# **University of Memphis**

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Undergraduate Catalog

## The University of Memphis

2008-2009 **Undergraduate Catalog** SHIRLEY C. RAINES, Ed.D., President THOMAS G. CARPENTER, Ph.D., President Emeritus The Ninety-fifth Session Will Open August 20, 2008

For students whose initial enrollment occurs Fall 2008-Summer 2009, this Catalog is valid through Summer 2015.

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



U of M Homepage

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.

The University of Memphis is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097, telephone number 404-679-4501) to award bachelor's, first professional, master's, educational specialist's, and doctoral degrees.

The Catalog web pages are maintained by the Director of Curriculum Planning, Dr. Catherine P. Serex. The last update occurred October 3, 2008.

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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
Center for Counseling, Learning 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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2008 - 2009 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

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



The University of Memphis Academic Calendar



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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 which 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 Center for Counseling, Learning 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;

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http://www.memphis.edu/ugcatalog/prog\_planning.php (2 of 2) [12/31/2008 2:32:35 PM]

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## Description of The University

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.

# **General Description**

The Memphis Community

Academic Program Accreditation

Facilities, Research and Services

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**General Description** The Memphis Community **Academic Program Accreditation** Facilities, Research and Services The Graduate School Cecil C. Humphreys School of Law Undergraduate Catalog :: Statement of Mission :: University of Memphis

The Graduate School

Cecil C. Humphreys School of Law

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Services to Students Services to Students

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

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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

**Appeal Procedures** 

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**Other Fees** Other Registration (Enrollment) Fee

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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

Maximum Credit Hour Load

Academic Standards

**Undergraduate Grade Appeal Procedures** 

**Computing GPA** 

Academic Fresh Start

**Academic Status and Retention** 

Recognition of Academic Performance

**Privacy Rights of Parents and Students** 

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**Class Attendance** Classification of Students Maximum Credit Hour Load **Academic Standards Undergraduate Grade Appeal Procedures** Computing GPA **Academic Fresh Start Academic Status and Retention** Recognition of Academic Performance **Privacy Rights of Parents and Students** Credit Transferred from Other Institutions Additional Means of Earning Credit

## **Credit Transferred from Other Institutions**

Additional Means of Earning Credit

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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 lowerdivision 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.

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**University General Education Program** Requirements for Teacher Licensure Catalog Applicability Second Bachelor's Degree Second Major

\*\*\*Students who plan to transfer to Tennessee Board of Regents (TBR) universities 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 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 (www.tbr.state.tn.us) under Transfer and Articulation Information.

University General Education Program

Requirements for Teacher Licensure

Catalog Applicability

Second Bachelor's Degree

Second Major

Minors

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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, English, Environmental Studies, Foreign Languages and Literatures, Geography, History, International Studies, Judaic Studies, Legal Thought and Liberal Arts, Mathematical Sciences, Philosophy, Physics, Political Science, Psychology, Public and Nonprofit Administration, 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, Logistics/Supply Chain Management, Management, Management Information Systems, Marketing Management, Sales

### College of Communication and Fine Arts

Architecture, Art, Art History, Communication, Journalism, Music, Theatre and Dance

### College of Education

Health and Human Performance, Human Development and Learning, Integrative Studies, Physical Education and Teacher Education, Special Education, Sport and Leisure Management

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

### Herff College of Engineering

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

Loewenberg School of Nursing

**University College** 

**Independent Programs** 

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)** 

**Decision Sciences (ISDS)** 

**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)

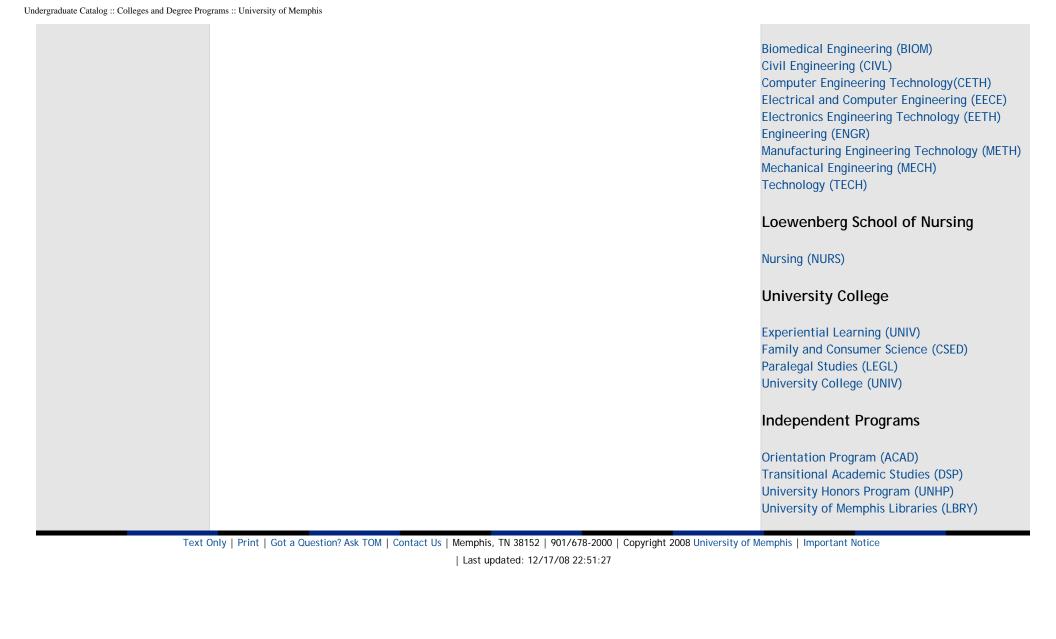
Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)







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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 lowerdivision 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. Lowerdivision means freshmen and sophomore courses. The course comprising the general education curriculum are contained within the following subject categories:

Subject Area	Semester Credit Hours Require
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

# **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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.)	6
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.	
Natural Sciences	8
Mathematics	3
Total	41

<sup>\*</sup> Foreign language courses are an additional requirement for the Associate of Arts (A.A.) and Bachelor of Arts (B.A.) degree. The B.A. degreee 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

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 w 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.state.tn.us).

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

## Foreign Languages and Literatures

## Foreign Languages and Literatures

Women's Studies (WMST)

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)** 

Decision Sciences (ISDS)

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)

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. I2COREQUISITE: ART 4001. 13(S/U). 14[G].

- 1. Subject area
- Course number/level
- 3. 6000 level cognate
- 4. Course title
- Credit hours
- 6. Former course number
- 7. Cross listing
- 8. Course description

- 9. Lecture/laboratory description
- Semester in which course usually offered
   (F) = Fall, (Sp) = Spring, (Su) = Summer
- 11. Prerequisite
- 12. Corequisite
- 13. Special Grading
- 14. General Education \*

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

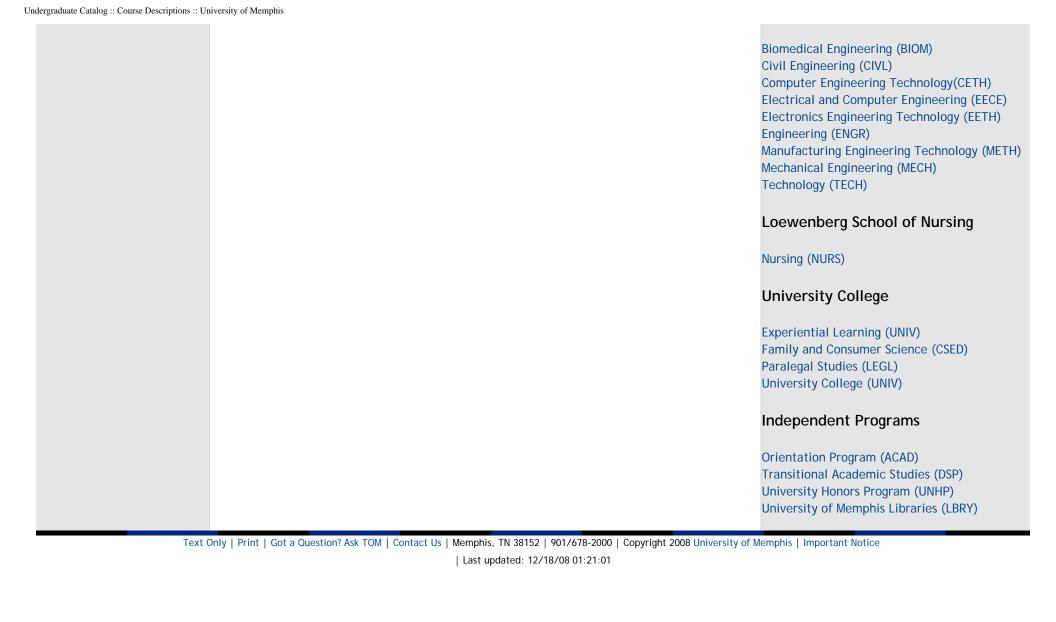
Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

## Herff College of Engineering

<sup>\* [</sup>G] = General Education





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## **University Administration**

SHIRLEY C. RAINES, Ed.D., President RALPH J. FAUDREE, Ph.D., Provost

CHARLES LEE, Vice President for Business and Finance

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

DOUGLAS E. HURLEY, Ph.D., Vice President for Information Systems and Chief Information Officer The College Of Communication And Fine Arts

JULIE A. JOHNSON, M.A., Vice President for Advancement

BOB EOFF, Vice President for Communications, Marketing and Public Relations

ANDREW W. MEYERS, Ph.D., Vice Provost for Research

TOM NENON, Ph.D., Vice Provost for Assessment, Institutional Research and Reporting

SHANNON LINDSEY BLANTON, Ph.D., Vice Provost for Undergraduate Programs

KAREN WEDDLE-WEST, Ph.D., Vice Provost for Graduate Studies

DAN L. LATTIMORE, Ph.D., Vice Provost for Extended Programs and Dean, University College

HENRY A. KURTZ., Ph.D., Dean, College of Arts and Sciences

RAJIV GROVER, Ph.D., Dean, Fogelman College of Business and Economics

RICHARD R. RANTA, Ph.D., Dean, College of Communication and Fine Arts

MICHAEL HAMRICK, Ed.D., Interim Dean, College of Education

RICHARD C. WARDER, JR., Ph.D., Dean, Herff College of Engineering

MARJORIE F. LUTTRELL, Ph.D., Dean, Loewenberg School of Nursing

MAURICE MENDEL, Ph.D., Dean, School of Audiology and Speech Language Pathology

JAMES R. SMOOT, J.D., Dean, Cecil C. Humphreys School of Law

SYLVERNA V. FORD., Ph.D., Dean of Libraries

## **Colleges And Departments**

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The College Of Education

The Herff College Of Engineering

The Loewenberg School Of Nursing

**University College** 

**University Honors Program** 

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**Class Offerings** 

Availability of Class Listings

The University of Memphis produces class listings for each of its semesters (Fall, Spring, and Summer). Generally speaking, the Spring version is available in mid-October, and the Summer and Fall versions are available in mid-March. Check availability online at these times. When the listings are available, they will appear as a term selection option in either the Class Schedule Search or Look Up Classes. Please see "Are you either a current student or an Applicant?" below for more information.

Please be aware that the University's course offerings and requirements are subject to revision.



Are you either a current student or an applicant?

- NO: I'm thinking about enrolling and want to see what you offer.
   Use the Class Schedule Search. This allows you to view dynamic, up-to-date course offerings via the web, but does not require a login. (You cannot use <u>Look Up Classes</u>.)
- YES: I need to plan my schedule.
  Use Look Up Classes:
  - 1. Login to the Spectrum portal.
  - 2. Click on the Student tab.
  - 3. Select Look Up Classes from the Registration Tools channel.
  - 4. (You can also use the <u>Class Schedule Search</u> feature, but most students prefer to use Look Up Classes because it displays results more compactly than the Class Schedule Search and because, while registration is open, Look Up Classes allows you to register for a course by selecting it and clicking on the [Register] button.)

#### **Related Websites:**

Course Descriptions - Graduate | Undergraduate

#### **Class Listings Archive**

Class listings in pdf for semesters earlier than Spring 2008.

#### Distance Education Courses

Course listings, maps, and other information.

Regents Online Degree Program (RODP)
Course listings and information on this program.

### Help Searching for Offerings

Both <u>Look Up Classes</u> and <u>Class Schedule Search</u> provide you with the capability of searching on a combination of criteria (Subject, Credit Hours, Campus Code, Instructor, etc.). Thus, it is possible for you to produce very specific lists of classes--online classes only, classes taught by a particular instructor, classes offered at a particular off-campus site, classes offered in only one part-of-term, etc.

For tips on using course search features and interpreting results, see our **Student Self Service Help** page. (Note: The Interpreting Results page applies only to Look Up Classes.)

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### **Academic Year Calendars**

Academic year calendars mark the major activity dates (class start/end dates, exam dates, and commencement) of each term and its parts. Each Academic Year begins with the Fall term and ends at the conclusion of the Summer term.

Students wanting registration, add/drop, fee payment, etc., dates and deadlines for a particular, immediate term should review the **Dates & Deadlines Calendar** for that term.

Available Calendars:

2002-2003

2003-2004

2004-2005

2005-2006

2006-2007

2007-2008



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THE UNIVERSITY OF MEMPHIS.

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**News and Features** 

Campus School Hosts Prospective-Student Parent Orientation Jan. 9

The Campus School will host orientation for the parents of prospective students Friday, January 9, on the U of M campus.

U of M Professor Warren Haggard Named to ASTM International Board

Dr. Warren O. Haggard has been named to a three-year term on the ASTM International board of directors beginning in January 2009.

Bar Association Honors Law School Administrators

The *Memphis Bar Association's* President's Award has been presented to two key administrators of the Cecil C. Humphreys School of Law at the U of M.

Professor of Political Science Takes Look at '08 Presidential Election
It is evident that Memphians are moved by the significance of this election is

It is evident that Memphians are moved by the significance of this election in light of this city's history and its role in the Civil Rights Movement.

More News
U of M in a Minute | Latest News Releases | News Release Archive

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Academic Year Calendar: 2008-2009

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	<u>Part</u>	Activity or Event	Day / Date
	All	Registration Period Begins	Mon / Apr 7, 2008
	Full	First Day of Classes	Sat / Aug 23, 2008
	Full	Labor Day	Mon / Sep 1, 2008
	Full	Fall Break	Sat-Tue / Oct 11-14, 2008
	Full	Thanksgiving Holidays	Thu-Sun / Nov 27-30, 2008
	Full	Last Day of Classes	Wed / Dec 3, 2008
	Full	Study Day	Thu / Dec 4, 2008
	Full	Exams	Fri-Thu / Dec 5-11, 2008
	1st	First Day of Classes	Sat / Aug 23, 2008
	1st	Last Day of Classes/Exams	Fri / Oct 10, 2008
	2nd	First Day of Classes	Wed / Oct 15, 2008
	2nd	Last Day of Classes/Exams	Wed / Dec 3, 2008
	All	Commencement	TBA; see Commencement site.
For a detailed semester calendar, see Fal		etailed semester calendar, see Fa	II 2008 Dates & Deadlines.

**Available Calendars:** 

2002-2003

2003-2004

2004-2005

2005-2006

2006-2007

2007-2008

Spring 2009

<u>Part</u>	Activity or Event	ny / Date	
All	Registration Period Begins Mon / Nov 10, 2008		
Full	First Day of Classes	st Day of Classes Thu / Jan 15, 2009	
Full	M. L. King, Jr. Holiday	Mon / Jan 19, 2009	
Full	Spring Break	Mon-Sun / Mar 9-15, 2009	
Full	Last Day of Classes	Wed / Apr 29, 2009	
Full	Study Day	Thu / Apr 30, 2009	
Full	Exams	Fri-Thu / May 1-7, 2009	
1st	First Day of Classes	Thu / Jan 15, 2009	
1st	Last Day of Classes/Exams	Fri / Mar 6, 2009	
2nd	First Day of Classes	Mon / Mar 16, 2009	
2nd	Last Day of Classes/Exams	Wed / Apr 29, 2009	
All	Commencement	TBA; see Commencement site.	
For a d	etailed semester calendar, see <b>S</b> p	oring 2009 Dates & Deadlines.	

Summer 2009

<u>Part</u>	Activity or Event	Day / Date
All	Registration Period Begins	Mon / Apr 6, 2009
Pre	First Day of Classes	Mon / May 18, 2009
Pre	Memorial Day Holiday	Mon / May 25, 2009
Pre	Last Day of Classes	Thu / Jun 4, 2009
Pre	Exams	Fri / Jun 5, 2009
Full	First Day of Classes	Mon / June 8, 2009
Full	Break for Full Term	Thu-Sun / July 2-5, 2009
Full	Last Day of Classes	Thu / Aug 13, 2009
Full	Exams	Fri / Aug 14, 2009
1st	First Day of Classes	Mon / June 8, 2009
1st	Independence Day Holidays	Fri / July 3, 2009
1st	Last Day of Classes	Thu / July 9, 2009
1st	Exams	Fri / July 10, 2009
2nd	First Day of Classes	Tue / July 14, 2009

2008-2009	
2009-2010	_
2010-2011	_

2nd	Last Day of Classes	Thu / Aug 13, 2009	
2nd	Exams	Fri / Aug 14, 2009	
All	Commencement	TBA; see Commencement site.	
The detailed Summer 2009 Dates & Deadlines calendar is not available yet.			

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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.

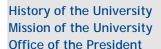
The metropolitan and regional requirements for more highly trained university graduates have, of necessity, caused the University to expand all its offerings in arts and sciences, business, the fine arts, education, engineering and technology, law, and several special professional fields. Degrees range 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

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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

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 Audiology and Speech-Language Pathology, 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, 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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Memphis, TN **Memphis Travel** 

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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 Association of Family and Consumer Sciences
- 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 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 League for Nursing Accrediting Commission
- National Strength and Conditioning Association
- North American Society for Sports Management

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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/ 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://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

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Southern Regional Education Board (SREB) The University of Memphis Libraries ORISE Catalog of Education and Training **Programs** 

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

The University of Memphis Libraries' website <a href="http://lib.memphis.edu">http://lib.memphis.edu</a> 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 additions, 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 it 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. 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.

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#### 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 the Study of Higher Education

The Center for the Study of Higher Education, located in the College of Education, conducts research and sponsors workshops and conferences in higher education.

### 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.

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### Integrated Microscopy Center

The Integrated Microscopy Center provides facilities and expertise in the field of light, coufocal 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 Amenmessse 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.

#### The Marcus W. Orr Center for the Humanities

The Center promotes interdisciplinary research and teaching in the humanities at the University of Memphis. Its various programs, including several lecture series and the sponsorship of visiting scholars, faculty seminars and symposia, are designed to encourage scholarly collaboration across departmental and college boundaries. It also seeks to promote the University's scholarly

resources in the Memphis community, by offering a variety of public programs. The Center was founded in 1987, and renamed in 1991 in honor of former history professor, D. Marcus W. Orr.

### 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://www.orau.gov/orise/educ/htm, 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.

JACKSON CENTER, located on the campus of Jackson State Community College, offers a wide variety of undergraduate and graduate courses and degree programs to students living in the Jackson area. In addition, the Jackson Center houses the Office of Extended Programs, which coordinates course and program delivery at various locations in West Tennessee.

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

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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 Audiology and Speech-Language Pathology, the College of Education, and the College of Communication and Fine Arts, respectively. The College of Education 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 offered in College Teaching, Community College Teaching and Leadership, Geographic Information Systems, Instructional Computing Applications, Museum Studies, and Women's Studies.

Visit the Graduate School at http://academics.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 School of Law concerning additional admissions requirements should be addressed to the Assistant Dean for Admissions, Recruitment, and Scholarships at http://www.law.memphis.edu/admissions/ 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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### Admissions

Enrollment Services aims to provide "excellence in service with a personal touch" for all students enrolled at the University of Memphis. We seek to provide services that are pleasant, friendly, effective, efficient, and without lines. Included in Enrollment Services are: Office of Admissions; Office of Student Relations and Orientation Services; Office of Student Financial Aid (including the University Scholarship Program); Office of the Registrar (including an Evening Branch Office); and the Enrollment Systems Office.

