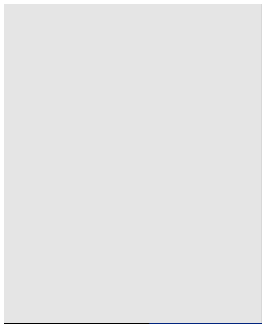
Early Childhood Education (ECED)
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Nursing (NURS)



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Human Services

Students in Human Services are expected to develop a philosophical orientation to the human condition; to enlarge their understanding of social structures, values and norms; to study human growth and development; and to become informed about social change and social and bureaucratic organizations. Students in Human Services will take courses from such departments as Counseling and Personnel Services, Sociology and Social Work, Psychology, Management, and Special Education.

Program Summary

A. General Education (35-41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour American Heritage General Education Program requirement; otherwise, students will have to meet the American Heritage requirement.

B. Coordinated Study (51 hours)

Professional Core

Basic Core: (9 hours) Take each of the following courses:

COUN 4611 Introduction to Counseling

COUN 4621 Human Interactions

SWRK 2911 Social Response to Human Need or SWRK 2910 - Introduction to Social Work

Statistical Methods (3 hours) Choose one course:

EDPR 4541 Fundamentals of Applied Statistical Methods

PSYC 3001 Psychological Statistics

SOCI 3311 Social Statistics

Students must complete the General Education Math requirement before taking a Statistical Methods course.

Professional Writing (3 hours) choose one course:

ENGL 3601 Technical and Professional Writing

ENGL 3604 Persuasive Writing

MGMT 3510 Business Communication*

Students must complete the General Education English Composition and Literature requirements before taking a Professional Writing course.

Rehabilitation/Social Intervention (9 hours) Choose three courses:

COUN 4781 Strategies for Crisis Intervention

COUN 4783 Alcohol and Drug Abuse Services

SWRK 3903 Social Work Practice I*

(Prerequisite: SWRK 2911, 3901, 3902 or Instructor's Permission)

SWRK 3904 Social Work Practice II*

(Prerequisite: SWRK 3903)

Support Courses . Twenty-one semester hours must be taken from the following groups.

Group I: Individual Development . (6 hours) Choose two courses.

EDPR 3302 Child & Adolescent Development (Same as CSED 3302)

PSYC 3101 Psychology of Personality

PSYC 3102 Abnormal Psychology

PSYC 3103 Child Psychology

PSYC 3104 Adult Psychology

PSYC 3106 Social Psychology

SOCI 3701 Individual and Society

SWRK 3902 Human Behavior and Social Environment*

(Prerequisite: SWRK 2910, SWRK 2911, SWRK 3901 or Instructor's Permission)

Group II: The Individual and the Community (9 hours) Choose three courses.

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[Anthropology \(ANTH\)](#)

[Biology \(BIOL\)](#)

[Chemistry \(CHEM\)](#)

[Computer Science \(COMP\)](#)

[Criminology and Criminal Justice \(CJUS\)](#)

[Earth Sciences \(ESCI\)](#)

[English \(ENGL\)](#)

[Emergency Management\(EMGT\)](#)

[Environmental Studies \(ENVR\)](#)

[Health Administration \(HADM\)](#)

[History \(HIST\)](#)

[International Studies \(INTL\)](#)

[Judaic Studies \(JDST\)](#)

[Mathematics \(MATH\)](#)

[Military Science \(ARMY\)](#)

[Naval Science \(NAVY\)](#)

[Philosophy \(PHIL\)](#)

[Physics \(PHYS\)](#)

[Political Science \(POLS\)](#)

[Open Learning Fire Services Program \(PADM\)](#)

[Public and Nonprofit Administration \(PADM\)](#)

[Psychology \(PSYC\)](#)

[Religious Studies \(RLGN\)](#)

[Social Work \(SWRK\)](#)

[Sociology \(SOCI\)](#)

[Women's Studies \(WMST\)](#)

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[Hebrew \(HEBR\)](#)

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[Languages and Literature \(LALI\)](#)

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[Portuguese \(PORT\)](#)

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Fogelman College of Business and Economics

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[Economics \(ECON\)](#)

ANTH 3511 Culture, Kin, and Family
 ANTH 4412 Neighborhood Development and Poverty
 ANTH 4531 Alcohol, Culture, and Biology
 CJUS 3152 Drug Addiction and Alcoholism
 CJUS 4533 Juvenile Delinquency: Theory and Process
 COMM 4373 Interracial Communication
 HIST 4831 History of American Family
 PSYC 3507 Alcohol, Drugs, and Behavior
 SOCI 3432 Sociology of Gender
 SOCI 3501 Sociology of Deviant Behavior
 SOCI 3831 Marriage and the Family
 SOCI 4923 Social Institutions and the Life Cycle
 SOCI 4420 Racial Inequality
 SOCI 4442 Sociology of Poverty
 SOCI 4460 Black and White Women in the South
 SOCI 4541 Sociology of Aging

Group III: The Individual and the "System" (6 hours) Choose two courses.

ECON 3411 Economics of Social Issues
 PADM 3601 Introduction to Public Administration
 PADM 4221 Urban Administration
 PADM 4226 Introduction to Nonprofit Organizations
 POLS 3213 Introduction to the Study of Public Policy
 POLS 4207 Health Politics and Policy
 POLS 4208 Mental Health Policy and Law
 POLS 4209 Aging Policy and Law
 SOCI 3422 Racial and Ethnic Minorities
 SOCI 4851 Medical Sociology

Experiential Learning or Internship (6 hours):

UNIV 3900 Advanced Experiential Learning or
 UNIV 4110 Internship

C. Thematic Studies (6 hours)

CSED 4205 Behavioral Science Aspects of Clothing
 CSED 4300 Family Resource Management
 CSED 4304 Trends in Housing and Home Furnishings
 PHIL 3514 Biomedical Ethics
 UNIV 3500-3599, Topics vary
 UNIV 4500-4955, Topics vary

D. Senior Project (4 hours)

UNIV 4995 Senior Project (3 hrs) [Completed during the final semester]

E. Electives - may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

Possible Minors

Students pursuing a B.P.S. in Individual Studies with a concentration in Human Services may be able to complete a minor in Sociology, Psychology, or Social Work by taking a minimal number of additional classes depending on courses selected for the major. Check with your advisor or the *Undergraduate Catalog* regarding specific minor requirements.

*Junior standing, prerequisites, or permission of instructor required. Please check the University of Memphis *Undergraduate Catalog*. The College of Business will drop all lower division students from upper division business courses.

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 Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
 Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
 Health and Human Performance (EXSS)
 Health and Sport Sciences (HMSE)
 Health Promotion (HPRO)
 Physical Education Activities (PHED)
 Physical Education Teacher Education (PETE)
 Sport and Leisure Commerce (SLC)
 Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

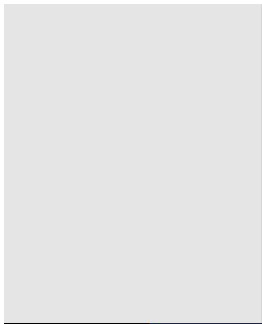
Early Childhood Education (ECED)
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 Reading (RDNG)
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Herff College of Engineering

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Loewenberg School of Nursing

Nursing (NURS)



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Law Enforcement Administration

Advising guidelines for the Bachelor of Professional Studies (B.P.S.) degree with a concentration in Law Enforcement Administration are designed for experienced law enforcement professionals who wish to further their careers by completing a program of study designed to increase their skills in management, organizational relations, and communication; their knowledge of the contexts within which law enforcement administration fits; their understanding of workplace issues that can affect productivity; and their ability to manage diversity in the workforce. In most cases, candidates for this degree program will be active duty or retired law enforcement officers at the municipal, county, or state levels, though military police and, in certain circumstances, those whose experience is in private security are eligible as well.

Program Summary

A. General Education (35-41 hours)

See Graduation from the University for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement.

B. Coordinated Study

Organization and Administration Required Core (12 hours)

ACCT 2010 Fundamentals of Accounting

CJUS 4126 Criminal Justice Administration and Management OR

MGMT 3110 Organization and Management OR

POLS 3601 Public Administration OR

TECH 4381 Principles of Supervision

JOUR 3400 Introduction to Public Relations*

MGMT 3215 Management of Human Resources

*CJ 372 Mass Media and the Police, taken at the FBI National Academy and transferred from The University of Virginia, will be accepted in place of this course.

Team Work and Organizational Relations (Select two courses) - (6 hours)

COMM 3342 Communication and Leadership

COMM 4011 Communication in Organizations

COUN 4621 Human Interactions

COUN 4781 Strategies for Crisis Intervention

LEGL 3482 Labor Law

MGMT 4420 Organizational Behavior in Business

Written Communication (Select one course) - (3 hours)

ENGL 3601 Technical and Professional Writing

ENGL 3604 Persuasive Writing

MGMT 3510 Business Communication

Decision-Making (Select one course from Group A and one from Group B) - (6 hours)

Group A

CJUS 3129 Statistical Methods in Criminal Justice

POLS 4101 Political Statistics

SOCI 3311 Social Statistics

Group B

CJA 3230 Police Organization and Administration (this course offered online only)

CJUS 3130 Research Methods in Criminal Justice*

SOCI 3322 Methods of Social Research*

*CJ 571 Applied Research Methods in Law Enforcement, taken at the FBI National Academy and transferred from The University of Virginia, will substitute for one of these courses.