### 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 issues notices of acceptance to qualified students. Undergraduate students may enter at the beginning of either of the fall or spring semesters or at the beginning of any term of the summer session.

The University of Memphis encourages all those who feel they can benefit from the educational opportunities offered by the institution to file an application for admission. Consideration is given to age, 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

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Registration and Student Records

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Other Activities

**Honors and Awards** 

orientation, course planning, class scheduling and financial aid consideration. High school students planning to apply as freshmen should submit applications as soon as possible after completion of the junior year. Applications for admission are available from many secondary school/guidance counseling offices and from the Student Relations, Orientation, Recruitment Office, the University of Memphis, Memphis, TN 38152. All credentials become the property of the University and cannot be forwarded or returned.

Credentials will be maintained in active files for a 12-month period. After this period, credentials will be relegated to inactive status and must be submitted again before an admission decision can be made.

Regulations in this section are subject to change without notice.

### Admission As Degree-seeking Undergraduates

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

### Freshman Applicants

An applicant who has no previous college enrollment may be considered for admission as a regular undergraduate freshman by 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 carried 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 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.

### GED Applicants (under the age of 21)

Students who have achieved a high school diploma through 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. All GED applicants (traditional 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.

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.

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 this Catalog for more details.)

- 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.

Student success at the University of Memphis is strongly predicted by academic performance in high school and also linked to performance on the ACT. Therefore, 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. The admission of first-time freshmen is selective based on the calculated index, and also includes an evaluation of the required high school curriculum completed. In some cases, recommendations are also considered.

Applicants who wish to provide additional information regarding special talents or circumstances may do so by contacting the Office of Admissions. Applicants with diagnosed learning disabilities should contact the Director of the Office for Students with Disabilities for further information.

### 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.

Effective the Fall Semester 1989, among the units required for graduation, 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 (I 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 (2 units required): For students graduating prior to spring 1993, the units in this category may include: history, government, geography, economics, sociology, psychology, or anthropology. For students graduating in the spring 1993 or thereafter, these units must come from the following: modern history, ancient history, world history, world geography, or European history. One unit in American History is also required.

**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, on the other hand, 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.

Applicants with subject deficiencies may, with proper institutional approvals, be admitted to the university; however, the deficiencies must be removed during the first 64 semester hours (30 semester hours for transfer students) of college enrollment. College level courses taken to

remove unit deficiencies must be completed with a grade of C or better and will be used for elective credit only. Different requirements may be specified for certain groups of applicants: adult students (i.e., students separated from high school graduation by three or more years), GED students who are not high school graduates, and international students. Transfer and reentry students may be required to remove any deficiencies before regular admission.

### Out-of-state Applicants

Acceptance to the University for out-of-state applicants who meet guaranteed admission standards may be granted on the same basis as for in-state applicants. Acceptance for all other out-of-state applicants is competitive.

Out of state applicants who qualify for and participate in the University Honors Program may qualify for a Non-Resident Honors Student Award.

### **Early Admission Applicants**

Academically outstanding high school juniors who have completed three academic years of high school, accumulating at least 14 units of course work 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.

### Transfer Applicants

### Transfer applicants with less than 24 credit hours

The University of Memphis welcomes applications from students who have begun college elsewhere. 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 freshmen;
- 2. Have earned a 2.00 GPA (as computed by the University of Memphis) on all attempted college level as well as developmental or remedial courses; and
- 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 (not to include summer sessions) 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 Office of Academic Status and Retention 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 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).

Non-traditional Student Applicants (those 21 years of age or older and possess a high school diploma or a GED)

Non-traditional student applicants who apply for admission will be reviewed by the standing internal admissions committee. All non-traditional student applicants must 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). Non-traditional 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.).

### Service members Opportunity Colleges (ConAP Program)

The University of Memphis is a participant in the Service members Opportunity Colleges (SOC) partnership. Under this agreement and through the Concurrent Admissions Program (ConAP), people enlisting in the armed forces can be admitted to a college and/or university at the same time as their enlistment. Eligible soldiers can be admitted to college on a full or provisional basis, with enrollment deferred for up to two years after completion of active military service or initial active-duty for training. Enrollment of student who, subsequent to this agreement, attempts college coursework elsewhere is subject to academic performance standards stated in the catalog. In addition to the concurrent admissions, the last 25-hour residency requirement of the university has been waived for participants. More information can be obtained through the Director of Admissions Office, the University of Memphis.

### International Students

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 nonimmigrant, 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 under "Requirements."

The international application should be completed carefully and returned 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. A check or money order, made payable to the University of Memphis, must be sent with the application form. Applications received without the fee will be returned.

International applicants should write to 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. 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

- 1. Educational Background: Applicants must list on the form provided by the university every school attended, beginning with primary school, to the present, including each primary, secondary, and post secondary institution.
- 2. 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 photostatic copies if the documents in question cannot be easily

replaced.

- 3. 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. 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 the testing agency to the University of Memphis.
- 4. 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, lowa City, Iowa, 52243, U.S.A. All test scores must be sent directly from the testing agency to the University of Memphis.
- 5. 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 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.
- 6. 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.

- 7. 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.
- 8. English Placement Examination: All international applicants who are accepted must take an English placement examination, administered by the English Department, before enrollment. Placement in an English class will be determined by the results of this examination. International students should arrange to be on campus approximately one week before the first day of classes for the proposed term of entry.
- 9. 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.

- 10. International students who wish to apply for readmission to the university must meet the deadlines stated above.
- 11. International students must become familiar with the regulations of the Immigration and Naturalization Service and assume responsibility for complying with these regulations.
- **12**. International students should be prepared to attend a four- to five-day mandatory orientation prior to the first day of class.

#### 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.

### Former Students (Readmission)

Former undergraduate students who wish to return to the University at the same level as when they previously attended and have missed any academic term excluding summer, must file an application for readmission. This form should be secured, completed, and returned to the Admissions Office. 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.)

#### 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 for Regular Undergraduates. 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 students 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 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.

### Non-degree Applicants

An applicant who wishes to enter the University, and who is not presently pursuing a degree, may do so by applying for admission at this level and meeting one of the three conditions listed below:

### 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 never attended another college or university may be admitted in this category by meeting the following conditions:

- 1. provide proof of high school graduation or the equivalent OR
- 2. be at least 21 years of age or provide proof that the high school class of which he or she was a member graduated at least three years ago.
- 3. Applicants who are offered admission with ACT composite, English, or math scores less than 19 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.

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 regular undergraduate 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 fall or spring semester. Admission procedures and requirements are the same as those for degree-seeking undergraduate applicants with the following clarifications:

1. An acceptable entrance examination score or the equivalent may be required for students wishing to have their level changed to degree-seeking undergraduate status. Applicants who do not meet one of the criteria outlined in the Adult Students section may choose one of the following to complete this requirement:

A. Submitting an acceptable ACT or SAT score.

OR

B. Earn at the University of Memphis a cumulative GPA of 2.00 or greater that includes 12 hours or more exclusive of physical activity courses.

NOTE: Courses defined as Transitional Academic Studies (DSP) may not be used in satisfying the 2.00 requirement.

2. The high school graduation requirement may be satisfied by any of the methods listed in the regular undergraduate freshman section of this 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 this Catalog.

### 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.

### 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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### 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.)

All first-time freshmen whose ACT English, reading or math subscores are less than 19 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 this Catalog for more details.)

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.

The FAFSA is also required as the application for federal student non-need based loans. The FAFSA is not required for Federal PLUS Loans (for parents of dependent students), non-federal student loans, scholarships, and non-federal student employment.

The University of Memphis priority date for filling the FAFSA for a fall semester is March 1. For a spring semester, the priority date for filing is October 1. The student must also submit any other required documents in order to complete his/her application prior to being awarded. Students are notified of any other required documents after the Student Financial Aid Office receives the FAFSA results. Please access the Student Financial Aid Office for current information: http:// www.memphis.edu/financialaid.

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Grants

The following grants are need-based programs that do not require repayment. Grants are only available to students who are pursuing their first bachelor's degrees.

Federal Pell Grant The Federal Pell Grant program provides awards ranging from \$400 to approximately \$4,000 based the Expected Family Contribution and the enrollment status of the student. The highest awards are for full-time attendance (12+ credit hours per semester). A Pell Grant is limited to the equivalent of two full-time semester awards during an academic year plus the summer terms.

Federal Supplemental Educational Opportunity Grant The Federal Supplemental Educational Opportunity Grant program provides awards ranging from \$500 to \$4,000 to Pell Grant eligible students based on their financial need - the difference between the total student budget and the Expected Family Contribution. Initial awards are for fall and spring semesters. Summer awards are only available if there are funds remaining.

The Tennessee Student Assistance Award Program The Tennessee Student Assistance Program is available to residents of the State of Tennessee. To qualify, students send in the Free Application for Federal Student Aid early enough to be processed by May 1 preceding the start of a fall semester. The student must be Pell Grant eligible. Award amounts depend on annual funding and are for fall and spring semesters only.

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Each of the federal loan programs require at least half-time enrollment (six credit hours). Payments can be deferred for continued half-time enrollment and canceled for specific types of employment after graduation (for example, teaching). Additional deferment/cancellation information is available from the Student Financial Aid Office.

Federal Perkins Loan Program The Federal Perkins Loan program is a need-based program that provides low interest loans for up to \$4,000 per academic year. These loans are awarded to students that have the highest financial need - the difference between the total student budget and the Expected Family Contribution. The interest rate is 5% annually and payments begin nine (9) months after the student is no longer enrolled at least half-time. Initial awards are for fall and spring semesters. Summer awards are only available if there are funds remaining.

Federal Direct Subsidized Student Loan The Federal Direct Subsidized Loan is a need-based program that provides low interest loans. Loan amounts are awarded based on the student's financial need - the difference between the total student budget and the Expected Family Contribution. Payments on subsidized loans are deferred until six (6) months after the student is no longer enrolled at least half-time.

Federal Direct Unsubsidized Loan The Federal Direct Unsubsidized Loan is a non-need based program that provides low interest loans. Although this program is not based on financial need, a student's eligibility for subsidized loan must be determined before an unsubsidized loan can be approved. Interest payments on unsubsidized loans begin within 60 days of the disbursement of the loan. Interest can be deferred while the student is enrolled at least half-time but is added to the loan principal in a process called "capitalization."

Direct Loan Amounts For students who meet the federal definition of being dependent (refer to the FAFSA for this definition), the maximum annual loan amounts including fall, spring and summer for a subsidized loan plus an unsubsidized loan are based on the academic year of the student:

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Freshman \$2,625 Sophomore \$3,500 Junior/Senior/2nd Bachelor's \$5,500

For students who meet the federal definition of being independent (refer to the FAFSA for this definition), the following additional maximum annual unsubsidized loan amounts including fall, spring, and summer are available based on the academic year of the student:

Freshman/Sophomore \$4,000 Junior/Senior/2nd Bachelor's \$5.000

The amount of subsidized loan cannot exceed the student's financial need when combined with any other financial aid programs received by the student, and the amount of subsidized plus unsubsidized loan cannot exceed the total student budget when combined with any other financial aid programs received by the student.

Entrance And Exit Interviews First-time borrowers are required to have an entrance interview prior to the disbursement of a Direct Loan in order to familiarize them with the terms of repayment and their rights and responsibilities. Both Direct Loan and Perkins Loan borrowers are required to have an exit interview when they graduate or discontinue attendance at the University of Memphis.

Federal Direct Plus Loan The Federal Direct Plus Loan is a non-need based low interest loan available to parents of students who meet the federal definition of being dependent (refer to the FAFSA for this definition). To apply, students or parents complete a loan request form obtained from the Student Financial Aid Office. Approval for this loan requires a credit check. The maximum loan amount is the difference between the total student budget and any other financial aid being received by the student. Principal and interest payments begin within 60 days of the disbursement of the loan. PLUS loans are available for fall, spring, and summer.

Tennessee Teaching Scholars Program The Tennessee Teaching Scholars Program is a forgivable loan up to \$1,500 per academic year for college juniors, seniors, and post bachelor's degree students admitted to a state-approved teacher education programs at an eligible Tennessee post-secondary institution. The student must pledge to teach at the public preschool, elementary, or secondary level in Tennessee one year for each year the award is received. Applications and information about this program may be obtained from the Tennessee Student Assistance Corporation, the University of Memphis College of Education, or the Scholarship Office.

Institutional/Private Loan Programs The University has privately funded loan programs to meet the needs of students who may not be eligible for the federal or state loan programs, or who can repay within a short time.

Freeman Loan Program The Freeman Loan Program was established for the sole purpose of

providing worthy/needy students loans to help pay a part of their educational costs when other financial assistance is not available. Eligibility for this low interest, long-term loan program is based upon satisfactory academic progress and financial need. The application for this program is the FAFSA, which is available from the Student Financial Aid Office.

C.i.o.s. Loan The C.I.O.S. Loan program is a privately funded non-need based program to help students meet expenses. Full time students (12 credit hours undergraduate or 9 credit hours graduate) who have a minimum GPA (2.5 undergraduate; 3.0 graduate), have completed at least one semester at the University of Memphis, and have not previously defaulted on a student loan are eligible to borrow up to \$1,000 per semester, \$2,000 per academic year, including summer. The interest rate is 5% and payments begin six (6) months after ceasing full-time attendance at the University of Memphis. This loan program requires an application that is available from the Scholarship Office.

General Everett R. Cook Arnold Air Society Loan This loan fund was established to provide financial assistance in the form of short-term loans for students enrolled in the Professional Officer Course of the Air Force Reserve Officers Training Corps. Applications for this loan are available from Air Force ROTC.

General Ralph H. Wooten Loan This loan fund was established for the purpose of providing low interest educational loans to students enrolled in the Air Force Reserve Officers Training Corps. Applications for this loan are available from Air Force ROTC.

University Book Loan The University Book Loan is a 15% interest-bearing loan, with a maximum loan amount of \$250. Any amount approved will be credited to the student's Tiger Fund\$ Account and must be used for textbooks and other educationally related materials. This loan (interest plus principal) must be repaid by November 1 of the fall semester, April 1 of the spring semester, and by August 1 of the summer semester. Applications for this loan are available from the Bursar's Office.

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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 needbased and is available to any student enrolled at least half-time. Job openings for both programs are posted in the Student Employment Office.

Federal Work-Study Federal Work-Study (FWS) is a need-based financial aid program that provides employment opportunities. FWS awards are based on the student's financial need - the difference between the total student budget and the Expected Family Contribution. The amount awarded is the maximum the student can earn during the fall and/or spring semesters, or during Grants the summer terms. Initial awards are for fall and spring semesters. Summer awards are only available if there are funds remaining. FWS earnings are excluded when completing the FAFSA.

Regular Student Employment The regular student employment program provides employment opportunities regardless of the student's financial need. Earnings under the regular student employment program are included when completing the FAFSA.

International Students Pursuant to federal regulations of the Immigration and Naturalization Service, there is a restriction on the number of hours students on certain visas may work. International students who have questions regarding student employment should contact the International Student Advisor.



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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.

NOTE: The Scholarship Office handles UNDERGRADUATE PROGRAMS ONLY. For more information on deadlines and any other questions you may have, contact the 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.

#### 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, they 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.

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.

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Links of Interest

A list of other scholarships are available below:

**Private University Scholarships** Special Scholarships **University Scholarship Awards** 

**Departmental Scholarships** 

The College of Arts and Sciences The Fogelman College of Business and **Fconomics** 

The College of Communications and Fine Arts

The College of Education The Herff College of Engineering

Loewenberg School of Nursing **University College** 

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 weighted). 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. Students eligible for the State of Tennessee HOPE Scholarship Program (Lottery Scholarship) must apply for the scholarship and complete the Free Application for Student Aid (FAFSA) as specified by the Tennessee Student Assistance Corporation (TSAC). For more details regarding the Tennessee HOPE Scholarship Program, please go to the TSAC web site at http://www.state.tn.us/tsac/

A list of other scholarships are available below:

**Private University Scholarships** 

Special Scholarships

**University Scholarship Awards** 

**Departmental Scholarships** 

The College of Arts and Sciences
The Fogelman College of Business and Economics
The College of Communications and Fine Arts
The College of Education
The Herff College of Engineering
Loewenberg School of Nursing
University College

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#### The Cecil C. Humphreys Merit Scholarship

Awarded to all National Merit/National Achievement finalists listing the University of Memphis as their first choice with the National Merit Scholarship Corporation by the required deadline. This prestigious award is \$9,000 per year plus the following benefits:

- 1. Dell laptop computer
- 2. Study Abroad or National Student Exchange Stipend of \$2,000
- 3. National Merit Corporation Stipend
- 4. Assistance provided for travel to National Conference on Undergraduate Research
- 5. Non-Resident Honors Student Award (NRHSA) for out-of-state awardees.

Cecil C. Humphreys Presidential Scholarship and Cecil C. Humphreys Herff Scholarships

Awarded to students with a minimum 30 ACT/1320 SAT and a 3.5 or above cumulative high school grade point average. This scholarship is also awarded to students who are named National Merit/National Achievement Semifinalists by the National Merit Corporation. The Cecil C. Humphreys Presidential Scholarship is a \$7,500 per year award. In addition, students receiving this scholarship also receive the following benefits:

- 1. Study Abroad or National Student Exchange Stipend of \$1,000
- 2. Assistance provided for travel to National Conference on Undergraduate Research
- 3. Non-Resident Honors Student Award (NRHSA) for out-of-state awardees.

#### The University of Memphis Provost's Scholarship

Awarded to students with a minimum 28 ACT/1240 SAT and a 3.25 or above cumulative high school grade point average. The Provost's Scholarship is awarded to a limited number of students each year. The Provost Scholarship is a \$5,500 per year award.

#### The Valedictorian Scholarship

Provides funding to top scholars from each of Tennessee's accredited or state approved high schools. The recipient must rank number one in the class and meet the admission requirements of the University of Memphis. The Valedictorian Scholarship is a \$4,500 per year award.

#### The University of Memphis Dean's Scholarship

Awarded to students with a minimum 25 ACT/1130 SAT and a 3.00 or above cumulative high school grade point average. The Dean's Scholarship is awarded to a limited number of students each year. The Dean's Scholarship is a \$3,000 per year award.

#### The Emerging Leaders Scholarship

Requires a separate application available in the Office of Student Leadership (Wilder Tower 8th Floor). The deadline to apply for this scholarship is January 18. For more information on this scholarship, please call 901-678-8679. The Emerging Leaders Scholarship is awarded to a limited number of students each year. The Emerging Leaders Scholarship is a \$5,500 per year award. A minimum ACT of 21/SAT of 980 and a 3.0 or better cumulative high school grade point average is required for all applicants. For renewal of this scholarship, recipients must maintain a 2.75 cumulative grade point average after the first year of enrollment and a 3.0 each semester thereafter. Recipients of this scholarship must enroll as full-time students (12 hours or more) for the Fall and Spring semesters and complete 24 credit hours annually. On campus housing and the purchase of a meal plan is required for students who are selected to receive this scholarship.

#### The University of Memphis Advantage Scholarship

Requires a separate application available on-line at www.enrollment.memphis.edu/scholarships and is also available in the Scholarship Office located in 107 Wilder Tower, University of

Memphis. The University of Memphis Advantage Scholarship is designed to ensure that the university's goal of having a diverse student body is met. This award is competitive and awarded to a limited number of students who apply and have filed the FAFSA by *March 1*. The Memphis Advantage Scholarship is a \$4,000 per year award. Students must have a minimum 23 ACT/1060 SAT and a 3.00 or above cumulative high school grade point average as well as meet other criteria in order to be considered for this scholarship.

#### The University of Memphis Community College Transfer Scholarship

Requires a separate application available on-line at www.enrollment.memphis.edu/scholarships and is also available in the Scholarship Office located in 107 Wilder Tower, University of Memphis. To be eligible to apply for the Community College Transfer Scholarship, you must graduate from a Tennessee Community College by August 1 and have a minimum transfer grade point average of 3.5. Students also must apply and be admitted to The University of Memphis by March 1. The Community College Transfer Scholarship is a \$6,500 per year award.