Professional Ethics(Select one course) - (3 hours)

CJUS 4130 Ethical Dilemmas in Criminal Justice

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[Computer Science \(COMP\)](#)

[Criminology and Criminal Justice \(CJUS\)](#)

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[English \(ENGL\)](#)

[Emergency Management\(EMGT\)](#)

[Environmental Studies \(ENVR\)](#)

[Health Administration \(HADM\)](#)

[History \(HIST\)](#)

[International Studies \(INTL\)](#)

[Judaic Studies \(JDST\)](#)

[Mathematics \(MATH\)](#)

[Military Science \(ARMY\)](#)

[Naval Science \(NAVY\)](#)

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[Physics \(PHYS\)](#)

[Political Science \(POLS\)](#)

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Fogelman College of Business and Economics

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[Economics \(ECON\)](#)

LEGL 2400 Legal Ethics
PHIL 3511 Ethics
UNIV 3540 Ethics and Professionalism
Urban and Public Policy Issues

Urban Issues (Select two courses)* - (6 hours)

ANTH 4411 Urban Anthropology
ANTH 4412 Neighborhood Development and Social Entrepreneurship
ESCI 3451 Introduction to Urban Planning
POLS 4222 Urban Politics
SOCI 3112 Contemporary Social Problems
SOCI 4631 Cities in Change

*CJ 360 Overview of Criminal and Community Behavior, taken at the FBI National Academy and transferred from The University of Virginia, will substitute for one of these courses.

Public Policy Issues (Select two courses) - (6 hours)

CJUS 3226 Police in America
LEGL 3487 Administrative Law and Procedure
POLS 3213 Introduction to the Study of Public Policy
POLS 4221 Urban Administration
SOCI 4842 Sociology of Occupations and Professions

Social and Behavioral Issues

Social Issues (Select one course) - (3 hours)
COMM 4373 Interracial Communication
SOCI 3422 Racial and Ethnic Minorities
SOCI 3432 Sociology of Gender
SOCI 4460 Black and White Women in the South

Behavioral Issues (Select one course)* - (3 hours)

CJUS 3541 Criminology
PSYC 3102 Abnormal Psychology
PSYC 3106 Social Psychology
PSYC 3507 Alcohol, Drugs, and Behavior
SOCI 3701 Individual and Society
*CJ 462 Applied Criminal Psychology, taken at the FBI National Academy and transferred from The University of Virginia, will substitute for one of these courses.

C. Thematic Studies (6 hours)

D. Senior Project (3 hours)

UNIV 4995 Senior Project (3 hrs) [Completed during the final semester]

E. Electives may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

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Management Information Systems (MIS)
Management (MGMT)
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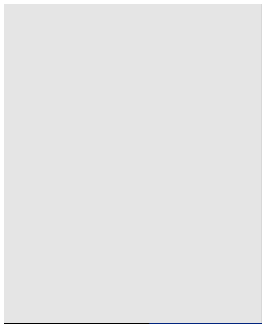
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Non-profit Development and Administration

The goal of these guidelines is to help persons understand the role of nonprofit organizations in society and to prepare them to organize, develop, and administer nonprofit organizations. Nonprofit organizations include educational, scientific, religious, and other charitable organizations, as well as private foundations, community-based organizations, professional and fraternal associations, and civic and social organizations. The guidelines are designed to serve persons who have worked, or who want to work, within the nonprofit sector as employees, or have served in the community as volunteers. Graduates may enter careers such as communications director, volunteer director, or program director for a nonprofit agency.

Objectives of the program include the study of (1) the historical and cultural context of nonprofit organizations, specifically their place within a market economy; (2) the characteristics of persons and communities served by nonprofit organizations; (3) legal, ethical, and policy issues which shape the governance, development, and operation of nonprofits; (4) relevant skills, including management of personnel, information, and finances, interpersonal communication, program evaluation, and marketing; and (5) special topics, including fundraising, philanthropy and volunteerism.

Program Summary

A. General Education (35-41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement.

B. Coordinated Study (60 hours)

Core Courses (18 hours) take each course
 ANTH 4412 Neighborhood Development and Poverty or
 ANTH 3282 Cultural History of American Communities
 COMM 4011 Communications in Organizations or
 MGMT 4420 Organizational Behavior in Business
 ECON 3411 Economics of Social Issues
 MGMT 3110 Organization and Management
 PADM 3601 Public Administration
 PADM 4226 Introduction to Nonprofit Organizations

Context Courses

Historical Context (take one course):
 HIST 3274 Modern Islamic World
 HIST 3275 History of the Jewish People
 HIST 3881 African-American History
 HIST 4831 History of American Family
 HIST 4851 History of Women in America
 HIST 4863 History of Childhood in America
 HIST 4871 United States Urban History

Social, Political, Economic Context (take 3 courses from at least two different disciplines)

ANTH 4411 Urban Anthropology
 CJUS 1100 Introduction to Criminal Justice
 COMM 4381 Rhetoric and Public Controversy
 COUN 4611 Introduction to Counseling
 COUN 4781 Strategies for Crisis Intervention
 COUN 4783 Alcohol and Drug Abuse Counseling
 ECON 2010 Introduction to Macroeconomics
 ECON 4740 Health Care Economics
 JDST 3601 Judaism
 PHIL 3511 Ethics

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 Earth Sciences (ESCI)
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 Health Administration (HADM)
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Foreign Languages and Literatures

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 Portuguese (PORT)
 Russian (RUSS)
 Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
 Business Administration (BA)
 Supply Chain Management Science (SCMS)
 Economics (ECON)

POLS 3102 Religion and Politics
POLS 3211 State and Local Government
POLS 3213 Introduction to the Study of Public Policy
POLS 4224 Urban Problems
SOCI 3401 Social Inequality
SOCI 3422 Racial and Ethnic Minorities: A Soci-Historical Approach
SOCI 4442 Sociology of Poverty
SOCI 4541 Sociology of Aging
SOCI 4851 Medical Sociology or ANTH 4511 - Medical Anthropology

Nonprofit Work Setting: (take one course)

ANTH 4253 Anthropology of Religion
ARTH 4382 Professional Practices in Museums
ARTH 4830 Museums in Society
CJUS 4126 Criminal Justice Administration and Management
ESCI 3451 Introduction to Urban Planning
POLS 4221 Urban Administration
SLS 3103 Outdoor Recreation and Education for Urban America
SLS 3205 Area and Facility Management
SLS 3905 Leisure and Recreation for People with Disabilities
SOCI 3860 Sociology of Religion
UNIV 4380 Independent Study (of work setting not included above)

Skills for Administration & Community Development: (21 hours) take one course from each category

Marketing & Fund-raising: (take one course)

FIR 4011 Estate Planning and Law of Taxation
JOUR 3400 Public Relations
MKTG 3010 Principles of Marketing
MKTG 4230 Services Marketing

Human Resources: (take one course)

COUN 4621 Human Interactions
MGMT 3215 Human Resource Management
SLS 3204 Organizational Analysis of Sport and Leisure

Program Evaluation: (take one course)

ANTH 4010 Anthropological Methods of Field Research
COMM 3330 Communication Research Methods
PADM 4101 Political Statistics
SLS 3305 Leisure and Recreation Program Development
SOCI 3311 Social Statistics
SOCI 3322 Methods of Social Research

Accounting: (take one course)

ACCT 2010 Fundamentals of Accounting I
ACCT 2020 Fundamentals of Accounting II
ACCT 3310 Cost Accounting
ACCT 4540 Governmental/Health Care/ Not-for-Profit Accounting
PADM 4227 Issues in Nonprofit Administration
SLS 3605 Financial Management in Sport and Leisure

Legal Environment: (take one course)

ACCT 3011 Business Law
LEGL 2410 Legal Ethics
POLS 3405 Introduction to Law and Jurisprudence
SLS 4205 Legal and Ethical Aspects of Sport and Leisure

Communication: (take one course)

COMM 4011 Communication in Organizations
COMM 4342 Small Group Communication
COMM 4373 Interracial Communication
COMM 4375 Intercultural Communication
ENGL 3601 Technical and Professional Writing
ENGL 3604 Persuasive Writing
MGMT 3510 Business Communications

Computer Use & Technology: (take one course)

JOUR 3900 Visual Journalism
MIS 2749 Foundation/Information Systems
SLS 3005 Computer Applications in Sport and Leisure

Experiential Learning or Internship: (6 hours) any 6 hours from

PADM 4321 Administrative Internship
UNIV 3900 Advanced Experiential Learning

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
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Nursing (NURS)

(See: <http://www.uc.memphis.edu/experiential.htm>)
UNIV 4110 Internship

C . Thematic Studies (6 hours)

D. Senior Project (3 hours)
UNIV 4995 Senior Project (completed during the final semester)

E. Electives may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

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Organizational Leadership

Organizational Leadership is designed to (1) promote understanding of the nature of bureaucratic organizations and the fundamentals of administrative leadership; (2) allow students to reflect upon national and international organizational contexts and upon significant social and cultural issues raised in those contexts; and (3) promote skills in formal and interpersonal communication, including sensitivity to personal issues having an impact upon the quality of accomplishment in the work place. In addition to meeting all entrance requirements for the University of Memphis, applicants must provide documentation of a minimum of five years of organizational leadership experience and present a transcript showing at least 45 semester hours of earned academic credit or an earned associate's degree.

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B. Coordinated Study (33 hours)

Administration and Supervision (3 hours) (Take one course from this group):

TECH 4381 Principles of Supervision
MGMT 3110 Principles of Supervision and Management
PADM 3601 Public Administration

Organizational Systems (3 hours) (Take one course from this group):

MGMT 3215 Human Resources Management
MGMT 4420 Organizational Behavior in Business
PADM 4226 Nonprofit Organizations

Statistical and Research Methods (3 hours) (Take one course from this group):

EDPR 4541 Educational Statistics
PADM/POLS 4101 Political Statistics
PSYC 3001 Psychological Statistics
SOCI 3311 Social Statistics

Written Communications (3 hours) (Take one course from this group):

ENGL 3601 Technical and Professional Writing
ENGL 3604 Persuasive Writing
JOUR 3421 Public Relations Writing
MGMT 3510 Business Communications

Team and Organizational Relations (3 hours) (Take one course from this group):

COMM 4011 Communications in Organizations
COMM 4342 Small Group Communication
COMM 4373 Interracial Communications
COMM 4375 Intercultural Communications
COUN 4621 Human Interactions

Political and International Context (3 hours) (Take one course from this group):

ACCT 3130 Legal, Social, Political Environment of Business
ACCT 3011 Business Law
ECON 4130 Government Regulation of Business
HIST 3212 Latin American Nations
HIST 3274 Modern Islamic World
HIST 3291 Modern Asia
HIST 3302 Modern Europe
HIST 4881 African-American History
POLS 3213 Introduction to the Study of Public Policy
POLS 3509 Contemporary Problems International Relations
POLS 3302 Western European Government and Politics

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Accountancy (ACCT)
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Supply Chain Management Science (SCMS)
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POLS 3304 African Politics
POLS 3306 Latin American Government and Politics
POLS 3309 Government and Politics of the Middle East
POLS 4305 Post-Soviet Governments and Politics
POLS 4307 Government and Politics of Communist China

Social and Cultural Context of Leadership (15 hours)
(Take 5 courses, no more than 3 courses from any one area):

ACCT 3130 Legal, Social, Political Environment of Business*
COUN 4611 Introduction to Counseling
COUN 4621 Human Interactions*
COUN 4781 Strategies for Crisis Intervention
COUN 4783 Alcohol and Drug Abuse Services
ECON 3411 Economics of Social Issues
ENGL 4372 African American Authors through the Harlem Renaissance
ENGL 4373 African American Authors Since the Harlem Renaissance
ENGL 4451 Women and Literature
HIST 4851 History Women in America
HIST 4881 African American History*
JOUR 3400 Introduction to Public Relations
LEAD 3350 The Adult Learner
METH 4381 Principles of Supervision*
MGMT 3110 Principles of Supervision and Management*
PADM 3601 Public Administration*
PADM 4226 Nonprofit Organizations*
PSYC 3101 Psychology of Personality
PSYC 3102 Abnormal Psychology
PSYC 3106 Social Psychology
SOCI 3422 Racial and Ethnic Minorities
SOCI 3432 Sociology of Gender
SOCI 4460 Black and White Women in the South
SOCI 4631 Cities in Change
UNIV 4110 Internship**

*These courses may be used to fulfill one requirement only for group A-G

** Students who do not have a significant amount of work or volunteer experience at a supervisory level, usually two years, **MUST** take UNIV 4110 (internship) for one of their Group G classes. The determination of whether or not UNIV 4110 is required will be made by the Academic Advisor in consultation with the Assistant Dean of the University College.

C . Thematic Studies (6 hours)

D. Senior Project (3 hours)

UNIV 4995 Senior Project (completed during the final semester)

E. Electives may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

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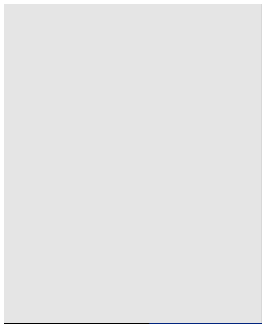
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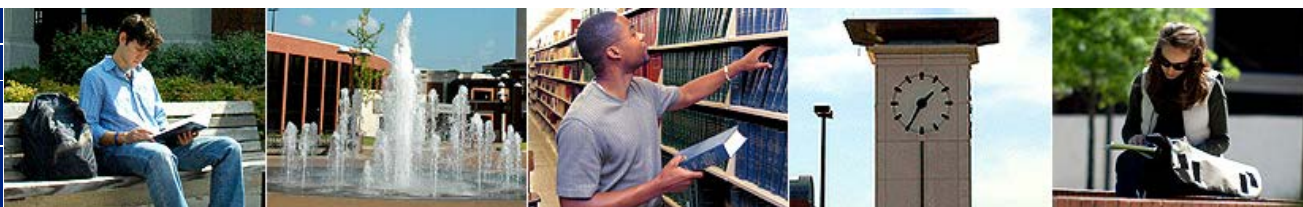
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Paralegal Studies

Paralegal Studies courses are designed for students seeking professional knowledge and skills necessary to perform substantive legal work under the direction and supervision of an attorney. Only licensed attorneys are permitted to practice law; however, qualified paralegals working under attorney supervision can contribute significantly to the efficient delivery of legal services in an expanding variety of private law office, corporate, and government agency settings.

University College's Paralegal Studies Program offers the B.P.S. degree with a concentration in Paralegal Services. The paralegal professional core courses emphasize (1) theoretical and practical applications of legal and ethical principles; (2) collection, organization, and critical analysis of legal materials; (3) effective communications and computer skills; (4) initiative, flexibility, and cooperation in the workplace; and (5) preparation to meet the challenges of a demanding profession while avoiding the unauthorized practice of law by lay persons.

The Paralegal Studies Program is approved by the American Bar Association.

Legal Specialty Transfer Policy

A legal specialty course is one that (1) covers substantive law or legal procedures or process, (2) has been developed for paralegals, and (3) emphasizes practical paralegal skills. Each legal specialty course submitted for consideration of transfer into the Paralegal Studies Program is evaluated by the program director. Determination of transferability is based upon course content, hours of instruction, and the grade earned in the course by the student. Review of college transcripts, course materials, and an oral examination may be required in order to determine whether the student is competent in the area of study and whether the courses considered are deemed appropriate for transfer. Credits from non-regionally-accredited and non-ABA-approved programs or institutions will not be considered for transfer to the Paralegal Studies Program.

The maximum number of legal specialty credits allowed for transfer to the program shall not exceed nine semester-hours.

Credit by Examination Policy

A student seeking to earn legal specialty credit by examination must consult with the program director regarding the depth of experience or training the student has accrued in the area(s) of law in which the student seeks credit. The student will earn credit by making a grade of "C-" or better on the most recently administered comprehensive examination(s) given in the discipline(s) tested. Students may not take an examination for credit in a course previously taken for credit in which the student was unsuccessful.

The maximum number of legal specialty credits allowed by examination shall not exceed nine semester-hours.

Reconciliation of the Legal Specialty Transfer and Credit by Examination Policies

The maximum number of legal specialty credits allowed by either or both processes shall not exceed nine semester-hours.

Paralegal Services Advising Guidelines

Students pursuing the B.P.S. degree with a concentration in Paralegal Services must complete all University College degree and graduation requirements including the Coordinated Study degree component according to the following guidelines:

Program Summary

A. General Education (35-41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement.

B. Paralegal Professional Core (39 hours)

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
Religious Studies (RLGN)
Social Work (SWRK)
Sociology (SOCI)
Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)
Chinese (CHIN)
Classics (CLAS)
French (FREN)
German (GERM)
Greek (GREK)
Hebrew (HEBR)
Italian (ITAL)
Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
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Supply Chain Management Science (SCMS)
Economics (ECON)

(At least 21 hours of the following core courses must be completed at the University of Memphis with a minimum grade of "C-" in each course).