#### The University of Memphis Phi Theta Kappa Scholarship

Requires a separate application available on-line at www.enrollment.memphis.edu/scholarships and is also available in the Scholarship Office located in 107 Wilder Tower, University of Memphis. To be eligible to apply for the Phi Theta Kappa Scholarship, you must have a two-year degree from a community college and be a member of Phi Theta Kappa Honor Society. Students must present a copy of their Phi Theta Kappa membership card or certificate along with their application for this scholarship. The Phi Theta Kappa Scholarship is a \$1,000 per year award. If you are a member of Phi Theta Kappa and a member of the Phi Theta Kappa All Tennessee Academic Team, you are guaranteed to receive the University of Memphis Community College Transfer Scholarship in lieu of the Phi Theta Kappa Scholarship.

#### The Non-Resident Honors Student Award (NRHSA)

Is offered by the University Honors Program. Under authorization from the Tennessee Board of Regents, the University of Memphis Honors Program offers thirty Non-Resident Honors Student Awards on a competitive basis each year to students at the University of Memphis. The award enables non-resident students to attend the University of Memphis while paying tuition and fees equivalent to those of in-state residents. The award is based on the belief that students who are qualified for and motivated to participate in Honors deserve special consideration and that Honors students contribute to the academic environment of the entire university. The NRHSA requires application and acceptance into the University Honors Program. The Honors Program application is available at: http://honors.memphis.edu/.

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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://spectrum.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, 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 transcripts; however, a transcript will not be released if student has 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 office, room 003, Wilder Tower is open some evenings and weekends.

#### **Veterans Services**

Mission: The Office of Veterans Services, room 003 Wilder Tower, provides assistance for eligible National Guard/Reserves, veterans and/or dependents who enroll at the University of Memphis and who make application for: (1) Programs of Education or Training, (2) VA Tutorial Services. Other assistance includes: liaison with Veterans Administration Regional Office,

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counseling, and counseling referral for personal, family, career, financial, and educational problems.

Applications for VA Benefits: Those who will be using VA educational assistance while enrolled at the University of Memphis should contact the Office of Veterans Services. They should also be prepared to furnish the following items as applicable:

- 1. The number 4 original or copy of the DD214 or other armed forces separation papers.
- 2. Copy of Delayed Enlistment Contract.
- 3. Copies of marriage licenses and children's birth certificates.
- 4. Copy of final divorce decree if either veteran or spouse has been previously married.
- 5. VA file number if different from social security number.

Advance Pay: Advance payment is available for eligible veterans and dependents who plan to enroll on at least a half-time basis. Applications will be accepted in the Veterans Services Office as early as 120 days before the term begins but no later than 45 days before the beginning entry. Generally, the advance pay deadline for the fall semester is around July 15, while spring semester deadline is around November 15. Advance pay checks include an allowance for the month or fraction thereof in which the course begins and the allowance for the following month. Advance pay checks are mailed to the school for delivery to the student at registration. Initial applicants who do not apply for advance pay may expect their check to be mailed to their home within six to eight weeks after registration.

Enrollment Status: For VA benefits during the regular terms (Fall and Spring), 12 semester hours constitute a full-time load for undergraduate students; 9 hours is full-time for graduate students. However, training time for summer session at the undergraduate and graduate level is based on the number of semester hours attempted per term. The Veterans Administration places restrictions on those who receive veterans educational benefits. Some of these restrictions includes: (1) regular class attendance, (2) satisfactory academic progress, and (3) adherence to a specific degree plan.

Degree Plan: Only courses that are required for the degree and major may be certified for VA pay. VA will not pay for repeat courses if the grade already earned is accepted by the U of M and will fulfill graduation requirements toward the declared degree and major (even if the course was taken at another institution with or without use of the G.I. Bill). VA will not pay for elective courses in excess of those needed to meet graduation requirements.

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

Certification: Enrollment certifications are mailed and/or electronically submitted to the

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appropriate VA Regional Office upon receipt of the Veterans Request for Certification Form. Students are required to submit this form to the Veteran Services Office at the University of Memphis each semester. Students will be certified on a term-by-term basis. Pre-certification will be done only when a request for advance pay is made.

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Student Development

Lifelong Learning and Success!" Student Development offers co-curricular, educational programs and individualized services to help student be successful and health in all aspects of their lives. Students seeking to enroch their educational experience at the UofM, will find numerous opportunities within Student Development to acquire and enhance practical academic and life success skills. Some of the opportunities include wellness education and health care, personal counseling and stress management training, career exploration and development, internship and job placement, tutoring and academic skills development, accessibilityh services, leadership skills coaching, interpersonal effectiveness training, and information and referral services. The UofM knows that academic and career success are inextricably tied to the student's wellbeing and effectiveness in intellectual, personal, social, emotional, physical, spiritual, financial, and family arenas. Student Development works in conjunction with Academic Affairs and Student Life to offer a broad array of programs, services, and experiences to address the needs of the whole student.

#### Adult and Commuter Student Services

Adult and Commuter Student Services, 500 Wilder Tower, serves adult students who are beginning or returning to school after some time in the workplace or home, and traditional and non-traditional age commuter students.>

Located in the University Center, Adult and Commuter Student Services maintains the Adult Information Center, a resource area where services and special programming for this student population is posted regularly. Information on the Adult Scholarship program is also available.

The Adult Student Association, a student organization geared toward the social needs of the returning student is maintained through Adult and Commuter Student Services. This organization provides an informal way for students to receive support during their educational experience and to express concern about any particular issues that may arise. "Lifelong Learning with Friends" is the motto of the Adult Student Association, which serves as a network for the returning student.

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#### 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.

#### 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.

#### The Testing Center

The Testing Center, 112 John W. Brister Hall, provides testing services for University and professional school admissions purposes as well as for licensure and certification in a variety of professional areas. The center also offers a variety of personality and psychological tests.

#### **Educational Support Program**

The Educational Support Program (ESP), 217 Mitchell Hall, provides free tutorials through six 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), Foreign Language (Spanish and other languages), Engineering/Engineering Technology (all majors). Students must be enrolled in the course at U of M for which the tutorial is requested. Tutors are available for both individual and group study sessions. Workshops are regularly presented and can be scheduled for classes and organizations.

### Student Disability Services

Student Disability Services 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 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 permanent disability are encouraged to register with Student Disability Services 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 the Director of Student Disability Services.

#### Career And Employment Services

Career and Employment Services (C&ES) helps prepare students and alumni with proficient job search skills and assistance with locating employment upon graduation with business, education, government, industry, and non-profit organizations. Services provided include: on-campus interviews with employer representatives; job listings of employment opportunities on the web through MonsterTRAC and Memphis Chamber of Commerce as well as a resource library; and online job referral services allowing employers to view resumes of students utilizing "eRecruiting" software.

In addition, C&ES co-sponsors three Career Fairs annually. The fairs occur in the Fall and Spring semesters which include: a Corporate and Government Career Fair, the Graduate School Fair, co-sponsored with the U of M Graduate School and College of Arts and Sciences, and the Education Fair co-sponsored with The College of Education.

Individual counseling is available to students needing assistance with resumé writing, cover letters, and their job search. Class presentations are done throughout the fall and spring semesters on topics including: Resumé Writing, Successful Interviewing Skills, Dress for Success, Negotiation Job/Salary Offers, and Proper Dining 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. C&ES is open Monday and Tuesday 8:00 a.m. - 5:00 p.m., and Wednesday through Friday 8:00 a.m. - 4:30 p.m. Facilities are located in 400 Wilder Tower.

Off-campus part-time employment opportunities for currently enrolled students are also coordinated in C&ES and these openings can be viewed in 400 Wilder Tower. http://saweb.memphis.edu/ces/

#### Student Health Services

Location and Hours: Student Health Services is located on the main campus at 3770 DeSoto Avenue, south of McWherter Library. It is open Monday through Friday, 8:00 a.m.- 4:30 p.m. throughout the year. 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.

Eligibility for Care: Medical services are available only to students, faculty, and staff members. Each visit to Student Health Services requires that the individual present his/her validated identification card before treatment, except in cases of emergency.

Services: Student Health Services is staffed with a physician, a nurse practitioners, registered nurses, LPN, a 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 Memphis and Shelby County Public Health Department at Student Health Services every Wednesday, Thursday, and Friday. The Family Planning Clinic provides birth control information, devices, medications, and examinations (by appointment). First aid only is available for visitors to campus and for workman's compensation injuries.

Charges: Routine diagnosis and treatment of illnesses and injuries, X-rays, most laboratory analyses, and specialized clinics are free of charge for students. Faculty/Staff personnel are seen for nominal office and laboratory/X-ray charges. When more in-depth evaluation or treatment is needed the patient is referred off-campus, and the patient is responsible for all charges incurred for these services. The patient will be asked to pay Student Health Services directly prior to the performance of the specialized lab tests. Payment may be made by cash, check, MasterCard/Visa credit card or Tiger Fund\$ . Charges for Family Planning Clinic are on a sliding fee scale basis, and are separate from Health Services charges (i.e., cash or checks only).

Health Insurance: 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.

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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 Campus Recreation and Intramural Services, Minority Affairs, Residence Life and Dining Services, Student Judicial and Ethical Programs, Student Leadership and Involvement, and the University Center. The Office of Student Life also serves as liaison with the campus religious centers and as advisor to the Student Government Association. Information may be obtained from the Office of the Dean of Students, room 443, University Center.

Child Development Center 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. and Saturday 8:30 a.m. to 12:30 p.m. The summer semester operating hours are Monday through Thursday from 6:30 a.m. to 9:00 p.m. and Friday from 6:30 a.m. to 4:30 p.m. Hours of operation may vary due to 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).

Emerging Leaders This student development program consists of academic courses, structured activities, and experiences that are designed to develop and refine participants' leadership abilities. While all students are eligible to apply for participation in the program, participation is mandatory for students who have Emerging Leadership Scholarships.

Emerging Leaders are required to take leadership courses for credit, hold offices in diverse student organizations, serve as mentors for underclassman students, and remain active in volunteer service. Upon completion of the program, students receive official documentation on leadership transcripts, which confirm extensive involvement and instruction in the program.

General Fraternities and Sororities Thirteen international fraternities and eleven international sororities are active on the University of Memphis campus. The University strives to maintain a

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strong Greek community through coordination of Greek activities provided by the Office of Greek Affairs in areas of social service, scholarship, spiritual life, social development, and sense of leadership.

Fraternities: Alpha Phi Alpha, Alpha Tau Omega, Kappa Alpha Order, Kappa Alpha Psi, Kappa Sigma, 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.

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

Campus Recreation and Intramural Services (CRIS) The Campus Recreation and Intramural Services (CRIS) program is designed to fulfill a vital educational function and provide students, faculty, staff, and other members of the University community the opportunity to participate in a variety of activities for personal enjoyment and satisfaction.

CRIS supervises recreation at the Student Recreational and Fitness Center, which provides for the use of tennis courts, racquetball/handball courts, fields, gymnasiums, pools, fitness rooms, and other play areas; organizes intramural tournaments; coordinates a sports club program; and sponsors leisure course activities, clinics, and special events. The Student Recreation and Fitness Center provides excellent facilities for instructional, intramural, and sports and fitness programs. These programs, both individual and group, offer a wide variety of choices, and are offered at all levels of play. The student oriented CRIS staff gives personal attention to the needs of all individual participants.

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.

**Dining Services** The University has dining facilities, vending areas, and coffee bars open to all students.

Minority Affairs The Office of Minority Affairs advises minority students with regard to their academic, social, personal, and financial concerns, and helps students to adjust to living and functioning in an urban university setting. The office also assists minority organizations with program planning and management.

In addition to advising students, the office is the home to the Black Student Association, Black Scholars Unlimited, Hispanic Student Association, and the NAACP. The office is also responsible for coordinating events in conjunction with Black History Month and Hispanic Heritage Month.

Religious Affairs Several religious organizations 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 Student Union, Barth House (Episcopal), University Catholic Center, Christian Student Center (Church of Christ), Fellowship of Christian Athletes, Gospel Choir, Jewish Student Union, Muslim Student Association, RUF (Reformed University Fellowship), River's Edge (United Methodist), River's Edge (Presbyterian USA), and Tiger Christian Fellowship.

Residence Life Residence Life, located in room 011, Richardson Towers, is the administrative office for the University of Memphis residence halls. Residential communities provide an environment to enhance individual growth and development through the implementation of educational, cultural, social, and recreational programs that encourage interaction among residents, faculty, and staff. Building accommodations and rental charges for each residence hall can be found in the Expenses section of this Catalog.

Michael D. Rose Theatre and Lecture Hall The Michael D. Rose Theatre and Lecture Hall features a 938-seat theatre with sound and lighting as well as a large movie screen with surround sound. The main lobby can be used as a meeting, reception, display, or dining area. The entertainment lobby can be used for smaller group gatherings. Further amenities include a large concession area, student ticket office, and dressing room for entertainers.

Student Activities Council The 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 tastes. Concerts, fashion shows, coffee house entertainment, movies, speakers and cultural events are just a few of the many activities planned and facilitated by the Student Activities Council (SAC).

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.

Student Organizations Over 150 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.

Volunteerism and Service-Learning The Office of Student Activities 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,

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room 425, University Center.

University Center The University Center is the focal point for activities and events in the University community. Along with its many programs and activities, the center provides conveniences and services such as food service, catering, automatic banking, discount tickets for community events, gameroom, University post office and 3,800 mail boxes, rental lockers, television, lost and found, vending, public phones, ballroom, meeting rooms, electronic news and advertising display, rider-driver board, information desk and central scheduling for University Center, Alumni Mall and student plaza. The Center is an organization with programs designed to encourage students and other members of the University community to meet and share interests and talents in an action-learning setting.

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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

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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 cytotechology, dental hygiene, health information management, medical technology, occupational therapy, or physical therapy.

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 lota, 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

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

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

### **Special Awards**

### **Departmental Awards**

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The College of Education
The Herff College of Engineering
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Department Of Naval Science

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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 Appeal Procedures 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 http://bf.memphis.edu/ebursar/

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.

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**University ID Cards** Tiger Fund\$

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.

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 cancelled 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 (Enrollment) Fee Information

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.

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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, 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 Information 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 Fees" and "Commercial Music Fees" for related fee information.

Music Locker Rental: Music students are required to have a locker for storage of Universityowned 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 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.

University College Fees: In addition to the \$15 application fee, students who apply to the University College must pay a \$40 fee, which includes a \$15 non-refundable screening fee plus a \$25 contract/advising fee, refundable if the application is not accepted.

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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 Judicial Affairs, 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.

Students may obtain a replacement for a lost, stolen, or damaged University ID card from Ask TOM Answer Center in the Wilder Tower Lobby between the hours of 8:00 a.m. and 5:00 p.m., Monday through Thursday, and 8:00 a.m. - 4:00 p.m. Friday. Students will be charged a \$10 fee to replace a card that has been lost or stolen. A charge of \$2 will be made to change any data on an ID card.

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Tiger Fund\$

A personal TIGER FUND\$ account, which is accessed through the University ID card, is available to all students at the University of Memphis. TIGER FUND\$ 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 FUND\$ 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 FUND\$ 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 Class Attendance 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 at http://spectrum.memphis.edu. 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

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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".

#### 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 Assistant 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 Assistant 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

in which such courses are available.

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

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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.

Undergraduate Catalog :: Classification of Students :: University of Memphis

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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Maximum Credit Hour Load

#### Maximum Hours\*

Fall or Spring 20.5

23 Summer

Individual Session Maximums

First or Second Fall or Spring 10

Pre Summer or Three Week Session 7

9 First or Second Summer

**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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Academic Standards

#### **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	<b>Quality Points</b>
A+		4.00
Α		4.00
A-		3.84
B+		3.33
В		3.00
B-		2.67
C+		2.33
С		2.00
C-		1.67
D+		1.33
D		1.00
F		0.00
W (Wi	thdrew)	0.00

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I (Incomplete)	0.00
NR, None Reported	0.00
NC, Non Credit	0.00
*IP, In Progress	0.00
*S, Satisfactory	0.00
*U, Unsatisfactory	0.00
T (see below)	0.00
AD, 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, 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 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 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" or "IP" 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 at http://spectrum.memphis. edu. 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 at http://spectrum.memphis.edu

#### 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.

A student may not attempt the same course more than three times. Exceptions to this policy will be granted only on appeal to the Vice Provost for Undergraduate Programs.

The record will continue to reflect all grades earned in the same course.

#### **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 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 "AD" (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

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, guizzes, 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

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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 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 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

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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-semesterhour 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.

Graduation: A minimum 2.0 grade point average on all 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 done after returning to college. Preliminary information and application forms may be obtained from the Office Academic Status and Retention. 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.
- 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 Office of Academic Status and Retention Services.
- After the academic plan is reviewed, the Office of Academic Status and Retention Services will forward the plan to the appropriate college dean for approval.

Upon approval of 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."

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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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#### Academic Status and Retention

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.

If a student has never been on Academic Warning, Academic Probation or Academic Suspension...

If a student has been on Academic Warning, Academic Probation or Academic Suspension...

The student remains in Good Standing as long as the overall combined GPA is 2.00 or above AND the term GPA is not lower than 1.00.

The student is expected to maintain a minimum overall combined GPA of 2.00 AND a minimum term GPA of 2.00 in order to remain in good standing.

#### **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 guiz; and
- 2. Submit an Enrollment Agreement with the Office of Academic Status and Retention 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;
- Submit weekly academic progress reports to their counselor during the term; and
- Must follow all requirements of Academic Status and Retention Services including referral to campus services such as tutoring,

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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 Office of Academic Status and Retention 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:

- 1. For the first suspension, one regular term (fall or spring).
- 2. 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 Office of Academic Status and Retention Services. Failure to follow these requirements will lead to administrative withdrawal from all classes.

The Office of Academic Status and Retention, 200 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.

Transitional Academic Studies courses (DSP) are not considered in calculating eligibility for the Dean's List. College level courses used to satisfy high school deficiencies will be considered in the computations to determine eligibility for the Dean's List.

#### 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

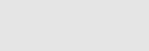
3.8000-4.0000 Summa Cum Laude

\*The actual conferral of Graduation with Distinction cannot be made until the student's final

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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

After enrollment as regular undergraduates at the University of Memphis, students should obtain prior approval from the dean of the college from which they are to graduate before taking a course at another institution for the purpose of meeting degree requirements at the University of Memphis. The student who intends to take a course at

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another institution should consult with the Admissions Office and obtain forms for use in securing the dean's approval. Courses taken without prior approval are subject to possible disapproval when they are presented for evaluation at the University of Memphis.

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 and must contact the college dean's office to request that the credit be posted.

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 service schools will be governed by recommendations at the baccalaureate level from the current Guide to the Evaluation of Educational Experience in the Armed Services. DD Form 295 must be presented to the Admissions Office for evaluation.

Veterans who have completed one year or more of continuous full-time active military service will receive a waiver of the required physical activity course, but will be required to take HPRO 2100 Wellness Concepts and Practice. Upon presentation of a copy of the veteran's report of separation (DD Form 214) to the Admissions Office, six semester hours of health and physical education credit will be awarded. Veterans with less than one year of continuous full-time



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service who have completed basic training while on active duty will be awarded credit as recommended in the Guide to the Evaluation of Educational Experiences in the Armed Forces.

#### 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 Program on Non-collegiate Sponsored Instruction of the American Council of Education and recommended in the current Guide to Educational Programs in Non-collegiate Organizations. 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. Credit by examination may not be used to satisfy the Computation Intensive, Writing Intensive, and Integration requirements of the General Education Program.

#### 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, 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 - Corrections/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.

#### Credit for Experiential Learning by Assessment

Students seeking degrees in the College of Communication and Fine Arts, the College of Education, 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.

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University General Education Program

Room 500, Wilder Tower

http://academics.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 19 or above, or (2) an SAT verbal score of 460 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)	College Algebra and Trigonometry (4) - Exponents, radicals, quatradatic 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.

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University General Education Program Requirements for Teacher Licensure Catalog Applicability Second Bachelor's Degree Second Major 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.

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.

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.

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.

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.

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. American History (6 hours)

HIST 2010 (2601) The United States to 1877 - United States from discovery to end of political reconstruction.

HIST 2020 (2602) The United States Since 1877

One of the following may be substituted for HIST 2010 OR HIST 2020:

ANTH 3282 Cultural History of American Communities

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

E. Social / Behavioral Sciences (6 hours)		
ANTH 1100	Biological Anthropology and Prehistory- Origins of humans and human 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 2110	Introduction to Macroeconomics - Nature and functions of the national economy in a global context.	
ECON 2120	Introduction to 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.	
POLS 1100	American Government - Development, structures, and processes of the American system of government.	
POLS 1301	Governments of the World - 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 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 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 1010/1011 (GEOG 1001/1011, 1010/1011)	Weather and Climate/Lab
ESCI 1020/1021 (GEOG 1002/1022, 1020/1021)	Landforms/Lab - The Earth and its atmosphere, including climate, oceans, landscapes, environmental hazards.
ESCI 1040 (GEOL 1101, 1040)	Physical Geology - Introduction to processes that form rocks.
ESCI 1103 (GEOL 1103)	Environmental Geology - Processes that operate within, on and impact the surface of the Earth.
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 courses taken at the University of Memphis.

#### 2. 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.

#### 3. 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.

#### 4. FILING FOR GRADUATION

All students are required to file an intention to graduate during the semester preceding the semester of graduation. The deadlines for this filing are included in the academic calendar in the online class listings. 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 1-8); Early Childhood Education (Grades PreK-4); or Special Education (Grades K-12); or Physical Education (Grades K-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.

A student in any of these programs must (1) file an application for admission to the Teacher Education Program in The College of Education; (2) fulfill the requirements and application procedures for the Internship/Student Teaching Program; (3) file an intent to graduate application before the University deadline; (4) have an overall GPA of no less than 2.50 and a grade of "C" or above in each required professional education course; (5) take the Core Battery and the Specialty area (if required) of the National Teacher Examinations (NTE); and (6) fulfill all other graduation requirements listed under the TEACHER EDUCATION PROGRAMS: REQUIREMENTS section.

Students entering the University for the first time as freshmen who wish to prepare for teaching careers in fields other than Elementary Education, Early Childhood Education, Special Education, or Physical Education should see the academic advisor in the College of Education, room 204, Ball Hall.

Graduate, special, and transfer students who wish to obtain a teacher's license should confer with the academic advisor in the College of Education, room 204, Ball Hall, 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 2008-Summer 2009, this Catalog is valid through Summer 2015.

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

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Requirements for Teacher Licensure Catalog Applicability Second Bachelor's Degree Second Major

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 2008-2009 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

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

**Business Economics** 

Finance

**International Business** 

Logistics/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 Technology
Electronics Engineering Technology
Manufacturing Engineering Technology

#### **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. Complete the American history as required by Tennessee State Law.
- 5. 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.

## Apply Now <



**University General Education Program** Requirements for Teacher Licensure Catalog Applicability Second Bachelor's Degree **Second Major** 

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Campus Directory	Minor
Calendar 2008 - 2009	The minors available for the 2008-2009 academic year are the following:
Degree Program and Planning	College of Arts and Sciences
Description of the	Aerospace Studies
University	African and African American Studies
Services to Students	Anthropology Asian Studies
Expenses	Biology
Academic Regulations	Chemistry Computer Science
Graduation from the	Criminology and Criminal Justice
University	English Control of the Control of th
Colleges and Degree	Environmental Studies
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Course Descriptions	Geological Sciences
Faculty and Staff	History Judaic Studies
Catalog Archive and	Legal Thought and Liberal Arts
University Links	Mathematical Sciences
Class Offerings	Military Science Naval Sciences
oldss offermigs	Nonprofit Management
	Philosophy
	Physics
Search the catalog:	Political Science
	Psychology
	Public Administration
	Social Work Sociology
	Women's Studies
	Fogelman College of Business and Economics
	Accounting
	Business Economics
	Finance
	International Business

Logistics/Supply Chain Management

Management

Management Information Systems

Marketing Management

Pre-Professional Business Administration

Real Estate

Risk Management and Insurance

Sales

### College of Communication and Fine Arts

Art

Art History

Communication

Dance

Journalism

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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Class Offerings

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The College of Arts and Sciences

HENRY A. KURTZ, Ph.D., Dean Room 107, Scates Hall (901)678-3067

http://cas.memphis.edu

#### **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,

## Apply Now <



Organization of the College **Academic Programs** College and Degree Requirements **Academic Advising** Residence Requirements **Pre-Professional Training Departmental Requirements for Majors and** 

## **List of Programs**

African and African American Studies **Anthropology Asian Studies Minor Biology** Chemistry **Computer Science Criminology and Criminal Justice** Geography **Earth Sciences Economics English** 

**Environmental Studies Minor** 

Foreign Languages

International Studies

History

dentistry, nursing, teaching, law and other professions; specific pre-professional programs, **Bornblum Judaic Studies** designed to prepare students to qualify for admission to professional schools, are available. Legal Thought and Liberal Arts Minor **Mathematical Sciences** Philosophy **Physics Political Science** Organization of the College **Psychology Public Administration Minor Academic Programs** Social Work Sociology **College and Degree Requirements** Women's and Gender Studies Minor **Aerospace Studies Minor Academic Advising** Military Science Minor **Naval Science Minor Residence Requirements Pre-Professional Training** Departmental Requirements for Majors and minors List of Programs African and African American Studies **Anthropology** Biology Chemistry Computer Science Criminology and Criminal Justice Geography **Earth Sciences Economics** English

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Class Offerings

Search the catalog:













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: (a) to develop a strong academic and research program that creates and disseminates new knowledge about Africans and people of African descent; (b) to foster interdisciplinary and/or comparative research and learning in terms of subject matter and methodology related to Africans and people of African descent; (c) to foster the utilization of materials, ideas, and works drawn from Africans and African American scholars, and authors; (d) to develop the critical and analytical tools of inquiry necessary for learning.

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 (18-19 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, and 4100; and one course selected from each concentration (9 hours).

2. Concentration (12 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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

a. Humanities: AAAS 4351; ENGL 3325, 3326, 4372, 4373, 4521; HIST 3273, 3274, 3281, 3282, 3881, 4022, 4050-69 (Special Topics related to African American experience), 4273, 4283, 4289, 4871, 4879, 4882; PHIL 3741.

b. Social and Behavioral Sciences: AAAS 4251; ANTH 3232, 3242, 3282, 4051, 4120, 4220, 4352, 4411, 4412; CJUS 3510; ESCI 4431; ECON 3411, 4740; POLS 3304, 3306, 4222, 4415, 4416; SLS 4145; SOCI 3311, 3401, 3420, 3422, 4420, 4442, 4460.

c. The Arts: ARTH 4111, 4112, 4113, 4181; COMM 3361, 4341, 4373, 4375; MUHL 4800, 4801, 4804, 4805, 4806, 4807.

#### 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:

Humanities: AAAS 4351; ENGL 3325, 3326, 4372, 4373, 4521; HIST 3273, 3274, 3281, 3282, 3881, 4022, 4050-69 (Special Topics related to African American experience), 4273, 4283, 4289, 4871, 4879, 4882; PHIL 3741.

b. Social and Behavioral Sciences: AAAS 4251; ANTH 3232, 3242, 3282, 4051, 4120, 4220, 4352, 4411, 4412; CJUS 3510; ESCI 4431; ECON 3411, 4740; POLS 3304, 3306, 4222, 4415, 4416; SLS 4145; SOCI 3311, 3401, 3420, 3422, 4420, 4442, 4460.

c. The Arts: ARTH 4111, 4112, 4113, 4181; COMM 3361, 4341, 4373, 4375; MUHL 4800, 4801, 4804, 4805, 4806, 4807.

## 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
Social/Behavioral Sci.*	3	Fine Arts/B.A.	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
AAAS 2100	3	Humanities*	3

#### 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)** 

Decision Sciences (ISDS)

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)

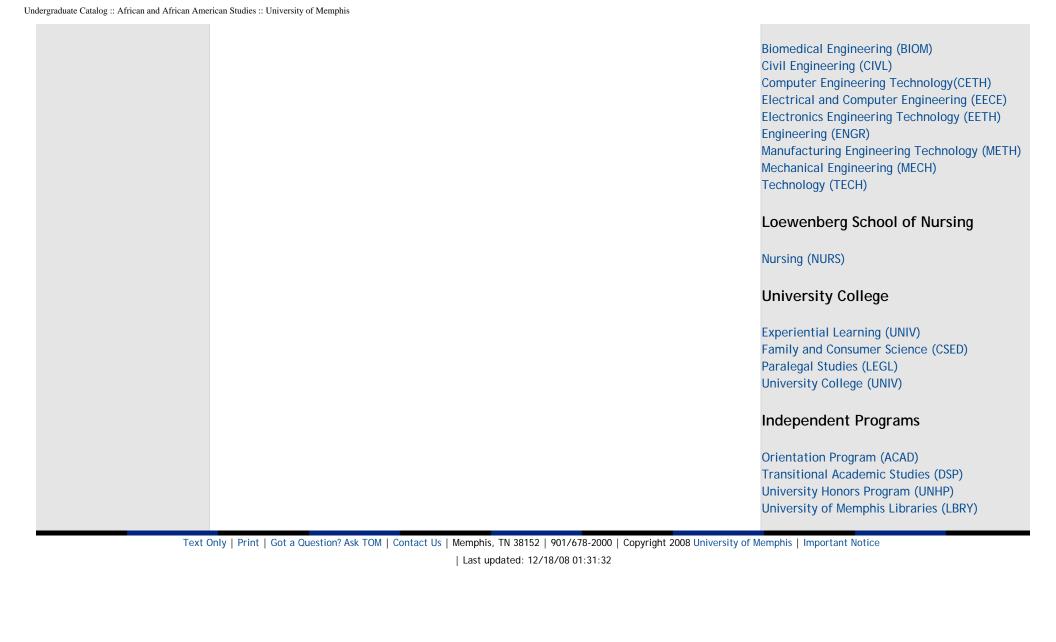
Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)

Semester Totals	15-16 h	rs		15-16 hrs		Music
Sophomore Year						Applied Music (MUAP)
ENGL 2201 or 2202	3	History*		3		Jazz and Studio Ensembles (MUAP)  Music Appreciation (MUS)
Social/Behavioral Sci.*	3	Social Sc	ience/B.A.	. 3		Music Education (MUSE)  Music History, Literature, and Appreciation
AAAS 3100	3	Humaniti	es*	3		(MUHL)
Natural Science*	4	Natural S	cience*	4		Music Industry (MUID)  Music Theory and Composition (MUTC)
AAAS Arts Core elective	3	UD elect	ive	3		Sacred Music (MUSA)
Semester Totals	16 hrs			16 hrs		College of Education
Junior Year						Counseling, Educational Psychology and Research
AAAS Humanities core e	lective	3 AA	AAS Soc/Be	ehav core elective	3	
Elective		3 AA	AAS conc.	elective	3	Counseling and Personnel Services (COUN) Educational Psychology and Research (EDPR)
History*		3 UI	) elective		3	Eddeditorial 1 Sychology and Research (ESFR)
COMM 2381		3 H	umanities/	B.A.	3	Health and Sport Sciences
AAAS conc. elective		3 UI	) elective		3	Dietetics (NUTR)
Semester Totals		15 hrs			15 hrs	Health and Human Performance (EXSS) Health and Sport Sciences(HMSE)
Senior Year						Health Promotion (HPRO) Physical Education Activities (PHED) Physical Education Teacher Education (PETE)
UD elective 3	AA	AS 4100	3			Sport and Leisure Commerce (SLC)
AAAS conc. elective 3	Ele	ective	3			Sport and Leisure Management (SLS)
Elective 3	AA	AS conc. e	lective 3			Instruction and Curriculum Leadership
Elective 3	Ele	ective	4			Early Childhood Education (ECED)
Elective 3						Educational Services (EDSV)
Semester Totals 15	hrs		1;	3 hrs		Elementary Education (ELED) Instruction and Curriculum Leadership (ICL)
Total Hours: 120-122						Instructional Design and Technology (IDT)
Total Hours Required for						Leadership (LEAD) Reading (RDNG) Special Education (SPED)
*Must satisfy University G	ieneral l	ducation	Program R	equirement		Herff College of Engineering
						3





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Department of Anthropology
Department of Anthropology
Course Descriptions

Academic Regulations Anthropology Major (B.A.)

Program objectives for a B.A. in Anthropology are: (a) for students to be well versed in archaeological, biological, and cultural anthropology; (b) for students to be successful in finding employment that utilizes the knowledge and training developed during their academic program.

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 (18-19 hours)

The College and Bachelor of Arts requirements are in addition to the University General Education Program requirements.

Search the catalog: C. The Major (30 hours)

Completion of 30 semester hours in anthropology courses including ANTH 1100, 1200, 3200, 4065; and 18 additional semester hours, at least 6 of which must be at the 4000 level.

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

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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

willtary science (AKWI)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

pectrum

anthropology student who desires a more intensive approach to and knowledge of the discipline, Women's Studies (WMST) 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 Departmental Honors Committee, (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

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*	3
Semester Totals	15-16 hrs		15-16 hrs

## Sophomore Year

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

### 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)

Decision Sciences (ISDS)

**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)

y of Memphis			
Semester Totals	16 hrs		16 hrs
Junior Year			
UD ANTH	3	ANTH 4065	3
COMM 2381	3	UD ANTH	3
Social Science/B.A.	. 3	UD elective	3
Elective	3	Fine Arts/B.A.	3
UD ANTH	3	Elective.	3
Semester Totals	15 hrs		15 hrs
Senior Year			
UD ANTH 3	. U	D ANTH 3	
Humanities/B.A. 3	. U	D ANTH 3	
Flective 3	ı U	Delective 3	

UD ANTH 3
Humanities/B.A. 3
UD ANTH 3
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

#### Music

Applied Music (MUAP)
Jazz and Studio Ensembles (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

Counseling, Educational Psychology and Research

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

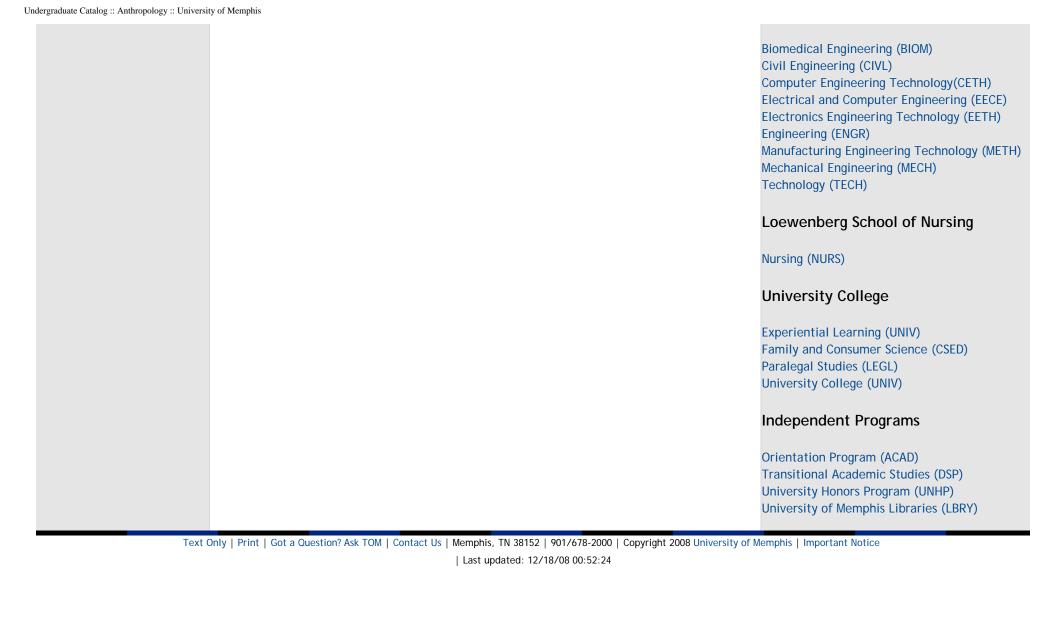
## **Health and Sport Sciences**

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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Campus Directory	Asian Studies Minor
Calendar 2008 - 2009	Asian Studies Minor
Degree Program and Planning	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, GEOG 4306, POLS 4307, 4312, or SOCI 4642.
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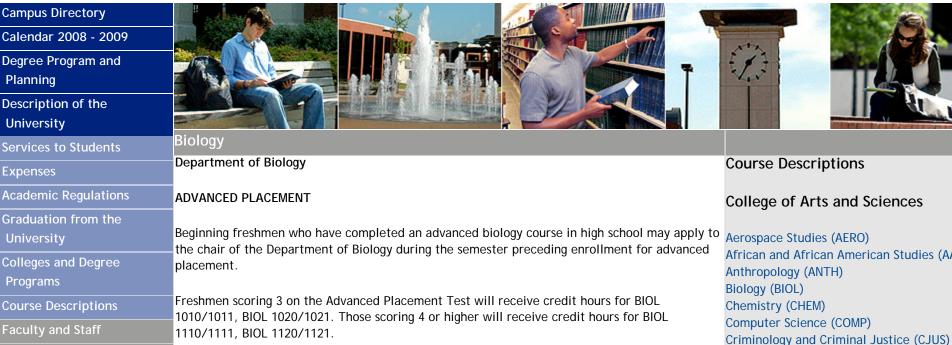
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Catalog Archive and Biology Major (B.S.) **University Links** 

> Students who earn a B.S. in Biology should attain the following objectives: (a) possession of a fundamental understanding of biology spanning from the subcellular to the ecosystem level; (b) the ability to compete successfully for admission to graduate and professional programs and for entry level employment that utilizes the knowledge and training acquired during their academic program; (c) development of skills in analysis, synthesis, and quantitative reasoning that are essential in hypothesis testing, critical thinking, interpretation of scientific data, and written and oral communication.



Class Offerings

Search the catalog:

## 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 B.S. degree.

B. College and Degree (B.S.) Requirements (15-16 hours)

The College and Bachelor of Science requirements are in addition to the University General

## College of Arts and Sciences

African and African American Studies (AAAS)

Earth Sciences (ESCI)

English (ENGL)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

Education Program requirements.

## C. The Major (48 hours in addition to University General Education Program and B.S. degree Foreign Languages and Literatures requirements)

Students must earn a grade of at least "C" in all biology 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 course.

Any required or elective course applied 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 may apply for and receive special permission from the department Undergraduate Studies Committee. Application information is available in the Biology Department office. A student may not repeat a course three times in order to receive a minimum grade of "C."

Completion of 36 hours in biology courses, 16 hours in chemistry courses, and 8 hours in physics courses as outlined: BIOL 1110/1111, BIOL 1120/1121, CHEM 1110/1111 (these courses are included in the University General Education Program and B.S. degree requirements), and BIOL 3072, 3073, 3130, 4100;18 additional upper division hours in biology courses approved by the department; CHEM 1120/1121, 3301/3311, 3302/3312; and PHYS 2010/2011, 2020/2021 or 2110/2111, 2120/2121. Three hours of MATH 4611 or PSYC 3001 or SOCI 3311 may be substituted **Economics** for three upper-division hours in biology courses.