Paralegal Requirements** [30 hours]

LEGL 2400 Legal Ethics
 LEGL 2410 Introduction to Law
 LEGL 2420 Legal Research and Writing I
 LEGL 3410 Contracts and Commercial Law
 LEGL 3420 Torts
 LEGL 3430 Business Associations
 LEGL 3440 Civil Procedure
 LEGL 3450 Legal Research and Writing II
 LEGL 3483 Computers in the Law
 LEGL 4410 Paralegal Internship

Paralegal/Law-Related Electives [9 hours]

CJUS 3510 Law and Society
 CJUS 3521 Constitutional Criminal Procedure
 CJUS 4530 Principles of Evidence and Proof
 COMM 4812 Communications Law in Performing Arts
 FIR 3310 Real Estate Principles
 FIR 4011 Estate Planning and Law of Taxation
 JOUR 4700 Mass Communications Law
 LEGL 3481 Family Law
 LEGL 3482 Labor Law
 LEGL 3484 Bankruptcy Practices
 LEGL 3485 Real Estate Practices
 LEGL 3486 Criminal Law and Procedure
 LEGL 3487 Administrative Law and Procedure
 LEGL 4450 Legal Research and Writing III
 POLS 4200 Environmental Law, Policy, and Regulation
 POLS 4222 Urban Politics

Written Communications Requirements [6 hours]

(A minimum grade of "C-" is required)

ENGL 3500 Practical English Grammar
 ENGL 3604 Persuasive Writing

Interdisciplinary Requirements [12 hours]

(Select one course from each of the groups listed below; a minimum grade of "C" is required)

Group 1: Business and Administrative Applications

ACCT 3011 Business Law
 CJUS 4180 Corporate and White Collar Crime
 FIR 3130 The Legal, Social, and Political Environment of Business
 FIR 4011 Estate Planning and Law of Taxation
 FIR 4310 Real Estate Law
 MGMT 3215 Management of Human Resources
 PADM 3601 Public Administration
 POLS 4221 Urban Administration

Group 2: Philosophical and Constitutional Perspectives

CJUS 4531 Issues in Constitutional Rights
 HIST 3275 History of the Jewish People
 HIST 3840 United States Constitutional History
 HIST 3881 African-American History
 HIST 4851 History of Women in America
 HIST 4941 History of the American Indian
 PHIL 3741 African-American Philosophy
 PHIL 4551 Social and Political Philosophy
 POLS 4211 Constitutional Law: National Powers
 POLS 4212 Constitutional Law: Civil Liberty
 POLS 4405 Origin and Development of American Political Thought

Group 3: Law in Society

CJUS 3426 Corrections in America
 CJUS 3510 Law and Society
 CJUS 3521 Constitutional Criminal Procedure
 CJUS 4170 Prevention and Deterrence to Crime
 CJUS 4520 Substantive Criminal Law
 PADM 4208 Mental Health Policy and Law
 PADM 4209 Aging Policy and Law
 POLS 4416 African-American Political Thought
 POLS 4504 International Law
 SOCI 3420 Sociology of the South
 SOCI 3541 Criminology

Group 4: Ethical/Moral/Social Issues

Finance (FIR)
 Hospitality and Resort Management (HPRM)
 Management Information Systems (MIS)
 Management (MGMT)
 Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
 Art (ART)
 Art History (ARTH)
 Communication (COMM)
 Communication/Fine Arts (CCFA)
 Dance (DANC)
 Interior Design (IDES)
 Journalism (JOUR)
 Theatre (THEA)

Music

Applied Music (MUAP)
 Music Appreciation (MUS)
 Music Education (MUSE)
 Music History, Literature, and Appreciation (MUHL)
 Music Industry (MUID)
 Music Theory and Composition (MUTC)
 Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
 Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
 Health and Human Performance (EXSS)
 Health and Sport Sciences (HMSE)
 Health Promotion (HPRO)
 Physical Education Activities (PHED)
 Physical Education Teacher Education (PETE)
 Sport and Leisure Commerce (SLC)
 Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

Early Childhood Education (ECED)
 Educational Services (EDSV)
 Elementary Education (ELED)
 Instruction and Curriculum Leadership (ICL)
 Instructional Design and Technology (IDT)
 Leadership (LEAD)
 Reading (RDNG)
 Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
 Civil Engineering (CIVL)
 Electrical and Computer Engineering (EECE)
 Engineering (ENGR)
 Mechanical Engineering (MECH)
 Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)

ANTH 3242 Peoples of Africa
CJUS 3152 Drug Addiction and Alcoholism
CJUS 4130 Ethical Dilemmas in Criminal Justice
PHIL 3411 Contemporary Moral Problems
PHIL 3511 Ethics
PHIL 3514 Biomedical Ethics
POLS 3402 Legal/Political Thought: Modern
SOCI 3422 Racial and Ethnic Minorities
SOCI 3432 Sociology of Gender
SOCI 4420 Racial Inequality
SOCI 4442 Sociology of Poverty
SOCI 4460 Black and White Women in the South
SOCI 4631 Cities in Change

C . Thematic Studies (6 hours)

D. Senior Project (3 hours)

UNIV 4995 Senior Project (completed during the final semester)]

E. Electives may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

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Pre-school and Daycare Administration

These guidelines are designed for persons seeking careers in the administration of early childhood programs including childcare centers, both for-profit and non-profit; private and public pre-kindergarten programs; Head Start; pre-schools; parents' day out programs; before and after school care; and centers for children with special needs. Also served by these guidelines are persons with experience in childcare settings from a wide variety of backgrounds, including childcare volunteers and aides, as well as teachers and directors. In addition to core content in early childhood professional knowledge, there is course work to develop skills in fiscal management, recruiting and hiring personnel, health and safety management, board relations, marketing and public relations, and liaison with professional associations and regulatory agencies. These guidelines build upon and incorporate courses in childcare administration and early childhood studies offered at Southwest Tennessee Community College.

Note: This program does not lead to Tennessee state licensure for school administration.

A. General Education (35-41 hours) See [Graduation from the University](#) for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement.

B. Coordinated Study (62 hrs)

Students must earn a grade of "C-" or better in all Coordinated Study courses.
Child Development and Learning* (24 hrs)

ECED 3555 Observation/Assessment Infant/Early Childhood Development
ECED 4500 Emergent Literacy & Language Development
ECED 4510 Foundations of Early Childhood Education
ECED 4515 Teach and Learning in Early Childhood Education
EDPR 2111 Development Across the Life Span
EDPR 4301 Early Childhood Development
SPED 2000 Issues of Human Diversity
SPED 4900 Consultation with School/Family/Community

Families and Culture: (9 hrs) (Select ONE course from EACH group)

Group A

SOCI 3401 Social Inequality
SOCI 3422 Racial and Ethnic Minorities
SOCI 4420 Racial Inequality
SOCI 4442 Sociology of Poverty

Group B

ANTH 3511 Culture, Kin and Family
ANTH 4411 Urban Anthropology
HIST 4831 History of American Family
HIST 4863 History of Childhood in America
SOCI 3831 Marriage and the Family

Group C

HIST 4851 History of Women in America
SOCI 3432 Sociology of Gender
SOCI 4460 Black and White Women in the South
UNIV 2304 Gender and Society

Program Administration (27 hours)

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Spanish (SPAN)

Fogelman College of Business and Economics

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Business Administration (BA)
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Economics (ECON)

Fiscal Management

ACCT 2010 Fundamentals of Accounting I

ACCT 2020 Fundamentals of Accounting II

MIS 2749 Foundation/Information Systems (Students may take COMP 1200 in place of MIS 2749)

Human Resource Management

MGMT 3110 Organization and Management

MGMT 3215 Management of Human Resources

Health And Safety Management

NUTR 2202 Nutrition

EXSS 3306 Elementary School Health and Wellness

Marketing and Public Relations (Select one course)

JOUR 3400 Introduction to Public Relations or

MKTG 3010 Principles of Marketing

Internship or Experiential Learning:

UNIV 4110 or UNIV 3900

C. Thematic Studies (6 hours)

D. Senior Project (3 hours)

UNIV 4995 Senior Project (completed during the final semester)

E. Electives may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

Finance (FIR)

Hospitality and Resort Management (HPRM)

Management Information Systems (MIS) Management (MGMT)

Marketing (MKTG)

College of Communication and Fine Arts

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Communication/Fine Arts (CCFA)

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Music Industry (MUID)

Music Theory and Composition (MUTC)

Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)

Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)

Health and Human Performance (EXSS)

Health and Sport Sciences (HMSE)

Health Promotion (HPRO)

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Herff College of Engineering

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Civil Engineering (CIVL)

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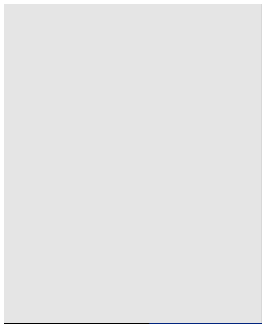
Engineering (ENGR)

Mechanical Engineering (MECH)

Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)



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Technology Management Services

Technology Management Services is designed for experienced technicians who wish to enhance their technical expertise while at the same time increasing their skills in management, organizational relations, and communication; their knowledge of contexts within which the management of technology fits; their understanding of workplace issues that can affect productivity; and their ability to manage diversity in the workforce.

Program Summary

A. General Education (35-41 hours)

See Graduation from the University for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement.

B. Coordinated Study (54 Hours)

Technology Concentration (24 hours, 12 hours must be upper-division)

This includes courses taken from such departments as Engineering, Engineering Technology, Manufacturing Engineering, Architecture, Mathematics, Construction Technology, Computer Science, Biology, Chemistry, Physics, and approved Earth Sciences courses.

It is assumed that students will take all technology concentration courses from one area. Students wishing to take a combination of classes from the above areas need permission of the University College Dean. A limited number of courses from Management Information Systems (MIS/SCMS) is allowed but can not make up the entire content of the technology concentration.

Management Services (30 hours)

Administration and Supervision (3 hours, Take one course from the following group)

MGMT 3110 Organization and Management
TECH 4381 Principles of Supervision
PADM 3601 Public Administration

Organizational Systems (3 hours, Take one course from the following group)

MGMT 3215 Management of Human Resources
MGMT 4420 Organizational Behavior in Business
PADM 4226 Introduction to Nonprofit Organizations
PSYC 3508 Industrial & Organizational Psychology

Marketing and Public Relations (3 hours, Take one course from the following group)

MKTG 3010 Principles of Marketing
JOUR 3400 Public Relations

Administrative Skills (3 hours, Take one course from the following group)

ACCT 2010 Fundamentals of Accounting I
MIS 2749 Foundation/Information Systems
MIS 2770 Information Technical Infrastructure

Statistical & Research Methods (3 hours, Take one course from the following group)

SOCI 3311 Social Statistics
EDPR 4541 Fundamentals of Applied Statistical Methods
SCMS 3711 Analytical Tools for Business Decisions
MATH 1601 Statistical Reasoning
MATH 4611 Introduction to Applied Statistics

Team and Organizational Relations (3 hours, Take one course from the following group)

COMM 4011 Communications in Organizations
COMM 4342 Small Group Communication

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Aerospace Studies (AERO)
African and African American Studies (AAAS)
Anthropology (ANTH)
Biology (BIOL)
Chemistry (CHEM)
Computer Science (COMP)
Criminology and Criminal Justice (CJUS)
Earth Sciences (ESCI)
English (ENGL)
Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
History (HIST)
International Studies (INTL)
Judaic Studies (JDST)
Mathematics (MATH)
Military Science (ARMY)
Naval Science (NAVY)
Philosophy (PHIL)
Physics (PHYS)
Political Science (POLS)
Open Learning Fire Services Program (PADM)
Public and Nonprofit Administration (PADM)
Psychology (PSYC)
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Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

COMM 4373 Interracial Communication
COMM 4375 Intercultural Communication
COUN 4621 Human Interactions
COUN 4781 Strategies for Crisis Intervention

Written Communication (3 hours, Take one course from the following group)

ENGL 3601 Technical and Professional Writing
ENGL 3602 Writing and Editing in the Professions
ENGL 3603 Engineering Communications
ENGL 3604 Persuasive Writing
MGMT 3510 Business Communications

Social & Cultural Context (3 hours, Take one course from the following group)

ANTH 4412 Neighborhood Development and Poverty
ANTH 3511 Culture, Kin and Family
CJUS 4180 Corporate and White Collar Crime
CJUS 4235 Private and Industrial Security
COMM 3003 Television and Culture
SLS 3105 Sport and Leisure as Popular Culture
SOC 3422 Racial and Ethnic Minorities
SOC 3432 Sociology of Gender
SOC 3831 Marriage and Family
SOC 4631 Cities in Change

Political & Economic Context (3 hours, Take one course from the following group)

ACCT 3130 Legal/Political/Social Environment of Business
ECON 3411 Economics of Social Issues
ECON 4130 Government Regulation of Business
HIST 4824 Business History
POLS 4510 Politics in a Global Economy
ESCI 3430 Economic Geography

Technology & Culture (3 hours, Take one course from the following group)

COMM 4014 Computer Mediated Communication
HIST 3035 Technology and Culture in American History
PHIL 3512 Science, Technology and Human Values
PHIL 3514 Biomedical Ethics

C . Thematic Studies (6 hours)

D. Senior Project (3 hours)

UNIV 4995 Senior Project completed during the final semester)

E. Electives may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
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Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
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Health and Sport Sciences

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Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

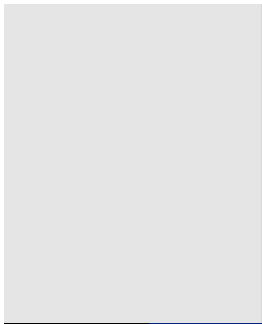
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Educational Services (EDSV)
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Instructional Design and Technology (IDT)
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Nursing (NURS)



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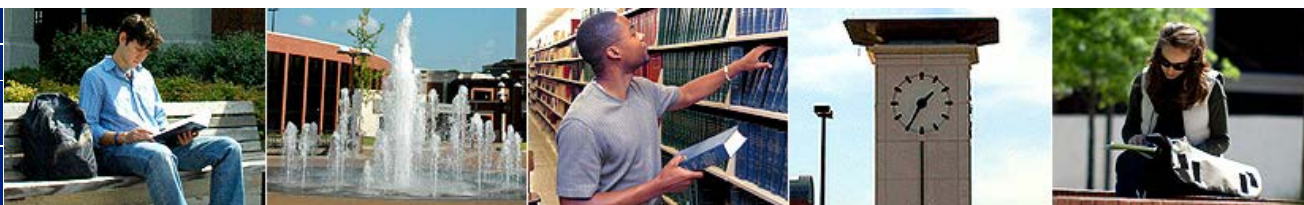
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Asian Studies and International Trade

A. General Education (35-41 hours)

See Graduation from the University for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement. For the Humanities requirement, HIST 1120 is highly recommended.

For the Social and Behavioral Sciences requirement, ECON 2010 and 2020 fulfill this requirement.

B. Asian Studies for International Trade Concentration

Students must complete the requirements in each of the following three groups:

Group 1: Foreign Language (9-21 hours)

Requirement: 9 hours at the 3000-level or above.

Students with previous background in the chosen language (Chinese or Japanese) must take the placement test to determine in what course they should enroll.

Students with no previous background in the chosen language will enroll in CHIN 1010 or JAPN 1010.

Group 2: Area Studies (6 hours)

Students must complete 6 hours from the following:

HIST 3290 - Traditional Asia

HIST 3291 - Modern Asia

HIST 4292 - History of Modern China

HIST 4294 - History of Modern Japan

HIST 4295 - Intellectual History of East Asia

PHIL 3721 - Chinese Philosophy

Group 3: International Economics and Business Studies (24 hours)

ECON 2010 - Introduction to Macroeconomics

ECON 2020 - Introduction to Microeconomics

ECON 3580 - International Economic Development-An Ecological Perspective

ECON 4340 - Comparative Economic Systems

ECON 4350 - International Economics

ECON 4351 - International Monetary Economics: Theory and Policy and

MGMT 3110 - Organization and Management and

MGMT 4810 - International Management

or

MKTG 3010 - Principles of Marketing

and

MKTG 4530 - International Marketing

C. College Requirements (10 hours)

Thematic Studies (6 hours)

Recommended choices:

ESCI 4307 - Thematic Studies in China

UNIV 3550 - Clash of Cultures

UNIV 4506 - The Chinese

UNIV 4995 - Senior Project (3 hours)

The senior project is a student's culminating experience or capstone designed to synthesize and integrate the content of a student's program of study. The senior project is intended to fuse the two or more academic areas that comprise the student's coordinated study (major) into an academically-relevant example of scholarship. Students will complete a thesis, task-based, or artistic project on a topic of their choice with approval of their senior project instructor. Students must select a topic by the end of their junior year.

UNIV 4990 must be completed before a student is permitted to register for UNIV 4995. The senior project is completed during a student's final semester. UNIV 4990 and UNIV 4995 cannot be taken during the same semester. For information about the senior project and to request a registration permit log onto:

http://www.uc.memphis.edu/Senior_Project.htm

http://www.uc.memphis.edu/Senior_Project.htm

All sections of UNIV 4995 are taught online. Students will be assigned to a specific

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)
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Earth Sciences (ESCI)
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Emergency Management(EMGT)
Environmental Studies (ENVR)
Health Administration (HADM)
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Mathematics (MATH)
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Greek (GREK)
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Japanese (JAPN)
Languages and Literature (LALI)
Latin (LATN)
Portuguese (PORT)
Russian (RUSS)
Spanish (SPAN)

Fogelman College of Business and Economics

Accountancy (ACCT)
Business Administration (BA)
Supply Chain Management Science (SCMS)
Economics (ECON)

section based on the topic they select.