#### 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.

#### 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

#### Women's Studies (WMST)

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

Accountancy (ACCT)

Business Administration (BA)

Decision Sciences (ISDS)

**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)

Sophomore Year										
BIOL 1120/1121	4	BIOL 3130	3							
CHEM 3311/3301	4	CHEM 3312/3302	4							
COMM 2381	3	ENGL 2201 or 2202	3							
Humanities*	3	Elective**	3							
History*	3	History*	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							
Social Science/B.	S. 3	Humanities*								
Semester Totals 14 hrs			14 hrs							
Senior Year										
Social/Behavioral	Sci.* 3	Social/Behavi	oral Sci.*	3						
UD BIOL	4	UD BIOL		4						
UD BIOL	3	B UD elective		3						
Humanities/B.S.	3	B Elective		3						
Elective	3	B Elective		3						
Semester Totals	1	16 hrs		16 hrs						
Total Hours: 120-1	21									
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

#### Music

Applied Music (MUAP)
Jazz and Studio Ensembles (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

Counseling, Educational Psychology and Research

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

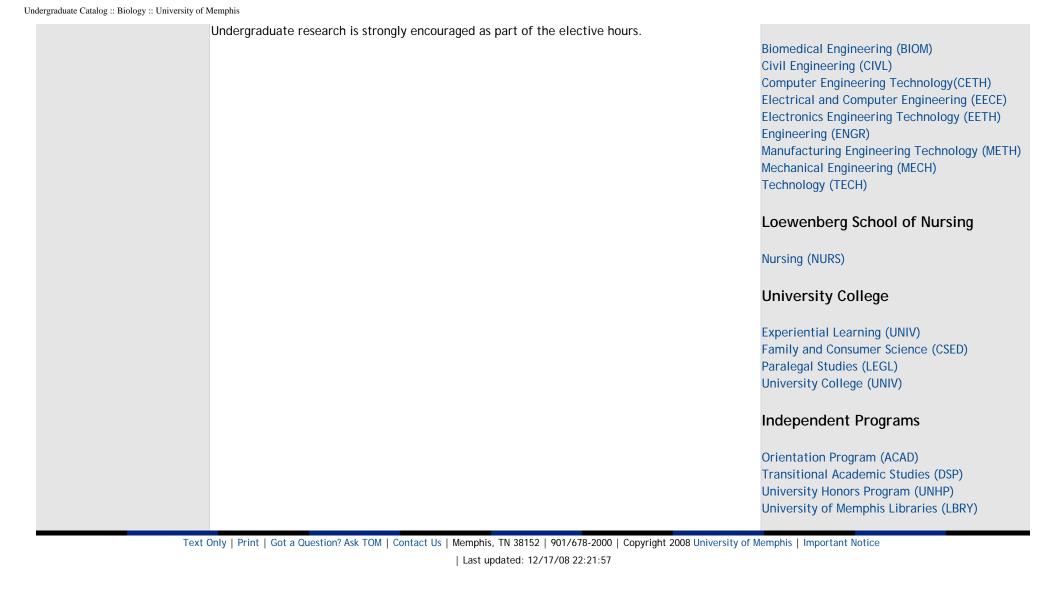
### **Health and Sport Sciences**

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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Leadership (LEAD)
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## Herff College of Engineering





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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 minimum ACT mathematics score of 24 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 civil, mechanical, or electrical engineering. CHEM 1100 is a one-semester course for students of limited preparation in mathematics or high school chemistry whose curriculum calls for the CHEM 1110/1111, 1120/1121 sequence. CHEM 1010/1011, 1020/1021 is a two-semester sequence for students interested in the science of chemistry, but is not credited toward a major in chemistry, biology or physics. It does fulfill the university science requirements of other majors. Credit may not be received for both CHEM 1100 and CHEM 1110 or CHEM 1010 simultaneously.

#### 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

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

enrolled in laboratory courses learn the necessary safety information to safely participate in the Women's Studies (WMST) 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, elementary physical, and inorganic 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 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 (15-16 hours)

The College and Bachelor of Science requirements are in addition to the University General Education Program requirements.

#### C. The Major (34-40 hours)

1. Core requirements (19 hours): CHEM 1110/1111, 1120/1121, (these courses are included in the University General Education Program requirements and must be successfully completed

### 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)

**Decision Sciences (ISDS)** 

**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)

prior to enrolling in the following), CHEM 3201/3211, 3301/3311, 3302/3312, 4604, PHYS 2110/2111 or 2120/2121 or 2010/2011, 2020/2021 (four hours of physics are included in the B.S. Music degree requirements.

2. Plus (15-25 hours):

Either

a. CHEM 3411 and six (6) upper division semester hours in chemistry to complete 32 hours in chemistry courses. 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

 Biochemistry concentration: MATH 1830 or 1910 (included in the University General Education Program requirements), MATH 4611, CHEM 4511/4501, 4512, BIOL 1110/1111, 1120/1121, and either 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 (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

Applied Music (MUAP)

Jazz and Studio Ensembles (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

### 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

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.

Mathematics (8 hours): MATH 1920, 2110.

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 2.0. Of the 120 semester hours required, not more than 42 semester hours in any one subject will be counted toward a degree. A minimum of 42 semester hours must be in courses from the upper division.

- C. The Major (41 hours)
- 1. Core requirements (32 hours):

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

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), 3201/3211, 3301/3311, 3302/3312, 3411, 4111, 4511, 4604, 4901/4902/4903; PHYS 2110/2111, 2120/2121, or 2010/2011, 2020/2021.

- 2. Plus (9-18 hours)
- a. CHEM 3402/3412, 4101 and three (3) upper division semester hours in chemistry to complete 41 hours in chemistry courses.

or

#### b. Biochemistry concentration

CHEM 4501, 4512, BIOL 1110/1111, 1120/1121, 3500 or 3130, one of the following three courses, CHEM 3402, 4101 or BIOL 3505.

#### 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 (these courses must be successfully completed prior to enrolling in the following), CHEM 3301/3311, 3302/3312, and four upper division semester hours.

#### Typical 4-Year Chemistry (B.S.) Sequence

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
CHEM 1110/1111	4	CHEM 1120/1121	4
Humanities*	3	MATH**	4
Elective	3	Foreign Language/B.S.	3
Foreign Language/B.S.	3		
Semester Totals	16 hrs		14 hrs

#### Sophomore Year

COMM 238	1	3	Socia	I Science/B.S	<b>5.</b>	3		
ENGL 2201 or 2202 3		CHEM 3312/3302			4			
CHEM 3311	1/3301	4	PHYS	selection***		4		
PHYS selec	ction***	4	Huma	ınities*		3		
MATH (see	Math list)	4	MATH	I (see Math Ii:	st)	4		
Semester <sup>-</sup>	Γotals	18 hrs				18 hrs		
Junior Yea	r							
CHEM 3211	1 2	UD	CHEM			3		
CHEM 3201	2	Hu	Humanities/B.S.			3		
UD CHEM	3	UD	UD elective			3		
History*	3	Soc	ial/Be	navioral Scier	nce*	3		
UD electiv	e 3	His	tory*			3		
Semester <sup>-</sup>	Totals 13	hrs				15 hrs		
Senior Year	r							
UD CHEM			3	CHEM4604	3			
UD electiv	е		3	Elective	3			
Social/Beh	avioral Sci	ence*	3	UD elective	3			
UD electiv	е		3	Elective	3			
UD electiv	е		2					
Semester <sup>-</sup>	Γotals		14 hrs		12	hrs		
Total Hours	: 120							
Total Hours	Total Hours Required for Graduation: 120							
*Must satisf	y Universit	y Gene	ral Edu	cation Progra	ım F	Requirement		
**MATH 183	0 (Biochen	nistry co	oncenti	ation only, o	r M	ATH 1910		
***Choose: I	PHYS 2010,	/2011 a	nd 2020	0/2021 or 211	10/2	2111 and 2120/2121		

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

Fres	hman	Year	
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ENGL 1010	3	ENGL 1020	3
CHEM 1110/1111	4	CHEM 1120/1121	4
Humanities*	3	MATH 1910	4
Elective	3	Foreign Language/B.S.	3

Foreign Language/B.S. 3

Semester Totals 16 hrs 14 hrs

## Sophomore Year

COMM 2381	3	Social Science/B.S.	3
ENGL 2201 or 2202	3	CHEM 3312/3302	4
CHEM 3311/3301	4	PHYS 2120/2121	4
MATH 1920	4	Humanities*	3
PHYS 2110 or 2111	4	MATH 2110	4
Semester Totals	18 hrs		18 hrs

## Junior Year

CHEM 3211/3201	4	CHEM 3412	3
CHEM 3411	3	CHEM 3402	2
Social/Behavioral Science*	3	CHEM 4604	3
History*	3	Social/Behavioral Science*	3
		History*	3
		CHEM 4901	1
Semester Totals	13 hrs		15 hrs

## Senior Year

CHEM 4111/4101 4 UD CHEM 3
CHEM 4902 1 Elective 2

Undergraduate Catalog :: Chemistry :: University of Memphis

UD elective 3 Elective 3 UD elective 3 CHEM 4511 3 CHEM 4903 1

Semester Totals 14 hrs 12 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

\*Must satisfy University General Education Program Requirement

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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.

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 2120 is strongly recommended for the Social Science requirement.

B. College and Degree (B.S.) Requirements (15-16 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)

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

Completion of MATH 1910, 1920 (these courses are included in the University General Education Program and college B.S. degree requirements), 2701, 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, 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

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.

## G. Second Major in Computer Science for Majors in Biology, Chemistry, Mathematical Sciences, Physics, and Psychology (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.

Graduates with a B.S. in Computer Science will have acquired the following:

- 1. Training in theoretical concepts and mathematical fundamental essential for establishing a strong foundation for a life-long career in computer science.
- 2. Demonstrated knowledge of and proficiency in effective use of Software Engineering methods, including the ability to work on team projects.
- 3. A good understanding of the fundamentals of the organization, operation, and use of computers.
- 4. Proficiency in modern programming languages and familiarity with major program paradigms.

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)** 

**Decision Sciences (ISDS)** 

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)

- 5. Good analytical, communication, and problem solving skills necessary for professional employment as well as graduate studies.
- 6. Familiarity with professional codes of ethics.
- 7. Opportunities to participate in extracurricular and research activities related to computer science.

#### Typical 4-Year Computer Science Sequence

#### Freshman Year

COMP 1900	4	COMP 2150	3
MATH 1910	4	MATH 1920	4
ENGL 1010	3	MATH 2701	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	Social Science/B.S.	3

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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

ersity of Mempins			
ENGL 2201 or 220	02 3	Elective	2
Semester Totals	16 h	rs	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.

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

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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) to possess a fundamental understanding of the criminology and criminal justice discipline; (b) to develop skills in analysis, synthesis, and quantitative reasoning essential to hypothesis testing, critical thinking, interpretation of data, and written and oral communication; (c) to be successful in finding employment that utilizes the knowledge and training developed in the program.

A. University General Education Program (41 hours)

See Graduation from the University for the University General Education Program requirements. History (HIST)

B. College and Degree (B.A.) Requirements (18-19 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, 2101, 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 that 6 hours Public and Nonprofit Administration (PADM) of credit toward the degree in non-classroom courses such as internships and individual directed Psychology (PSYC) studies.

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)

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Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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, 2101, 3540, and 9 additional upper-division hours in Criminology and Criminal Justice courses.

#### Typical 4-Year Criminology and Criminal Justice Sequence

#### Freshman Year

CJUS 1100	3	Nat. Sci./Math/B.A.	3-4
ENGL 1010	3	ENGL 1020	3
MATH*	3	CJUS 2101	3
Foreign Language/B.A.	3	Foreign Language/B.A.	3
Elective	3	Social/Behavioral Science*	3
Semester Totals	15hrs		15-16 hrs

#### Sophomore Year

ENGL 2201 or 2202 3 Social/Behavioral Science\* 3

#### Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

Greek (GREK)

Hebrew (HEBR)

Italian (ITAL)

Innanasa (IADA

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)** 

**Decision Sciences (ISDS)** 

Economics (ECON)

Finance, (FIR)

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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)

18	ii Justice :: University of Mem	ipms						
	CJUS Elective	3	Ele	ective		3		
	Humanities*	3	Na	atural S	cience*	4		
	Natural Science*	4	Нι	umaniti	es*	3		
	History*	3	C.J	IUS 313	0	3		
	, , ,							
	Semester Totals	16 hrs	s Se	emester	lotals	16 h	ırs	
	Junior Year							
	History*	3		UD Hu	ımanities/B.A.		3	
	Social Science/B.A	A. 3		CJUS	UD elective		3	
	CJUS 3540	3		UD el	ective outside ma	ajor	3	
	CJUS UD elective	3		Fine F	Arts/B.A.		3	
	COMM 2381	3		UD Ele	ective		3	
	Semester Totals	15	hrs				15	hrs
	Senior Year							
	UD CJUS elective			3	UD CJUS elective	е		3
	UD CJUS elective			3	UD CJUS elective	е		3
	Elective			3	CJUS 4110			3
	UD electiveoutside	e majo	r	3	Elective outside	majo	or	4
	UD elective outsic	le maj	or	3				
	Semester Totals			15 hrs				13 hrs
	Total Hours: 120							
	Total Hours Require	ed for	Gra	aduatio	n: 120			
	*Must satisfy Unive	rsity G	iene	eral Edu	ıcation Program F	Reaui	irei	ment
		, 0		230		- 77	. •	· <b>-</b>

#### Music

Applied Music (MUAP)
Jazz and Studio Ensembles (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

Counseling, Educational Psychology and Research

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

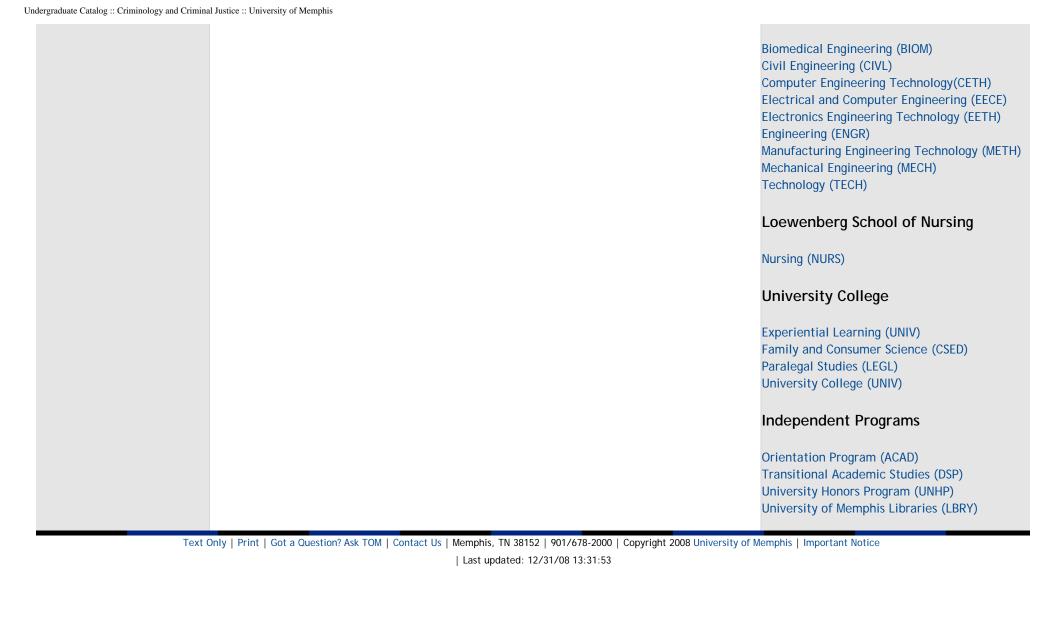
## **Health and Sport Sciences**

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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Earth Sciences

Earth Sciences Major (B.S.)

Program objectives for a B.S. in Earth Sciences are: (a) to attain knowledge of earth science concepts and their applications; (b) to be capable of solving earth science problems involving observations and measurements; (c) to be well prepared for entry level employment or for entering a graduate program in fields related to Earth Science.

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 B.S. degree.

B. College and Degree Requirements (15-16 hours)

The College and Bachelor of Science requirements are in addition to the University General Education Program requirements.

C. The Major (40-52)\* hours in addition to University General Education Program and B.S. degree requirements

\*The Geophysics concentration requires an additional 11 hours of MATH.

1. Core Requirements (28 hours): Completion of ESCI 1020 (4) or 1040\*\*, 1010 (4) or 1050\*\*, MATH 1920\* or COMP 1800, BIOL 1020/1021 or CHEM 1120/1121 or PHYS 2020/2021 (4 hours of these courses are included in the B.S. degree requirements); ESCI 2001 or 3311\*\*, ESCI 4202 or 4252; two courses from ESCI 3211\*\*, 4502, 4515, and 4521.

- \* Required for Geophysics concentration; \*\* Required for Geology concentration.
- 2. Concentrations:

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

- a. Geoarchaeology (12 hours): ESCI 4301, 4325, 4352, and additional upper division hours approved by the advisor to total 42 semester hours in Earth Sciences.
- b. Geography (15 hours): ESCI 3430, 4201, 4304, 4541, 4801, and additional upper division hours approved by the advisor to total 42 semester hours in Earth Sciences.
- c. Geology (18 hours): ESCI 3512, 3712, 4622, and additional upper division hours as approved by French (FREN) the advisor to a total of 42 semester hours in Earth Sciences; CHEM 1120/1121, PHYS 2020/2021 (4 hours of these two courses are included in teh Core Requirements above).
- d. Geophysics (24 hours): ESCI 4101, 4201, 4401, and additional upper division hours approved by the advisor to total 42 semester hours in Earth Sciences; MATH 1920, 2110, 3120.

#### D. Electives

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

#### **Earth Sciences Minor**

A minimum of 18 semester hours in geology courses, including ESCI 1050 or ESCI 1103. Six of these hours must be selected from upper division courses.

### Typical 4-Year Geology Concentration Sequence

#### Freshman Year

Elective	3	ESCI 1050	4
ESCI 1040	4	MATH 1910	4
ENGL 1010	3	ENGL 1020	3
Elective	3	Foreign Language/B.S.	3
Foreign Language/B.S.	3		
Semester Totals	16 hrs		14 hrs

#### Sophomore Year

CHEM 1110/1111	4	CHEM 1120/1121	4
ESCI 3311	4	ESCI 3211	3
COMM 2381	3	ENGL 2201 or 2202	3

#### Women's Studies (WMST)

### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

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)

Decision Sciences (ISDS)

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)

Humanities*	3	Social/Behavioral Sciences*	3
Elective	2	Humanities*	3
Semester Totals	16 hrs		16 hrs
Junior Year			
History*	3	History*	3
PHYS 2010**	4	PHYS 2020**	4
ESCI 3712	4	ESCI 3512	4
Humanities/B.S.	3	Social/Behavioral Sciences*	3
Semester Totals	14 hrs		14 hrs

#### Summer

ESCI 4622 6 hrs

#### Senior Year

UD ESCI	3	Social Science/B.S.	3
ESCI 4202	3	UD ESCI	3
MATH 1920 or COMP 1800	3-4	Elective	3
ESCI 4515	3	UD elective	3
Semester Totals	12-13 hrs		12 hrs

Total Hours: 120

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

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

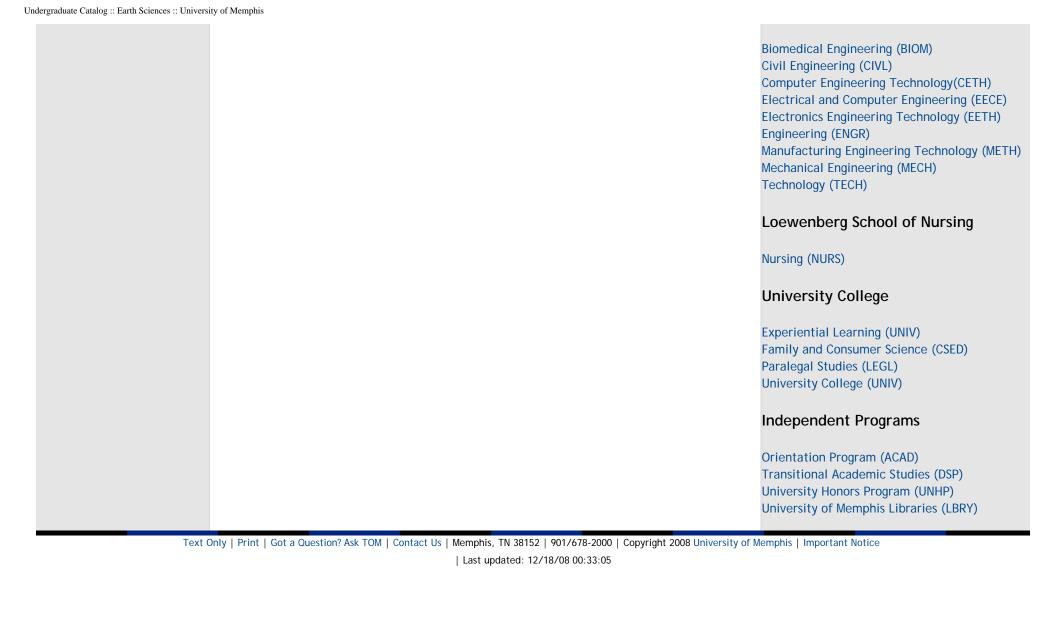
Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)





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Services to Students	Economics	
Expenses	Department of Economics	Course Descriptions
Academic Regulations	The Department of Economics is located in the Fogelman College of Business and Economics.	College of Arts and Sciences
Graduation from the University	Economics Major (B.A.)	Aerospace Studies (AERO)
Colleges and Degree Programs	Program objectives can be found in the Business Economics major in the Fogelman College of Business and Economics section.	African and African American Studies (AAAS) Anthropology (ANTH) Biology (BIOL)
Course Descriptions Faculty and Staff	A. University General Education Program (41 hours)	Chemistry (CHEM) Computer Science (COMP) Criminology and Criminal Justice (CJUS)
Catalog Archive and University Links	See Graduation from the University for the University General Education Program requirements.	Earth Sciences (ESCI) English (ENGL)
Class Offerings	B. College and Degree (B.A.) Requirements (18-19 hours)	Health Administration (HADM) History (HIST)
Search the catalog:	The College and Bachelor of Arts requirements are in addition to the University General Education Program requirements.	Interdisciplinary Studies (INTD) International Studies (INTL) Judaic Studies (JDST)
Ů	C. The Major (30 hours)	Mathematics (MATH) Military Science (ARMY)
N coochum	Completion of 30 semester hours, including ECON 2110, 2120, 3310, 3320, and 18 additional upper division semester hours in economics courses as approved by the department advisor.	Naval Science (NAVY) Philosophy (PHIL) Physics (PHYS)
y spectrum	D. Electives	Political Science (POLS) Open Learning Fire Services Program (PADM)
	Electives may be chosen to bring the total number of hours to 120.	Public and Nonprofit Administration (PADM) Psychology (PSYC)
	E. Honors Program	Social Work (SWRK) Sociology (SOCI) Statistics (MATH)

All students who receive a minimum grade of "B" in ECON 2110 or 2120 honors sections are eligible for the honors program. Entry to the program can also be obtained through the recommendation of a member of the faculty to the Economics Departmental Honors Committee. A student must maintain an average grade of at least 3.25 in economics to continue in the program and must have a minimum average grade of 3.5 in economics to graduate with honors in economics.

Honor students take special courses during the junior and senior years, particularly the honors sections of ECON 3310 and 3320, and write a senior research paper. 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 Economics." Moreover the student's diploma and the record at the University of Memphis will reflect this accomplishment. Details of the program are available in the Economics Department office.

### Typical 4-Year Economics Sequence

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH*	3-4	Nat. Sci./Math/B.A.	3-4
Humanities*	3	Humanities*	3
Elective	3	Social Science/B.A.	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	History*	3
Natural Science*	4	Elective	3
Fine Arts/B.A.	3	Natural Science*	4
ECON 2110	3	ECON 2120	3
History*	3	COMM 2381	3
Semester Totals	16 hrs		16 hrs

#### Junior Year

#### 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)** 

Decision Sciences (ISDS)

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)

Humanities/B.A.	3	UD elective	3
UD elective	3	UD elective	3
UD elective	3	Elective	3
UD elective	3	ECON 3320	3
ECON 3310	3	UD ECON	3
Semester Totals	15 hrs		15 hrs

#### Senior Year

Elective	3	UD ECON	3
UD ECON	3	UD ECON	3
UD ECON	3	UD ECON	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

#### Music

Applied Music (MUAP)
Jazz and Studio Ensembles (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

Counseling, Educational Psychology and Research

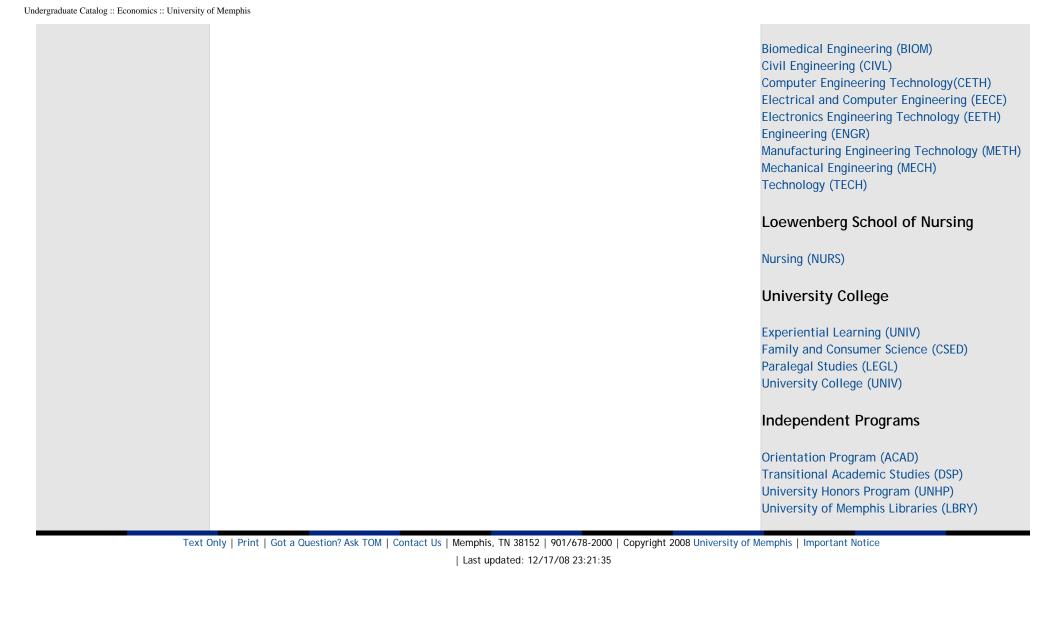
Counseling and Personnel Services (COUN)
Educational Psychology and Research (EDPR)

## **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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Special Education (SPED)





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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) 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 (18-19 hours)

The College and Bachelor of Arts requirements are in addition to the University General Education Program requirements.

C. The Major (36 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, 4605. Students in the Creative Writing Concentration must take either ENGL 4604 or 4605. Students in the Professional Writing Concentration must take either ENGL 3604 or 4602. (See Note 2.)

2. Concentration (12 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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

- a. African American Literature: 12 semester hours including ENGL 3325, 3326, 4372, and 4373.
- b. Creative Writing Concentration: 12 semester hours including ENGL 3606 and 3607; 6 hours in ENGL 4601, or 6 hours in ENGL 4603.
- c. English As A Second Language Concentration: Choose 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 Concentration: Choose 12 hours from ENGL 3501, 3511, 3521, 4501-4521, 4540-4550.
- e. Literature Concentration: Choose 6 hours from ENGL 3100-3119 (only in literature) 3211-3215, 3221-3224, 3325-3328, 3701, and 6 hours from 4001 (only in literature), 4230-4472, 4711. No more than 3 hours of ENGL 3325, 3326, 4372, and 4373 may be applied to the Literature concentration.
- f. Professional Writing Concentration: Choose 12 hours including ENGL 3601, 3602, one course from 4618 or 4619, and one course from 4101-09 (only in professional writing), 4602, 4606-4615, 4616, 4618, 4619, 4630.
- 3. Electives: 3 hours of upper division ENGL courses.

Note the following:

- (1) Students should see the English advisor who will explain the advantages of the various concentrations and assist students in developing an appropriate program of studies.
- (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 3100-09, ENGL 4101-09, 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 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

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

Greek (GREK)

Hebrew (HEBR)

Italian (ITAL)

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Portuguese (PORT)

Russian (RUSS)

Spanish (SPAN)

## Fogelman College of Business and Economics

Accountancy (ACCT)

Business Administration (BA)

**Decision Sciences (ISDS)** 

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)

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

#### 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 English Department office.

### **English Minor**

Completion of 12 upper division hours in English (excluding ENGL 3500 and 3603).

## 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	Humanities*	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	ENGL 3210	3
History*	3	History*	3
Elective	3	Elective	3
Natural Science*	4	Natural Science*	4
COMM 2381	3	Fine Arts/B.A.	3

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

Semester Totals	16 hrs		16 I	nrs			
Junior Year							
ENGL 3220		3	ENGL 3327		3		
ENGL conc. elective		3	ENGL conc. el	ective	3		
Social/Behavioral Sci	ience*	3	Social/Behavi	oral Science*	3		
UD elective		3	UD elective		3		
Elective		3	Elective		3		
Semester Totals		15 hrs			15 hrs		
Senior Year							
ENGL core elective	3	ENGL	elective	3			
ENGL conc. elective	3	ENGL	conc. elective	3			
Social Science/B.A.	3	Huma	nities/B.A.	3			
UD elective	3	Electi	ve	4			
UD elective	3						
Semester Totals	15 hrs			13 hrs			
Total Hours: 120-122							
Total Hours Required for Graduation: 120							
*Must satisfy Universit	y Gene	eral Edu	cation Progran	n Requiremen	t		

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

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### **Enviromental 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 (INTD 2100--Introduction to Environmental Studies) is required of all students.

The Minor: The student must pass INTD 2100 with a minimum grade of "C" and complete 5 additional environmentally related courses (15-20 semester hours) from the two groups of courses listed below as approved by the university's Environmental Research, Issues, and Programs Committee (ERIPC). At least 2 courses must be selected from each group and 5 courses from 4 different departments.

**GROUP 1:** Environmental Sciences Emphasis: BIOL 3050, 3051, 4050, 4053, 4054, 4055, 4056, 4057, 4060, 4450, 4640, 4644, 4651, 4740, 4744, 4745, 4900, CHEM 4001, CIVL 4143, 4144, ESCI 3221, 4214, 4231, 4251, 4515, PHYS 4420, INTD 4100-4110.

**GROUP 2**: Behavioral-Humanistic Emphasis: ANTH 4111, 4220, ECON 3580, ESCI 4201, 4431, HIST 4861, PHIL 3511, 3512, POLS 4200, SOCI 4641, INTD 4120-4130.

NOTE: Some of these courses may have prerequisites. In addition, Special Topics courses may be counted for credit in the interdisciplinary Environmental Studies minor, with the approval of the associate dean for Interdisciplinary Studies. The course may be offered with a regular department, or as either INTD 4100-4110 or INTD 4120-4130. Students taking ERIPC-approved courses that do not appear in the catalog will be given a letter to present to their graduation analyst indicating that those courses have been approved. Information pertaining to the minor and other environmental initiatives may be obtained in the Interdisciplinary Studies Program office in 107 Scates Hall.

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

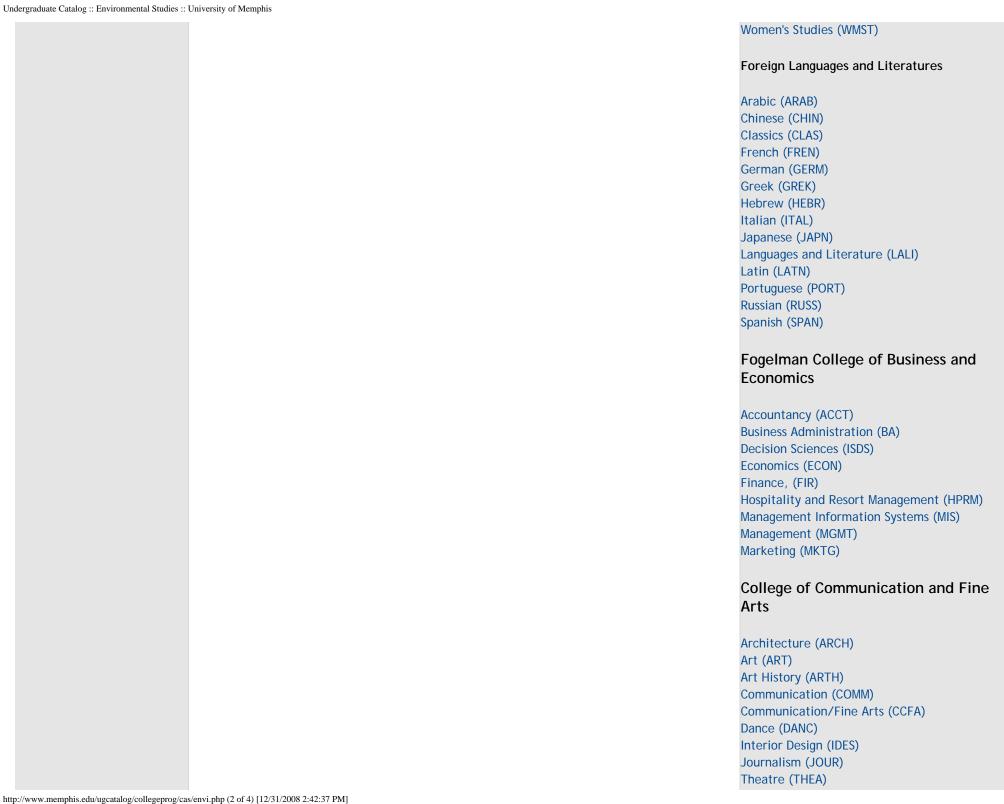
Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

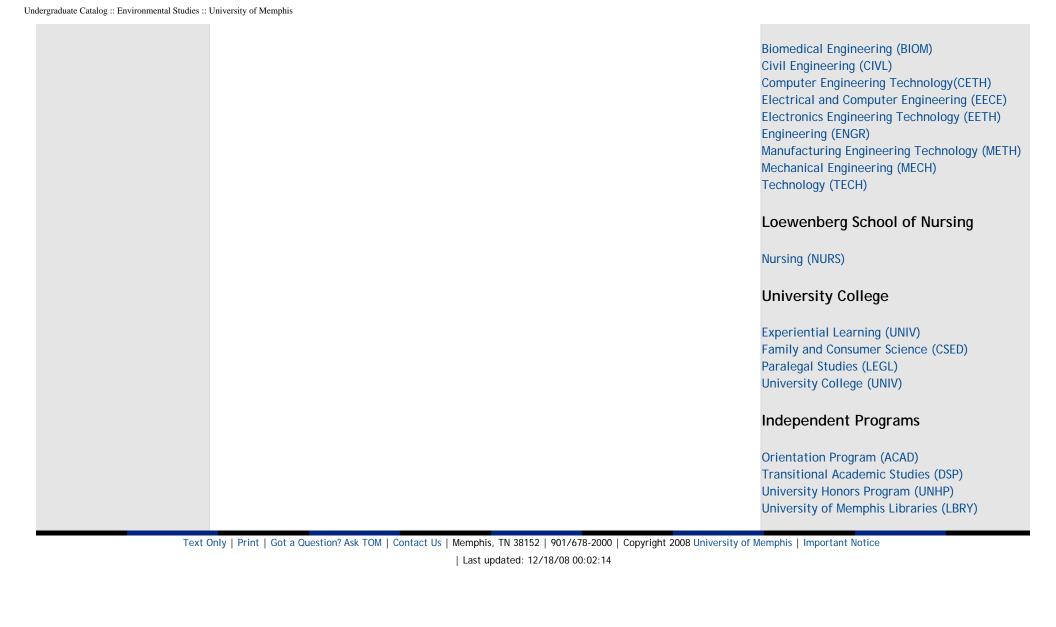
Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)









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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) to develop functional control of the four fundamental language skills: listening, speaking, reading, and writing; (b) to expand and deepen knowledge of ancient and foreign cultures, civilizations, languages and literatures; (c) to increase awareness of the applications of various second languages to career objectives.

A. University General Education Program (41 hours)

See Graduation from the University for the University General Education Program requirements. Earth Sciences (ESCI)

B. College and Degree (B.A.) Requirements (18-19 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 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 French, German, Greek, Italian, Japanese, Latin, Statistics (MATH)

**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)

English (ENGL)

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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)

Social Work (SWRK)

Sociology (SOCI)

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.

#### 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 Economics 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 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

#### 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

Accountancy (ACCT)

**Business Administration (BA)** 

**Decision Sciences (ISDS)** 

**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)

<sup>\*</sup> Students with a single-language concentration in Spanish must take SPAN 4410 and 4510.

COMM 2381	3	Elective		3
Elective	3	Elective		3
Natural Science*	4	Natural Sc	ience*	4
ENGL 2201 or 220	)2 3	FREN 3302	<u>.</u>	3
FREN 3301	3	UD FREN		3
Semester Totals	16 h	ırs		16 hrs
Junior Year				
Lliotom/*	า	Lliotom/*		2
•	3	History*		3
	3	Fine Arts/B.	١.	3
	3	UD FREN Social Science	o /D A	3
	3	Elective	е/в.а.	3
		Elective		
Semester Totals	15 hrs			15 hrs
Senior Year				
Humanities/B.A.	3	UD FREN	3	
UD FREN	3	UD FREN	3	
UD elective	3	UD elective	3	
UD elective	3	Elective	4	
UD elective	3			
Semester Totals	15 hrs		13 hrs	
Total Hours: 120-1	22			
Total Hours Requir	ed for	Graduation: 1	20	
*Must satisfy Unive	ersity G	eneral Educat	ion Pro	gram Requirement
Typical 4-Year Sp	anish C	Concentration	Seque	nce
Freshman Year				

#### Music

Applied Music (MUAP)
Jazz and Studio Ensembles (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

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)

Ош	versity of Mempins						
	ENGL 1010			3	ENGL	1020	3
	MATH*			3-4	Nat. S	ci./Math/B.A.	3-4
	Social/Behaviora	I Scienc	e*	3	Social	/Behavioral Science*	3
	SPAN 2010			3	SPAN 2	2020	3
	Elective			3	Humar	nities	3
	Semester Totals			15-16 hrs			15-16 hrs
	Sophomore Year						
	COMM 2381	3		UD electiv	е	3	
	Humanities*	3		Fine Arts/	B.A.	3	
	Natural Science*	4		Natural Sc	ience*	4	
	SPAN 3301	3		SPAN 3303		3	
	ENGL 2201 or 220	)2 3		UD SPAN		3	
	Semester Totals	16 h	ırs			16 hrs	
	Junior Year						
	History*	3	Hi	story*		3	
	UD SPAN	3	Εle	ective		3	
	Elective.	3	Εle	ective		3	
	Elective	3	So	cial Scienc	e/B.A.	3	
	UD elective	3	UE	) SPAN		3	
	Semester Totals	15 hrs				15 hrs	
	Senior Year						
	Humanities/B.A.	3	SF	PAN 4510	3		
	SPAN 4410	3	U	D elective	3		
	UD SPAN	3	U	D elective	3		
	UD elective	3	El	ective	4		
	Elective	3					

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY)

Undergraduate Catalog :: Foreign Languages :: Uni	versity of Memphis	
	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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Geography

**GEOGRAPHY** 

Department of Earth Sciences

Geography Major (B.A.)

Program objectives are: (a) to acquire knowledge of geographical concepts and their applications; (b) to solve geographical problems; (c) to obtain preparation for entry level employment in the field or advanced study.

A. University General Education Program (41 hours)

See Graduation from the University for the University General Education Program requirements. English (ENGL)

B. College and Degree (B.A.) Requirements (18-19 hours)

The College and Bachelor of Arts requirements are in addition to the University General Education Program requirements.

C. The Major (35 hours)

- 1. Core Requirements (20 hours):
- a. Environmental and Earth Science: ESCI 1010 (4), 1020 (4) (8)
- b. Human: ESCI 1401 or 3430 (3)
- c. Regional: ESCI 1301 or any 43\_numbered course (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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

- d. Geographic Techniques: ESCI 4502 (3)
- e. ESCI 4801(3)
- 2. Concentration (15-16 hours):
- a. Geography: Choose 15 semester hours of geography with a minimum of 12 upper division hours.
- b. Environmental and Earth Science: 15 semester hours, with a minimum of 12 hours selected from ESCI 3221, 4120, 4122, 4201, 4214, 4231, 4241, 4251.
- Geographic Techniques: 15 semester hours, with a minimum of 12 hours selected from ESCI 4511 (4), 4515, 4521, 4525, 4531.
- d. Urban Planning: (1) Required core (9 semester hours): ESCI 3451, 4431, 4551; (2) Guided electives (6 semester hours): two of the following: ESCI 3430, 4201, 4231, 4443, 4531, 4700.