D. Recommended Electives (hours vary)

ANTH 3200 - Peoples and Cultures of the World

ANTH 3511 - Culture, Kin and Family

ANTH 4413 - Anthropology of Tourism

ANTH 4414 - Culture and Transnational Processes

COMM 4373 - Interracial Communication

COMM 4375 - Intercultural Communication

CSED 2101 - The Family in Global Perspective

ESCI 1301 - Survey of World Regions

ESCI 1401 - Introduction to Cultural Geography

ESCI 3430 - Economic Geography

INTL 3700-09 - Special Topics in International Studies

INTL 4601 - Seminar in International Studies

JOUR 4712 - Mass Media and Cultures

PADM 4401 - Comparative Public Administration

POLS 1301 - Governments of the World

POLS 1501 - International Relations

POLS 3310 - Politics of the Developed World

POLS 3320 - Human Rights in World Politics

POLS 3325 - Politics of the Developing World

POLS 3330 - Politics of Globalization

POLS 3505 - International Organizations

POLS 3506 - American Foreign Policy

POLS 3509 - Contemporary Problems in International Relations

POLS 4307 - Government and Politics of Communist China

POLS 4504 - International Law

POLS 4506 - Problems of American Foreign Policy

POLS 4508 - Theories and Concepts in International Relations

POLS 4510 - Politics of the Global Economy

POLS 4511 - International Conflict

SOCI 2100 - Sociology of International Development

SOCI 4413 - Globalization, Culture, and Information Technology

Finance (FIR)

Hospitality and Resort Management (HPRM)

Management Information Systems (MIS)

Management (MGMT)

Marketing (MKTG)

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Music Industry (MUID)

Music Theory and Composition (MUTC)

Sacred Music (MUSA)

College of Education, Health and Human Sciences

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Health and Sport Sciences

Dietetics (NUTR)

Health and Human Performance (EXSS)

Health and Sport Sciences (HMSE)

Health Promotion (HPRO)

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Physical Education Teacher Education (PETE)

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Elementary Education (ELED)

Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)

Civil Engineering (CIVL)

Electrical and Computer Engineering (EECE)

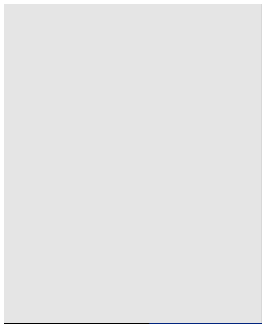
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Mechanical Engineering (MECH)

Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)



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Religion in Society

These guidelines are designed to serve persons who are interested in the study of religion and who want to work within some type of religious organization. They offer an historical understanding of the place of religion in society as well as an understanding of the social and individual dimensions of religious experience. They also offer an opportunity to study various religious belief systems from an academic perspective. Persons who want to serve in religious organizations may use these guidelines to gain practical skills. Graduates may enter graduate study in religion and receive further preparation for careers in religious organizations, as leaders, administrators, directors of education, counselors, teachers, social workers, or youth directors.

Program Summary

A. General Education (35-41 hours)

See [Graduation from the University](#) for the University General Education Program requirements. Students who have completed one year of American History in high school are exempted from the six credit-hour History General Education Program requirement; otherwise, students will have to meet the History requirement.

B. Coordinated Study (60 hours)

Core Courses - (15 hours required)
 ANTH 4253 Anthropology of Religion
 JDST 2850 Religions of Abraham: Judaism, Christianity, Islam
 PHIL 3701 Human and the Divine
 SOCI 3860 Sociology of Religion
 UNIV 3581 Faith, Reason, and Imagination
Context Courses - (21 hours) - Choose at least one course from each category

Religious Perspectives and Society

AAAS 4251 African Religions in the Diaspora
 HIST 3273 Islamic Civilization
 HIST 3274 Modern Islamic World
 HIST 3275 History of the Jewish People
 HIST 4361 History of the Byzantine Empire
 HIST 4371 Early Middle Ages
 HIST 4372 The High Middle Ages
 HIST 4390 Europe in the Age of the Reformation
 HIST 4882 Civil Rights Movement in the U.S. since 1930
 JDST 3601 Judaism
 JDST 3801 Jewish Thought I
 JDST 3802 Jewish Thought II
 JDST 4720 American Jewish Experience
 PHIL 3721 Oriental Philosophy
 PHIL 4711 Philosophy of Religion
 POLS 3102 Religion and Politics

Arts & Literature

ARTH 4130 Art of the Medieval World
 ARTH 4143 Art of High Renaissance Italy
 ARTH 4181 Traditional Arts of Africa, Oceania, and North America
 CLAS 2481 Mythology
 ENGL 4461 Bible as Literature
 JDST 4671 Jewish Literary Texts
 MUSA 4104 Sacred Music in History and Practice I
 MUSA 4105 Sacred Music in History and Practice II
 UNIV 3580 Hebrew and Greek Legacy

Individual Development

CSED 3302 Child and Adolescent Development

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PSYC 3101 Psychology of Personality
PSYC 3102 Abnormal Psychology
PSYC 3103 Child Psychology
PSYC 3104 Adult Psychology
PSYC 3106 Social Psychology
SOCI 3701 Individual and Society

Individual in Society

ANTH 3511 Culture, Kin and Family
CJUS 3540 Criminology
HIST 4851 History of Women in America
HIST 4881 African-American History
PHIL 3411 Contemporary Moral Problems
SOCI 3422 Ethnic Minorities
SOCI 3432 Sociology of Gender
SOCI 3831 Marriage and Family
SOCI 4460 Black and White Women in the South
SOCI 4541 Sociology of Aging
SOCI 4923 Social Institutions and the Life Cycle

Urban Society

ANTH 4411 Urban Anthropology
ANTH 4412 Neighborhood Development
HIST 4871 United States Urban History
SOCI 4442 Sociology of Poverty
SOCI 4631 Cities in Change
UNIV 3527 Making the Humane City (6 hours)

Skills for Service - 18 hours - (Choose at least one course from each category)

Administrative Skills

ACCT 2010 Fundamentals of Accounting I
MIS 2749 Foundation/Information Systems
MGMT 3110 Organization and Management
MKTG 3010 Principles of Marketing
PADM 3601 Public Administration
PADM 4226 Introduction to Nonprofit Organizations
SOCI 3311 Social Statistics

Counseling

COUN 4611 Introduction to Counseling
COUN 4781 Strategies for Crisis Intervention
COUN 4783 Alcohol and Drug Abuse Services*
*Students may want to take PSYC 3507 - Alcohol, Drugs and Behavior concurrently

Education

COUN 4621 Human Interactions
EDPR 2111 Development Across the Life Span
EDPR 3302 Child and Adolescent Development
LEAD 3350 The Adult Learner
SLS 3305 Leisure and Recreation Program Development
SLS 3905 Leisure and Recreation for People with Disabilities

Communication

COMM 4011 Communication in Organizations
COMM 4341 Interpersonal Communication
COMM 4342 Small Group Communication
COMM 4373 Interracial Communication
COMM 4375 Intercultural Communication
ENGL 3601 Technical and Professional Writing
ENGL 3604 Persuasive Writing

Applied and Experiential Learning or Internship (3 hours)

UNIV 4110 Internship or
UNIV 3900 Advanced Experiential Learning
(For prior learning, credit may be awarded for learning relevant to the major area of study based on assessment of an Experiential Learning portfolio that describes and documents the learning experiences.
http://www.memphis.edu/univcoll/experiential_learning.php)

C . Thematic Studies (6 hours)

D. Senior Project (3 hours)

UNIV 4995 Senior Project (completed during the final semester)

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College of Education, Health and Human Sciences

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Herff College of Engineering

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Loewenberg School of Nursing

Nursing (NURS)

E. Electives may be chosen to bring the total number of hours to 120 with a minimum of 42 upper-division hours.

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Religion in Society Minor

The University College offers an interdisciplinary minor in Religion in Society. This minor examines the role of religion in society as seen from the perspectives of cultural and social organizations; of history and philosophy; of art and music. The minor is open to students majoring in any area within any undergraduate college at The University of Memphis or to special students who wish to enroll in order to take such a program.