#### D. Electives

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

### Typical 4-Year Geography (B.A.) Sequence

#### Freshman Year

Humanities*	3	Nat. Sci./Math/B.A	3-4
MATH*	3-4	Fine Arts/B.A.	3
ENGL 1010	3	ENGL 1020	3
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 1301	3	ESCI 1020	4
ENGL 2201 or 2202	3	COMM 2381	3
ESCI 1010	4	UD elective	3
Humanities*	3	History*	3

#### 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)

Decision Sciences (ISDS)

**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)

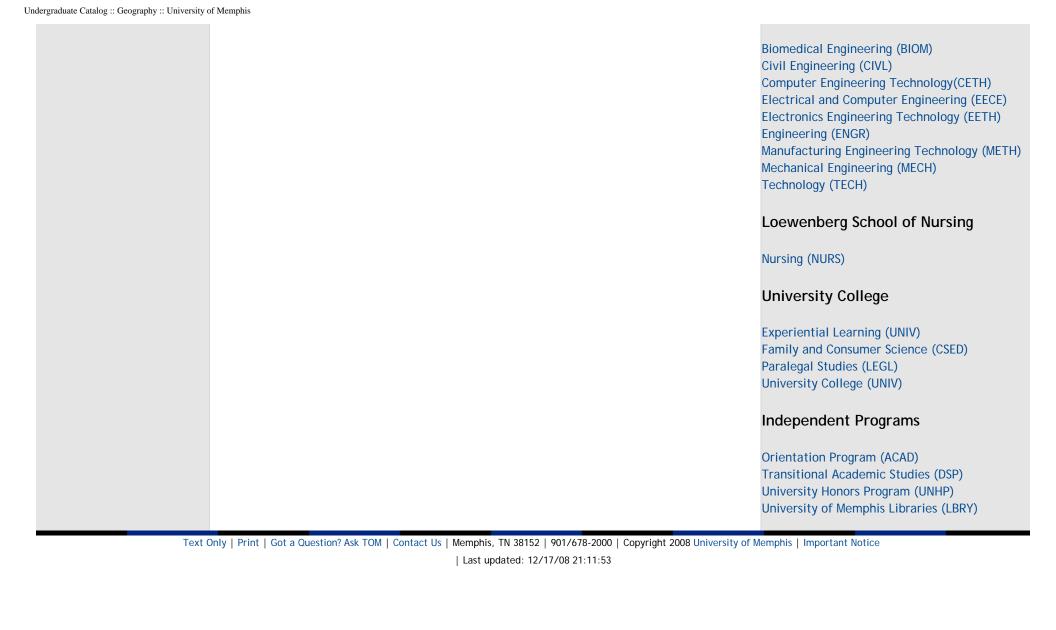
Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES) Journalism (JOUR) Theatre (THEA)

Elective	3	Elective	3		Music
Semester Totals	16 h	nrs	16 hrs		Music
Junior Year					Applied Music (MUAP) Jazz and Studio Ensembles (MUAP) Music Appreciation (MUS)
ESCI 1401 or 3430	3	History*		2	Music Education (MUSE)  Music History, Literature, and Appreciation
ESCI 4502	3	UD ESCI		3	(MUHL)
UD ESCI	3	UD elective	e	2	Music Industry (MUID)  Music Theory and Composition (MUTC)
UD elective	3	Humanities	s/B.A.		Sacred Music (MUSA)
Elective	3	Social Scie	nce/B.A.	3	College of Education
Semester Totals	15 hr	rs .		15 hrs	
Senior Year					Counseling, Educational Psychology and Research
	3	ESCI 4801	3		Counseling and Personnel Services (COUN) Educational Psychology and Research (EDPR)
	3	UD ESCI	3		Health and Sport Sciences
UD elective	3	UD elective	3		·
UD elective	3	Elective	4		Dietetics (NUTR) Health and Human Performance (EXSS)
Elective	3				Health and Sport Sciences(HMSE)
Semester Totals	15 hrs		13 hrs		Health Promotion (HPRO)
					Physical Education Activities (PHED) Physical Education Teacher Education (PETE)
Total Hours: 120-12	22				Sport and Leisure Commerce (SLC)
Total Hours Require	ed for	Graduation: 1	120		Sport and Leisure Management (SLS)
*Must satisfy Univer				ram Requirement	Instruction and Curriculum Leadership
Geography Minor					Early Childhood Education (ECED) Educational Services (EDSV) Flomontary Education (FLED)
Completion of 20 sedivision hours.	emeste	er hours in ge	ography (	courses, at least 9 of which must be upper	Elementary Education (ELED) Instruction and Curriculum Leadership (ICL) Instructional Design and Technology (IDT) Leadership (LEAD) Reading (RDNG) Special Education (SPED)





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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) to have a fundamental knowledge of the past; (b) to have the ability to think historically: to comprehend continuity and change over time and to understand events and ideas in terms of the History (HIST) variety of contexts giving those events and ideas meaning and significance; (c) to possess the ability to locate appropriate primary and secondary sources, assess those sources in a critical and analytical way, and use them to construct a coherent historical argument; to express a high degree of satisfaction with the quality of the education received in that program.

All candidates for graduation at the University of Memphis are required to complete History 2010 Naval Science (NAVY) or 2020.

History Major (B.A.)

A. University General Education Program (41 hours)

See Graduation from the University for the University General Education Program requirements.

**Course Descriptions** 

College of Arts and Sciences

Aerospace Studies (AERO)

African and African American Studies (AAAS)

Anthropology (ANTH)

Biology (BIOL)

Chemistry (CHEM)

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International Studies (INTL)

Judaic Studies (JDST)

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Military Science (ARMY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

### B. College and Degree (B.A.) Requirements (18-19 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 (United States, Latin American, Ancient/Byzantine, European, Russian, Far Eastern, Middle Eastern, African).

#### 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 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

#### 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)

Decision Sciences (ISDS)

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)

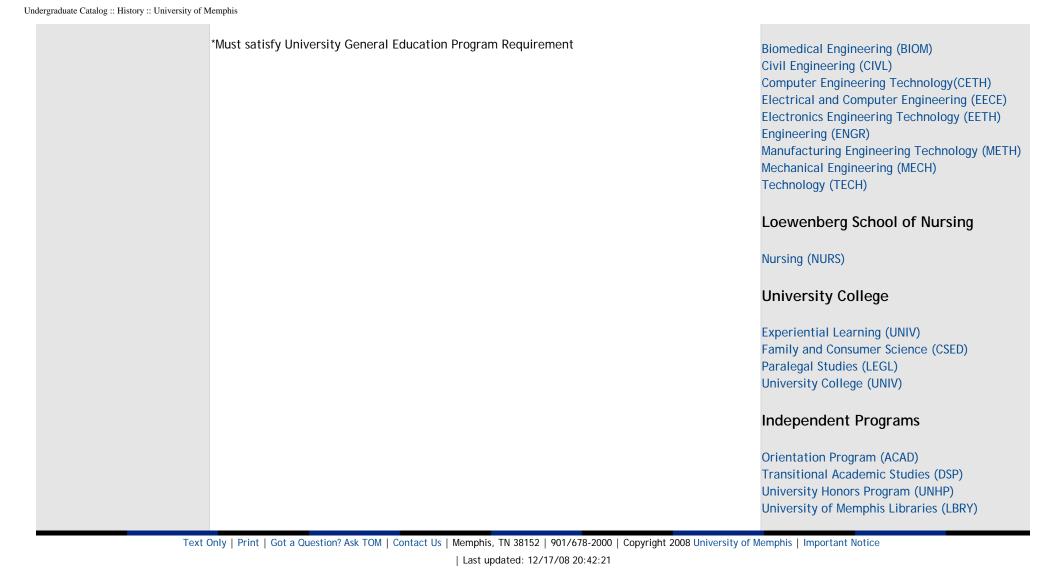
Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Elective	3	Social/Behavioral So	ciences*	3	Music
Semester Totals	1	15-16 hrs		15-16 hrs	wusic
Sophomore Year					Applied Music (MUAP) Jazz and Studio Ensembles (MUAP) Music Appreciation (MUS)
ENGL 2201 or 220	2 3	COMM 2381	3		Music Education (MUSE)  Music History, Literature, and Appreciation
HIST 2010	3	HIST 2020	3		(MUHL)
Natural Science*	4	Natural Science*	4		Music Industry (MUID)  Music Theory and Composition (MUTC)
Fine Arts/B.A.	3	Social/Behavioral Sciences*	* 3		Sacred Music (MUSA)
Elective	3	UD elective	3		College of Education
Semester Totals	16 hr	rs	16 hrs		conlege of Eddedtion
Junior Year					Counseling, Educational Psychology and Research
Social Science/B.	A. 3	Elective 3			Counseling and Personnel Services (COUN) Educational Psychology and Research (EDPR)
Humanities/B.A.	3	Elective 3			Health and Sport Sciences
Elective	3	UD HIST 3			Health and Sport Sciences
UD HIST	3	UD HIST 3			Dietetics (NUTR)
UD HIST	3	UD elective 3			Health and Human Performance (EXSS) Health and Sport Sciences(HMSE)
Semester Totals	15 h	rs 15 hrs			Health Promotion (HPRO)
Senior Year					Physical Education Activities (PHED) Physical Education Teacher Education (PETE) Sport and Leisure Commerce (SLC) Sport and Leisure Management (SLS)
UD HIST	3	UD HIST 3			Sport and Leisure management (323)
UD HIST	3	UD elective 3			Instruction and Curriculum Leadership
UD elective	3	UD elective 3			Early Childhood Education (ECED)
UD elective	3	Elective 4			Educational Services (EDSV)
Elective	3				Elementary Education (ELED) Instruction and Curriculum Leadership (ICL)
Semester Totals  Total Hours: 120	15 hrs	13 hrs			Instructional Design and Technology (IDT) Leadership (LEAD) Reading (RDNG) Special Education (SPED)
Total Hours Requir	ed for G	Graduation: 120			Herff College of Engineering
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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 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. Note the following is recommended for the International Studies major: Social Science - ECON 2120.

B. College and Degree (B.A.) Requirements (18-19 hours)

The College and Bachelor of Arts requirements are in addition to the University General Education Program requirements and are listed above.

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

### C. The Major (39 hours)

- 1. Core requirements (24 hours)
- a. Select 15 hours from: ECON 4350, POLS 1501 or UNHP 1102, POLS 4508, HIST 4260, INTL 4601.
- B. Select 3 hours from each group: International Political Processes ANTH 4414, POLS 3330, 3505, 3509, 4317, 4504; International Economic Processes - ECON 3580, 4340, ESCI 3430, POLS 4510; International Development Processes - ESCI 4203, POLS 3325, SOCI 2100, 3940, 4641.
- 2. Concentration (9 hours)
- a. Global Processes: Choose 3 courses in at least 2 disciplines

American Foreign Policy - HIST 3803, 3811, POLS 3506, 4506; Global Economics and Management - ECON 4351, FIR 4550, HPRM 4400, MGMT 4510, 4810, MKTG 4530, 4570, 4620, SLS 4135, 4165, 4175; Global Conflict and Security - CJUS 4190, HIST 3817, JDST/UNIV 4511 or UNHP 4404, JDST/ UNIV 4830, POLS 4315, 4511; Transnational Interactions and Issues - ANTH 4413, COMM 4375, ESCI 1401, POLS 3320, SOCI 4413, UNIV 2860.

b. Area Studies: Choose 3 courses in at least 2 disciplines

Comparative Approaches and Issues - ANTH/ESCI 3200, CJUS 2110, ENGL 4440, 4511, 4521, ESCI 1301, PADM 4401, POLS 1301, 3310, 3340, SOCI 4631, UNHP 4250; Africa/Middle East - ANTH 3242, 4120, HIST 3273, 3274, 3281, 3282 3280, 4272, 4273, 4288, 4289, 4285, 4286, 4287, JDST. POLS 4820, POLS 3309; Asia - ECON 3010, ESCI 4307, HIST 3291, 4292, 4294, 4295, PHIL 3721, POLS 4307; Europe - ENGL 3220, HIST 3122, 3302, 3506, 4145, 4162, 4453, 4461, LALI 4442, 4493, POLS 3302; Latin America - ANTH 3232, HIST 3211, 3212, 4213, 4221, 4222, POLS 3306.

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.

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) POLS 1501, POLS 1301 or UNHP 1102, (b) INTL Dance (DANC) 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

#### 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)

Decision Sciences (ISDS)

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)

Interior Design (IDES)

Journalism (JOUR)

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 3290, 3291, 4292, 4294, 4295, LALI 3401, or PHIL 3721, and 6 semester hours from ECON 3010, GEOG 4306, POLS 4307, 4312, or SOCI 4642.

#### 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*	3
POLS 1501	3	ECON 2120, recommended	3
Semester Totals	15-16 hrs		15-16 hrs

## Sophomore Year

History*	3	History*	3
Social Science/B.A.	3	Elective	3
Natural Science*	4	Natural Science*	4
UD Foreign Language	3	UD Foreign Language	3
Humanities*	3	COMM 2381	3
Semester Totals	16 hrs		16 hrs

#### Junior Year

ENGL 2201 or 2202	3	Fine Arts/B.A.	3
ECON 4350	3	POLS 4508	3
Elective	3	Elective	3
HIST 4260	3	Inter. Econ. Processes	3
Inter. Pol. Processes	3	Inter. Dev. Processes	3

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

Semester Totals 15 hrs 15 hrs Senior Year INTL 4601 3 INTL conc. elective 3 INTL conc. elective 3 INTL conc. elective 3 Humanities/B.A. 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

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
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### Bornblum Judaic Studies

The Bachelor of Liberal Studies in Bornblum Judaic Studies is granted through University College Course Descriptions 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 (12 hours)

JDST 3801, 3802

#### 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)

## 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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

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 Studies content.

#### 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)

Decision Sciences (ISDS)

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)

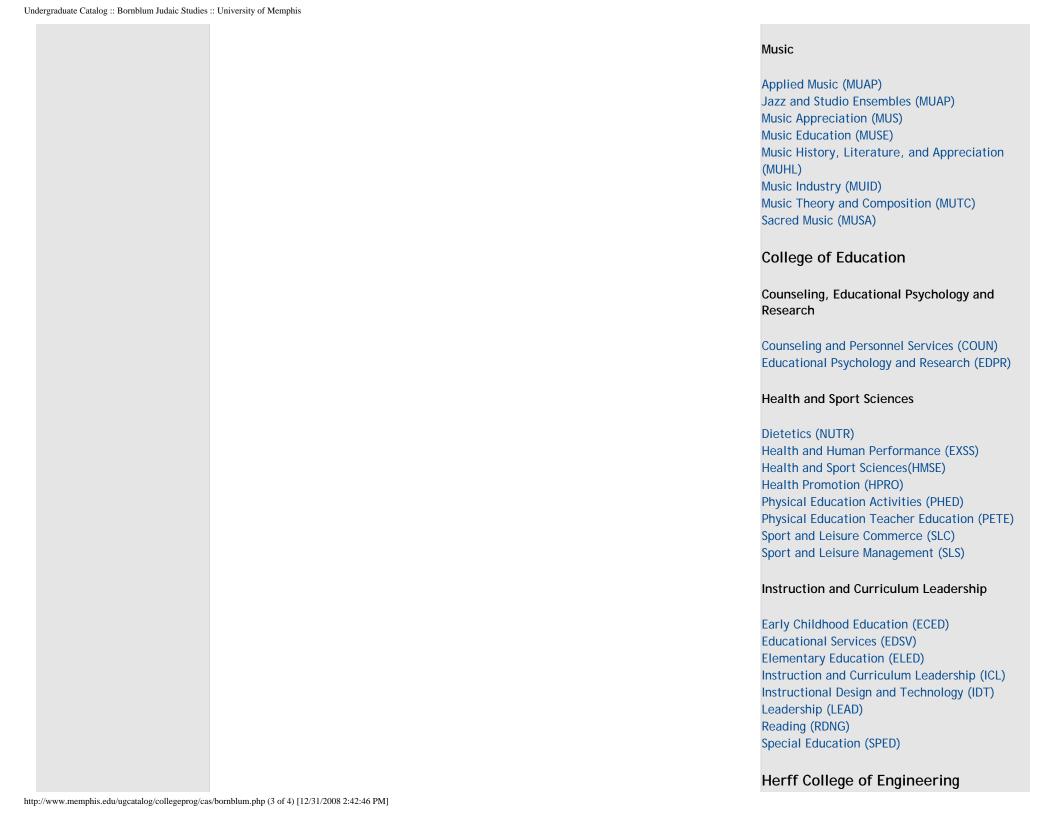
Communication (COMM)

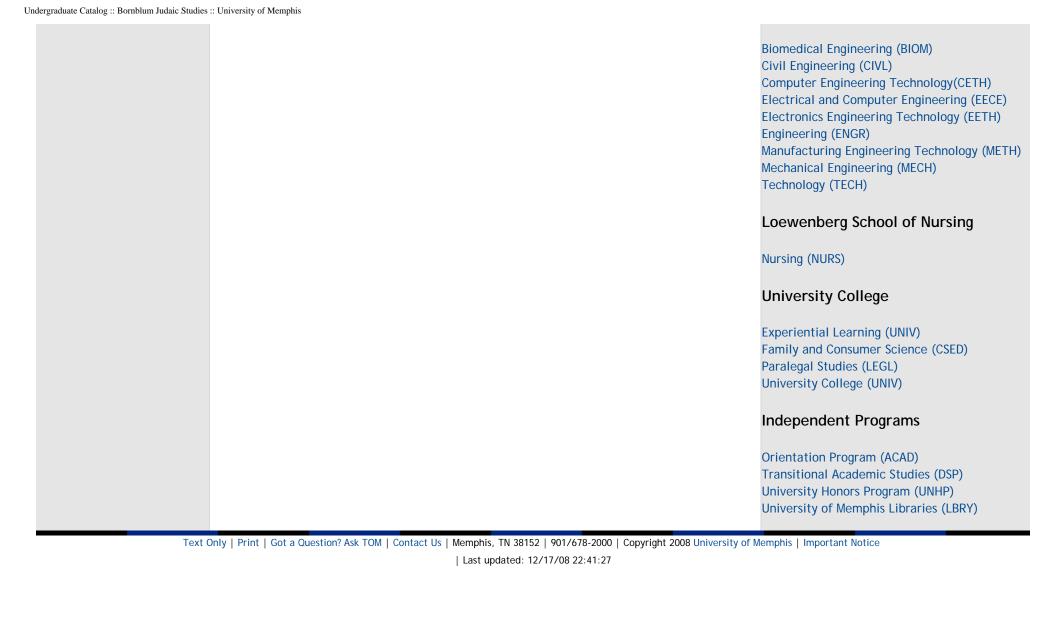
Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)







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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 2110, 2120, 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, 4521.
  - 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