A. Required Core Courses (9 hours)

ANTH 4253 Anthropology of Religion

JDST 2850 Religions of Abraham

PHIL 3701 The Human and the Divine

• Additional Courses (9 hours)

(Select one course each from any three of the following four groups of courses):

Group 1

ANTH 3351 Old World Archaeology

JDST 4511 Holocaust Studies

POLS 3102 Religion and Politics

SOCI 3860 Sociology of Religion

Group 2

JDST 3801 Jewish Thought I

PHIL 3411 Contemporary Moral Problems

PHIL 3511 Ethics

PHIL 3721 Chinese Philosophy

UNIV 3581 Faith, Reason, and Imagination

Group 3

HIST 3274 Modern Islamic World

HIST 3275 History of the Jewish People

HIST 3290 Traditional Asia

HIST 4361 History of the Byzantine Empire

HIST 4372 The High Middle Ages

HIST 4390 Europe in the Age of the Reformation

HIST 4882 Civil Rights Movement in the United States Since 1930

Group 4

ARTH 4130 Art of the Medieval World

ARTH 4143 Art of the High Renaissance in Italy

ARTH 4181 Traditional Arts of Africa, Oceania and North America

CLAS 2481 Mythology

ENGL 4461 The Bible as Literature

JDST 3661 Old Testament

MUSA 4104 Sacred Music in History and Practice I

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UNIV 3580 Hebrew and Greek Legacy

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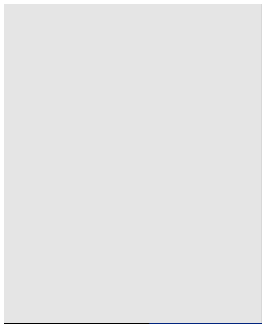
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- Child Development
- Dance
- Disability Studies and Rehabilitation Services
- Fashion and Home Furnishings Merchandising
- Health Services Administration
- Human Services
- Law Enforcement Administration
- Non-Profit Development and Administration
- Organizational Leadership
- Paralegal Studies
- Pre-school and Childcare Administration
- Technology Management Services

Bachelor of Liberal Studies (B.L.S.)

- Asian Studies and International Trade
- Judaic Studies
- Religion in Society

Minors

- Alcohol and Drug Abuse Services
- American Studies
- Child Development
- Religion in Society

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The Honors Program

Melinda Jones, Ph.D., Director
105 Honors Hall, (901) 678-2690
<http://honors.memphis.edu>

The Helen Hardin Honors Program provides exceptional educational opportunities for highly motivated and talented students. The Program enables students (regardless of major) to take advantage of the more intimate learning environment offered by small classes. Honors faculty members promote active learning and provide excellent teaching, including individualized support and attention.

The Program offers special curricular options and the opportunity to earn honors distinction. In most cases, participation in the Program does not increase the number of credit hours required for graduation. Classes within the Program span the entire range of the University.

The Honors Program encourages and supports opportunities that are designed to enhance the educational experience of its members. The Honors Program also coordinates special academic, social, and cultural events for honors students in which they can become part of a community of friends and fellow scholars outside the classroom.

The Helen Hardin Honors Program Office is located in Honors Hall on Patterson Street. There is a conference room, quiet study areas, a lounge area, and computer rooms for the use of honors students. The Director and Program staff may be reached at 901-678-2690.

Admission and Retention Standards and Procedures

National Merit Finalists and recipients of the Cecil C. Humphreys Presidential Scholarship, the Provost's Scholarship, and the Dean's Scholarship Incoming are automatically admissible to the Program upon receipt of their applications. Other incoming freshmen who score a minimum of 27 on the ACT, or its equivalent on other tests, and have a 3.5 high school GPA are invited to apply to the Honors Program. Transfer students or students currently enrolled at the University of Memphis are also eligible for the Honors Program if they have earned an overall grade point average of 3.00 for freshmen and sophomores and 3.25 for juniors and seniors. Students who do not qualify in one of these ways will be considered for provisional admission upon direct application. Letters of recommendation, though not required, may also be submitted.

To be considered for admission, applicants must be admitted to the University of Memphis and complete a separate application for admission to the Honors Program. An application for admission may be obtained from the Honors Office or downloaded from the Honors Program web site: <http://www.memphis.edu/honors>.

Honors students are expected to maintain good academic standing to continue in the Program; normally this is a minimum cumulative GPA of 3.0 in the freshman and sophomore years, and a minimum of 3.25 cumulative GPA in the junior and senior years. Students whose GPAs fall below the minimum will be allowed one probationary semester to raise their GPAs to the expected level. Students in the Honors Program are expected to take a least one honors course each semester in order to maintain the privilege of priority registration and to fulfill scholarship service obligations.

The Honors Curriculum and Requirements

The honors curriculum includes honors sections of General Education Program courses and other courses that fulfill core curriculum requirements. Honors programs offered by some departments also offer special honors sections of courses required for the major. Honors sections have the advantage of small class size, specially selected faculty, teaching that emphasizes student participation, and assignments that encourage students to think independently.

In addition to honors sections of regularly offered courses, the Honors Program also

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University Honors Program
Transitional Academic Studies

offers courses designed specifically for honors students. Courses carrying the UNHP subject area are interdisciplinary in nature, designed to explore a particular topic intensively and creatively.

Students also may earn honors credit by designing their own special projects based on independent study, fieldwork, or an internship experience (see UNHP 4900 course descriptions), or by contracting for honors credit within the context of a regularly scheduled course not officially offered as an honors course. Detailed information about earning honors credit through these approaches is available in the Honors Office. A minimum grade of "B" (3.0) is required in each honors course for it to count toward fulfilling the honors course requirement, but regular credit for the course will be earned if the grade is lower than a "B" (3.0).

Students within the Honors Program may pursue one of two tracks leading to "graduation with honors": University Honors or University Honors with Thesis.

University Honors: To attain "University Honors," with transcript and diploma notations, students complete 25 semester hours of honors coursework that includes UNHP 1100 (see UNHP course descriptions). Students must earn a minimum grade of "B" (3.0) in all honors courses and achieve a 3.25 cumulative grade point average.

University Honors with Thesis: The highest honor an Honors Program student can achieve is "University Honors with Thesis," which carries transcript and diploma notations. To attain this honors designation, students must complete a minimum of 25 semester hours of honors coursework that includes UNHP 1100 and a 3-credit senior honors thesis or project. Student must earn a minimum grade of "B" (3.0) in all honors courses and achieve a 3.25 cumulative grade point average.

The UNHP 1100 course requirements may be waived for students who are accepted into the University Honors Program after completing university coursework at the University of Memphis or another institution, with the expectation that they will substitute three semester hours of honors courses for this requirement.

Departmental or College Honors Programs: Some academic departments offer honors programs based on work in the major. Academic areas in the Fogelman College of Business and Economics offer a college-wide program for students pursuing the Bachelor of Business Administration, and several disciplines in the College of Arts and Sciences, the College of Communication and Fine Arts, and the Herff College of Engineering offer students the opportunity to earn honors distinction through special projects and independent study.

Generally speaking, students must have a 3.25 cumulative grade point average to pursue and receive department or college honors. Students should consult the specific department or college listing in this Catalog for detailed requirements, or contact the Honors Program Office for a listing of departments offering honors work in the major.

The Non-Resident Honors Student Award

A limited number of Non-Resident Honors Student Awards are available on a competitive basis to non-resident students who enroll full-time and who are actively pursuing an Honors Program designation. This award allows out-of-state students to pay in-state tuition. Students who receive this award are required to maintain good standing with the Honors Program, take at least one honors course every semester until they have earned the baccalaureate degree, and work toward graduation with an honors designation. Entering freshmen receive primary consideration for this award. Application forms for admission to the Honors Program and for the Non-Resident Honors Student Award may be obtained by writing to the Helen Hardin Honors Program, 105 Honors Hall, University of Memphis, Memphis, TN 38152-6140; by calling 901-678-2690; or by faxing 901-678-5367. Students may also submit an on-line application for the Non-Resident Honors Student Award at <http://honors.memphis.edu>

Special Opportunities for Honors Students

Students in the Honors Program participate in an intellectually vibrant atmosphere that extends beyond the classroom. Honors students are challenged by enriched honors courses, interdisciplinary seminars, and conversations with visiting scholars. Students have opportunities to extend their learning beyond the classroom and into the community through internships and public service. Students in the program may elect to live in honors-designated housing, which provides an atmosphere conducive to studying, but at the same time a place where friendships are easily established. Because of the special nature of their contribution to the University, honors students enjoy other privileges as well, including priority registration, extended library borrowing privileges, an honors computer lab, and special ceremonies that recognize outstanding students.

Students in the Honors Program are strongly encouraged to participate in undergraduate research opportunities. The Honors Program administers the Undergraduate Research Scholar Program that provides students the opportunity to present individual research at student research forums on campus. The Honors Program sponsors the Works-in-Progress

Symposium (WIPS) held at the University of Memphis each November, which gives all undergraduates an opportunity to present their research. Students who present at WIPS are encouraged to apply for acceptance to the National Conference on Undergraduate Research (NCUR) during the spring semester. Students who attend both WIPS and NCUR, and present at one other approved research forum can earn the designation "Undergraduate Research Scholar" on their transcript. Membership in the Honors Program is not required for this transcript designation.

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Transitional Academic Studies

<http://www.memphis.edu/trac/information.php>

Transitional Academic Studies (TRAC) at The University of Memphis permits students to enroll in special basic and developmental level courses to develop the academic competencies necessary for success in college level courses. Major components of the program included testing and placement in appropriate level courses.

Placement

Students admitted to the University of Memphis as beginning freshmen will be placed in appropriate writing, math, reading, and study skills courses based on valid [ACT subscores](#) (no more than 3 years old). Students without ACT scores will be required to take the COMPASS placement test to determine if they have the appropriate academic skills to successfully complete college level courses. Depending on the results of this test, students may be required to take one or more DSP courses. The following regulations regarding placement tests and course enrollment will apply:

COMPASS testing is required of students whose ACT (SAT) scores are more than 3 years old, transfer students with no college level credit in math or English, non-degree seeking students before enrollment in math or English, students with high school unit deficiencies in algebra or English, and students with no ACT/SAT scores.

Students placing in DSP courses must enroll in and begin each subject-area sequence at the level indicated by their ACT/SAT placement or the COMPASS test results and complete that particular sequence before enrolling in the subsequent Level I (college level) course.

Enrollment in any DSPM or DSPW course is restricted to students who have been placed by their ACT subscores or who have taken the appropriate placement test. Self-placement without testing is not permitted.

Retesting

Students may retake the COMPASS test for a fee of \$20. To sign up for retesting, students should go to Wilder 200. They will take a form to the Bursar's office to pay the retesting fee and then return the form to Wilder 200 to select a COMPASS test date.

Credit

Each DSP course carries 3 semester hours of non-degree level credit. The credit will count in the calculation of full-time status and the undergraduate joint (UJ) grade point average, and toward eligibility for athletics, financial aid, scholarships, and housing.

Course Grades and Class Attendance

The grading scale for DSP courses is A, B, C, F. No audit students will be permitted. Regular class attendance is mandatory and will be used in determining semester grades.

Academic Advising

Students requiring COMPASS testing or DSP courses should be advised in the Academic Counseling Center, 212 Wilder Tower.

Courses

Students required to enroll in DSPW 0700 or DSPM 0700, 0800, and 0850 may take these courses on the University of Memphis campus. These courses will be taught by Southwest Tennessee Community College.

Students required to enroll in DSPR 0700 and DSPR 0800 may take Reading and Study Skills sections of [ACAD 1100](#) to fulfill these requirements. Students with an ACT subscore

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University Honors Program
Transitional Academic Studies

of 16 or higher in Reading may take any section of [ACAD 1100](#) to fulfill their requirement for DSPR 0800.

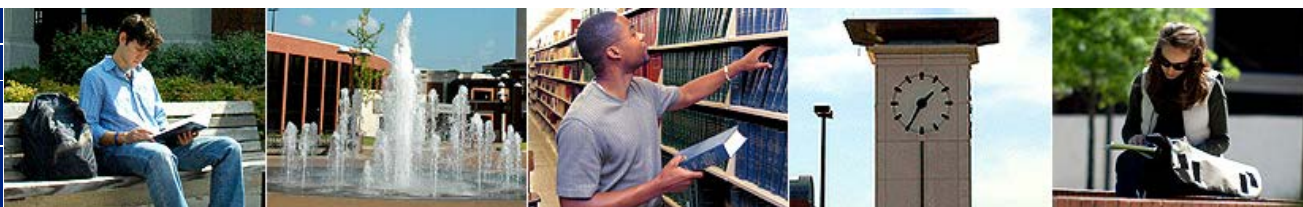
Students required to enroll in DSPS 0800 may take any section of [ACAD 1100](#) to fulfill their requirement for this course.

Students required to take DSPW 0800 may take special sections of ENGL 1010 that meet 5 hours a week to complete both their DSPW 0800 and their ENGL 1010 courses.

Students required to take DSPM 0850 have the option of taking special sections of MATH 1420 or MATH 1710 that meet 5 hours a week. Students must check with their advisor to determine which college level math course is appropriate for them- MATH 1420 or MATH 1710.

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Fire Administration and Fire Prevention Technology

Program Summary

A. University College is the regional center for the Degrees at a Distance Program (DDP), serving fire service personnel in Alabama, Arkansas, Kentucky, Louisiana, Mississippi, South Carolina, and Tennessee. DDP is an online degree completion program, offering upper-division courses in Fire Administration and Fire Prevention Technology. Freshman and sophomore courses, electives, and other courses related to the fire service are taken at a college near the student's residence. Students who have completed Associate Degree programs in Fire Related fields may transfer directly into this program. Additional articulation agreements exist with other two-year fire science programs in the region.

B. Fire Service Core Courses (21 upper-division hours):
 PADM 3612 Fire Prevention Organization and Management
 PADM 3613 Fire/Emergency Administration
 PADM 3614 Political and Legal Foundations of Fire Protections
 TECH 3940 Analysis/Public Fire Protection
 TECH 3944 Fire Protection Structure and Systems Design
 TECH 3947 Applications of Fire Research
 TECH 3948 Managerial Issues in Hazardous Materials

C. Fire Administration Concentration (9 upper-division hours):
 PADM 3610 Personnel Management Fire Service
 PADM 3611 Disaster Planning/Control
 PADM 3615 The Community Risk Reduction

D. Fire Prevention Technology Concentration (9 upper-division hours):
 TECH 3942 Fire Related Human Factors
 TECH 3945 Fire Investigation and Analysis
 TECH 3946 Fire Dynamics
 [Students may complete both concentrations, if desired]

E. Fire Service Elective (3 hours): Select one course from the other concentration

F. Senior Project (3 hours)

Course Descriptions

College of Arts and Sciences

[Aerospace Studies \(AERO\)](#)
[African and African American Studies \(AAAS\)](#)
[Anthropology \(ANTH\)](#)
[Biology \(BIOL\)](#)
[Chemistry \(CHEM\)](#)
[Computer Science \(COMP\)](#)
[Criminology and Criminal Justice \(CJUS\)](#)
[Earth Sciences \(ESCI\)](#)
[English \(ENGL\)](#)
[Emergency Management\(EMGT\)](#)
[Environmental Studies \(ENVR\)](#)
[Health Administration \(HADM\)](#)
[History \(HIST\)](#)
[International Studies \(INTL\)](#)
[Judaic Studies \(JDST\)](#)
[Mathematics \(MATH\)](#)
[Military Science \(ARMY\)](#)
[Naval Science \(NAVY\)](#)
[Philosophy \(PHIL\)](#)
[Physics \(PHYS\)](#)
[Political Science \(POLS\)](#)
[Open Learning Fire Services Program \(PADM\)](#)
[Public and Nonprofit Administration \(PADM\)](#)
[Psychology \(PSYC\)](#)
[Religious Studies \(RLGN\)](#)
[Social Work \(SWRK\)](#)
[Sociology \(SOCI\)](#)
[Women's Studies \(WMST\)](#)

Foreign Languages and Literatures

[Arabic \(ARAB\)](#)
[Chinese \(CHIN\)](#)
[Classics \(CLAS\)](#)
[French \(FREN\)](#)
[German \(GERM\)](#)
[Greek \(GREK\)](#)
[Hebrew \(HEBR\)](#)
[Italian \(ITAL\)](#)
[Japanese \(JAPN\)](#)
[Languages and Literature \(LALI\)](#)
[Latin \(LATN\)](#)
[Portuguese \(PORT\)](#)
[Russian \(RUSS\)](#)
[Spanish \(SPAN\)](#)

Fogelman College of Business and Economics

[Accountancy \(ACCT\)](#)
[Business Administration \(BA\)](#)
[Supply Chain Management Science \(SCMS\)](#)
[Economics \(ECON\)](#)

Finance (FIR)
Hospitality and Resort Management (HPRM)
Management Information Systems (MIS)
Management (MGMT)
Marketing (MKTG)

College of Communication and Fine Arts

Architecture (ARCH)
Art (ART)
Art History (ARTH)
Communication (COMM)
Communication/Fine Arts (CCFA)
Dance (DANC)
Interior Design (IDES)
Journalism (JOUR)
Theatre (THEA)

Music

Applied Music (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation (MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)
Sacred Music (MUSA)

College of Education, Health and Human Sciences

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

Health and Sport Sciences

Dietetics (NUTR)
Health and Human Performance (EXSS)
Health and Sport Sciences (HMSE)
Health Promotion (HPRO)
Physical Education Activities (PHED)
Physical Education Teacher Education (PETE)
Sport and Leisure Commerce (SLC)
Sport and Leisure Management (SLS)

Instruction and Curriculum Leadership

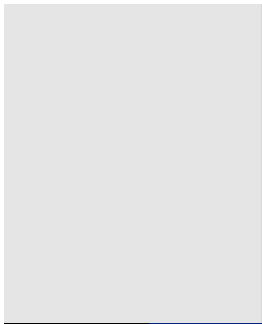
Early Childhood Education (ECED)
Educational Services (EDSV)
Elementary Education (ELED)
Instruction and Curriculum Leadership (ICL)
Instructional Design and Technology (IDT)
Leadership (LEAD)
Reading (RDNG)
Special Education (SPED)

Herff College of Engineering

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Electrical and Computer Engineering (EECE)
Engineering (ENGR)
Mechanical Engineering (MECH)
Technology (TECH)

Loewenberg School of Nursing

Nursing (NURS)



University College

[Family and Consumer Science \(CSED\)](#)
[Paralegal Studies \(LEGL\)](#)
[University College \(UNIV\)](#)

Independent Programs

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