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

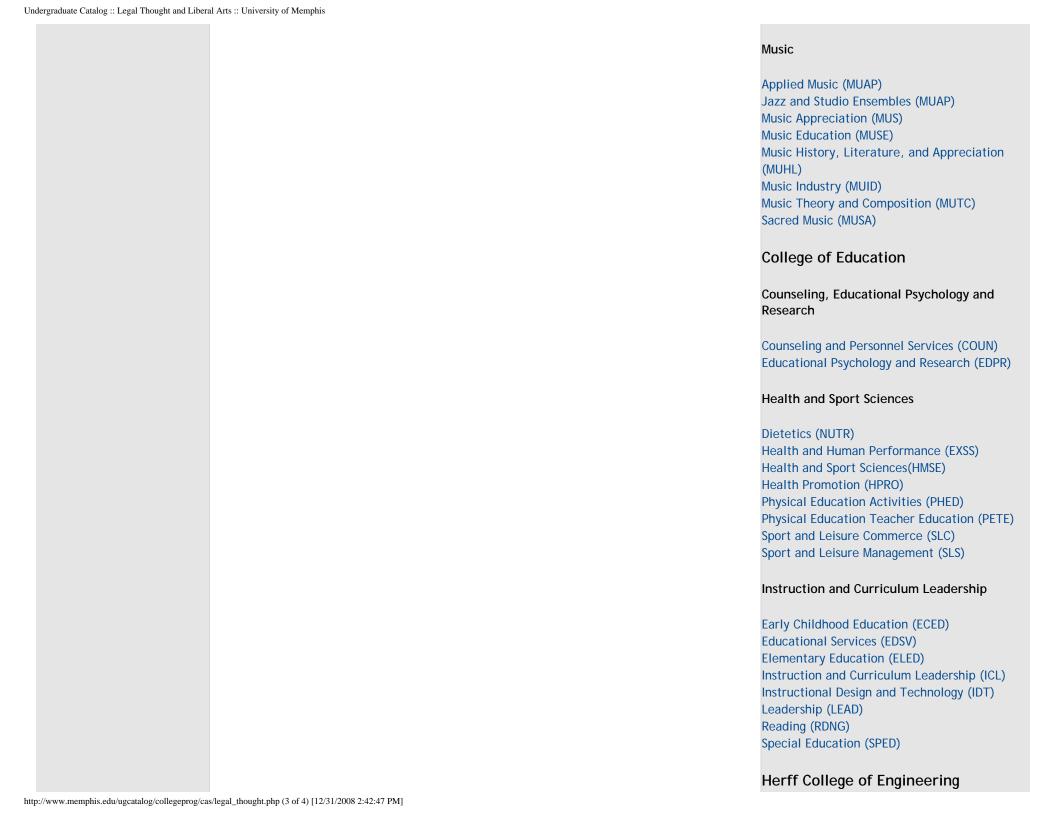
Public and Nonprofit Administration (PADM)

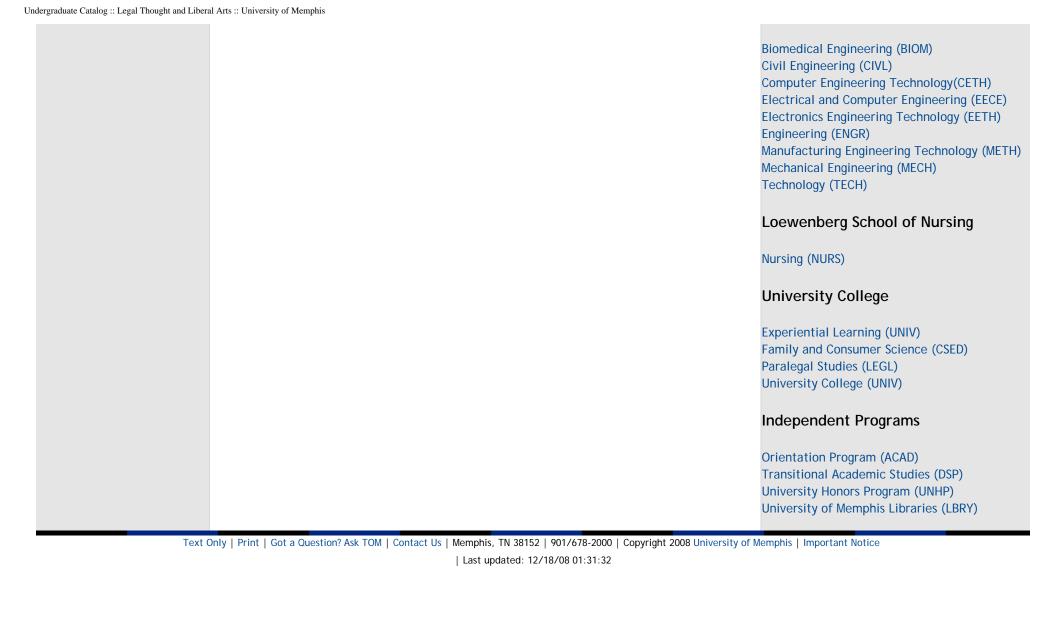
Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Indergraduate Catalog :: Legal Thought and Liberal Arts :: University of Memphis						
	fulfilled those prerequisites.	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) Decision Sciences (ISDS) 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)				







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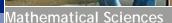
**Faculty and Staff** 

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**Department of Mathematical Sciences** 

Mathematical Sciences Major (B.S.)

Program objectives for a B.S. in Mathematical Sciences are: (a) to offer modern instructional programs which prepare students for future careers in academics, business, industry, or any scientifically-oriented field; (b) to have our graduated compare favorably in their understanding of the basic mathematical curriculum with students completing similar programs nationally; (c) to have our graduates possess substantial understanding of the role of the computer in modern mathematical sciences, and skill in applying that understanding.

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 (15-16 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

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

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.

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, 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 Communication (COMM) 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

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)

Decision Sciences (ISDS)

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/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

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 (30 hours)

Twenty-four (24) semester hours in MATH courses including MATH 1910, 1920, 2110 (4), 3120, 3242, and 6 semester hours in upper division MATH courses approved by the department, and 6 additional hours of mathematically related courses also approved by the department.

#### Mathematical Sciences Minor

A minimum of 21 semester hours, including MATH 1910 (4), 1920 (4), 2110, plus 9 additional upper division semester hours in MATH courses approved by the department.

### Typical 4-Year Mathematical Sciences 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

#### Sophomore Year

History*	3	History*	3
ENGL 2201 or 2202*	3	MATH 2702	3
MATH 2110	4	COMM 2381	3
Natural Science**	4	Humanities*	3
Social/Behavioral Sciences*	3	Elective	3
Semester Totals	17 hrs		15 hrs

#### Junior Year

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

MATH 3242	3	UD MATH	3
Social Science/B.S.	3	Humanities*	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	UD 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

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

# **Independent Programs**

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Transitional Academic Studies (DSP)
University Honors Program (UNHP)
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<sup>\*\*</sup>Choose one Natural Science sequence: CHEM 1110/1111 and 1120/1121, OR PHYS 2110/2111 and 2120/2121.



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### Philosophy

Department of Philosophy

Philosophy Major (B.A.)

Program objectives for a B.A. in Philosophy are: (a) to acquire fundamental knowledge reflecting the subdivisions within the discipline; (b) to express a high degree of satisfaction with the program and instruction within the department; (c) to be able to demonstrate skills which will be beneficial in further study or in their career paths.

A. University General Education Program (41 hours)

See Graduation from the University for the University General Education Program requirements. Earth Sciences (ESCI)

B. College and Degree (B.A.) Requirements (18-19 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 fro 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.

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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)

English (ENGL)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

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, 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	Fine Arts Heritage/B.A.	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

Women's Studies (WMST)

## Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

Greek (GREK)

Hobrau (HEDI

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)** 

**Decision Sciences (ISDS)** 

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)

Sophomore Year						
ENGL 2201 or 2202	3	Social/Be	havi	oral Sciences*	3	
History*	3	History*			3	
PHIL 1611	3	Humanitie	es/B	S.A.	3	
PHIL 3001	3	PHIL 3002			3	
Natural Science*	4	Natural So	cien	ce*	4	
Semester Totals	16 h	rs			16 hrs	
Junior Year						
Social Science/B.A.	3	Humaniti	es*	3		
COMM 2381	3	Elective		3		
PHIL 3411 or 3511	3	UD PHIL		3		
UD PHIL	3	UD elect	ive	3		
UD PHIL	3	Elective		3		
Semester Totals	15 I	nrs		15 hrs		
Senior Year						
Serior real						
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	5 hrs		13	hrs		
Tatal Hauma, 120 120	,					
Total Hours: 120-122	<u>/</u>					
Total Hours Required	d for	Graduation: 1	120			
*Must satisfy University General Education Program Requirement						

#### Music

Applied Music (MUAP) Jazz and Studio Ensembles (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

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)** 

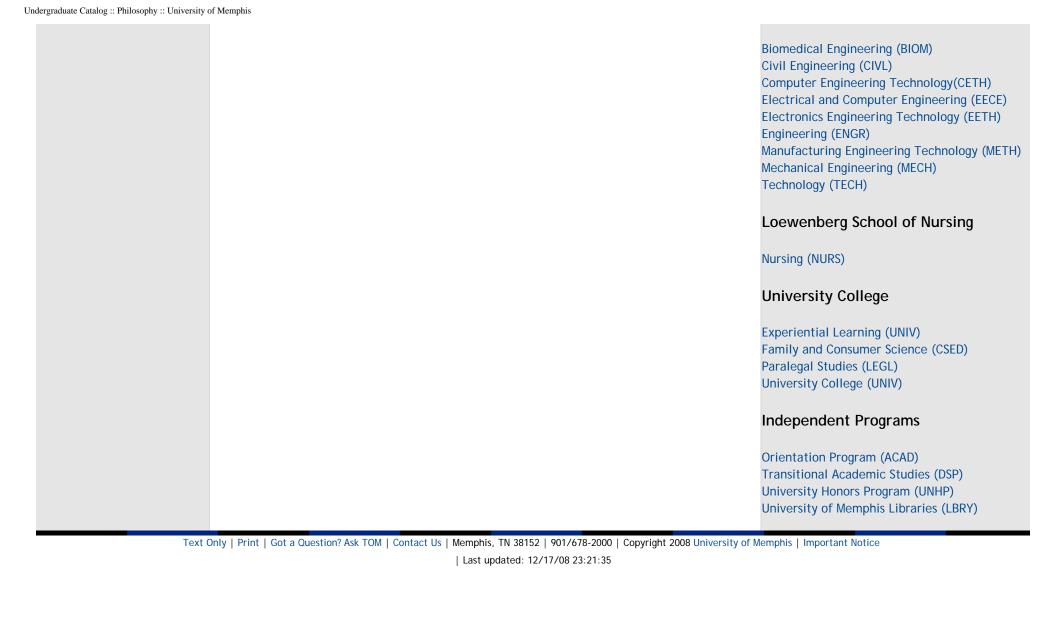
Elementary Education (ELED)

Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD) Reading (RDNG)

Special Education (SPED)





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**Degree Program and Planning** 

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Physics

Department of Physics

Physics Major (B.S.)

Program objectives for a B.S. in Physics are: (a) to demonstrate a broad understanding of the disciplines encompassing the undergraduate physics curriculum as is generally accepted by physics professionals; (b) to be able to successfully demonstrate competence in the application of the concepts and principles of physics, including the necessary background in mathematics and related fields; (c) to be well prepared for entrance into a graduate or professional degree program, or for career choices.

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 (18-19 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 hours in addition to University General Education Program and B.S. degree requirements)

Completion of PHYS 2110/2111, 2120/2121 (PHYS 2010/2011, 2020/2021 are acceptable, but not Public and Nonprofit Administration (PADM) recommended), PHYS 2115, 3010, 3011, 3111, 3211, 3610, 3611, 4410, 4510, and nine hours of electives, six of which must be upper division; CHEM 1110/1111, 1120/1121 (these 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

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

included in the B.S. degree requirements), MATH 2110, 3120, or equivalent courses.

#### 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 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://physics.memphis.edu/academics\_undergrad\_2ndmajor.html

## 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://physics.memphis.edu/academics\_undergrad\_2ndmajor.html

### 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), PHYS 2115, and nine 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

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)** 

**Decision Sciences (ISDS)** 

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)

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.

## Typical 4-Year Physics Sequence

#### 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
Elective	3	COMM 2381	3
Semester Totals	17 hrs		17 hrs

## Sophomore Year

PHYS 2115	3	PHYS 3011	3
MATH 2110	4	MATH 3120	3
Social/Behavioral Sciences*	3	Humanities*	3
CHEM 1110/1111	4	CHEM 1120/1121	4
		Social/Behavioral Sciences*	3
Semester Totals	14 hrs		16 hrs

#### Junior Year

PHYS 3010	3	PHYS 3111 3	
PHYS 3211	3	PHYS elective 3	
PHYS 3610	1	PHYS 3611 1	
History*	3	History* 3	

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

Flamentary Education (FLE)

Elementary Education (ELED)

Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

**UD** elective Humanities\* 3 ENGL 2201 or 2202 3 13 hrs Semester Totals 16 hrs Senior Year PHYS 4510 PHYS 4410 3 **UD PHYS** 3 **UD PHYS** 3 **UD** elective Humanities/B.S. 3 Elective 2 **UD** elective 3 3 Social Science/B.S. 3 UD elective 15 hrs Semester Totals 12 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

\*Must satisfy University General Education Program Requirement

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

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# **Undergraduate Catalog**

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**Campus Directory** Calendar 2008 - 2009 **Degree Program and** Description of the University

Political Science Services to Students

Department of Political Science Expenses

Academic Regulations Political Science Major (B.A.)

Graduation from the Program objectives for a B.A. in Political Science are: (a) to demonstrate a broad understanding University of the discipline; (b) to be able to engage in critical thinking and analysis, understand events Colleges and Degree and ideas in terms of a variety of contexts that give those events and ideas meaning and significance, use logic and evidence to construct and defend a position, and communicate their Programs argument in written and oral form; (c) to possess the ability to locate appropriate primary and Course Descriptions secondary sources, assess those sources in a critical and analytical way, and use them to Faculty and Staff

construct a coherent argument.

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 (18-19 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 1100, 3211, 3213, 3215, 3216, 3217, 3218, 3219, 3220, 3321, 3405, 4200, 4211, 4212, 4222, 4223, 4701.

Comparative Politics: POLS 1301, 3302, 3306, 3310, 3320, 3325, 3330, 3340, 4307,4315, 4317,

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

4820.

International Relations: POLS 1501, 3505, 3506, 3509, 4504, 4506, 4508, 4510, 4511.

Political Theory: POLS 1101, 1102, 3102, 3401, 3402, 3410, 3415, 4405, 4415, 4416.

Students must complete POLS 1100 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.

### 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 Theatre (THEA)

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)

**Decision Sciences (ISDS)** 

**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)

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 1100	3	POLS 1501	3
Elective	3	POLS 1101	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	Fine Arts/B.A.	3
History*	3	Natural Science*	4
Natural Science*	4	UD POLS	3
POLS 1301	3	Social Science/B.A.	3
POLS 1102	3	COMM 2381	3
Semester Totals	16 hrs		16 hrs

#### Junior Year

Humanities/B.A.	3	UD POLS	3
Elective	3	UD POLS	3
UD POLS	3	UD POLS	3

#### Music

Applied Music (MUAP)
Jazz and Studio Ensembles (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

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)

UD POLS	3	UD elective	3
POLS 4101	3	Elective	3
Semester Totals	15 hrs		15 hrs

#### Senior Year

Elective	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

Total Hours: 120-122

Total Hours Required for Graduation: 120

\*Must satisfy University General Education Program Requirement

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)

Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)

Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

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<sup>\*\*</sup>Political Science majors must select at least 6 hours in each of the four subfields listed above.



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Degree Program and Planning		
Description of the University		
Services to Students	Psychology	
Expenses	Department of Psychology	Course Descriptions
Academic Regulations	Psychology Major (B.A.)	College of Arts and Sciences
Graduation from the University	Program objectives for a B.A. in Psychology are: (a) to provide an introduction and basic grounding in scientific psychology, to allow students to make a preliminary assessment of	Aerospace Studies (AERO)
Colleges and Degree	interest in further training in the field; (b) to obtain a strong background in psychology as a	African and African American Studies (AAAS) Anthropology (ANTH)
Programs	basis for graduate study in the field.	Biology (BIOL)
Course Descriptions	A. Heimerika Commit Education Decrease (44 house)	Chemistry (CHEM)
Faculty and Staff	A. University General Education Program (41 hours)	Computer Science (COMP)
Catalog Archive and	See Graduation from the University for the University General Education Program requirements	Criminology and Criminal Justice (CJUS)
University Links		English (ENGL)
Class Offerings	B. College and Degree (B.A.) Requirements (18-19 hours)	Health Administration (HADM)
Class Offerings		History (HIST)
	The College and Bachelor of Arts requirements are in addition to the University General	Interdisciplinary Studies (INTD)
Search the catalog:	Education Program requirements and are listed above.	International Studies (INTL) Judaic Studies (JDST)
Search the catalog.	C. The Major (35 hours in Psychology)	Mathematics (MATH)
	and mager (continue mentions)	Military Science (ARMY)
	1. Completion of PSYC 1200, 3000 (4), 3001 (4). In addition, all majors must take the Psychology	Naval Science (NAVY)
No	Field Test during their senior year.	Philosophy (PHIL)
spectrum	2. Concentrations (21 hours):	Physics (PHYS) Political Science (POLS)
7	2. Concentrations (21 nours):	Open Learning Fire Services Program (PADM)
	a. Behavioral Neuroscience: any 3100 series course, 3306, 3507, 4505, 4506, and 4997 (Thesis), and 3 additional upper-division hours. Students must also take BIOL 1110, 1120, CHEM 1110,	Public and Nonprofit Administration (PADM) Psychology (PSYC)
	1120.	Social Work (SWRK) Sociology (SOCI)
	b. General Psychology: Completion of at least one course each from the PSYC 3100, 3300, and	Statistics (MATH)

3500 series; and 15 additional upper-division hours in PSYC courses.

#### D. Electives

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

### 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 Japanese (JAPN) 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 Latin (LATN) 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 1200 (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 honorlevel 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 1200, 3000, 3001 (or equivalent), and 9 additional upper-division hours.

# Typical 4-Year Psychology Sequence

## Women's Studies (WMST)

### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

Greek (GREK)

Hebrew (HEBR)

Italian (ITAL)

Languages and Literature (LALI)

Portuguese (PORT)

Russian (RUSS)

Spanish (SPAN)

## Fogelman College of Business and **Economics**

Accountancy (ACCT)

Business Administration (BA)

**Decision Sciences (ISDS)** 

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)

· y ·	or wiempins							
	Freshman Year							
	ENGL 1010		3	Ε	NGL 1020	)		3
	MATH*		3-4	N	lat. Sci./I	Math/E	3.A.	3-4
	PSYC 1200		3	Р	SYC 3000			4
	Elective		3	Н	lumanitie	s*		3
	Foreign Language/B	.Α.	3	F	oreign La	inguag	e/B.A.	3
	Semester Totals		15-1	6 hrs				16-17 hrs
	Sophomore Year							
	PSYC 3001	4	Р	SYC 30x	ΚX	3		
	ENGL 2201 or 2202	3	С	OMM 23	381	3		
	PSYC 31xx	3	U	JD elect	ive	3		
	Natural Science*	4	N	latural S	Science*	4		
	Elective	3	Н	listory*		3		
	Semester Totals	17	hrs			16 hrs	5	
	Junior Year							
	Humanities/Fine Art	ts ;	3	Electi	ve			3
	PSYC 35xx	;	3	UD PS	YC electi	ve		3
	Fine Arts/B.A.	;	3	UD ele	ective			3
	Elective	;	3	Social	/Behavio	ral Sci	ences*	3
	UD PSYC elective	;	3	Electi	ve			3
	Semester Totals	•	15 hrs					15 hrs
	Senior Year							
	UD PSYC elective	3	3	Histor	у		3	
	Elective	3	3	UD PS	YC electi	ve	3	

#### Music

Applied Music (MUAP) Jazz and Studio Ensembles (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

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)

UD PSYC elective 3 Social Science /B.A. 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

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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

# **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
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Public Administration

School of Urban Affairs and Public Policy

Division of Public and Nonprofit Administration

Public Administration Minor

For a minor in Public Administration, the student must complete 18 hours in Political Science and Public Administration, including POLS 1100, and PADM 4221. Additionally, the student should complete 9 hours from among the following: POLS 3211, POLS 3213, PADM 4101, POLS 4222, POLS 4224, PADM 4226, PADM 4231, PADM 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, a certification program that builds competencies in nonprofit administration through coursework, internships, volunteer opportunities, student association leadership activities and professional development workshops.

The Minor: 18 semester hours of required courses and electives.

- 1. Nonprofit Management and Program Planning (3 hours): PADM/POLS 4226, ANTH 4412
- 2. Accounting and Financial Management (3 hours): ACCT 2010 or PADM 4227

# **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

3. Human Resource Development and Supervision (3 hours): POLS 3601; MGMT 3110 or MGMT Women's Studies (WMST) 3215

4. Communication Skills (3 hours): COMM 4342, COUN 4621, MGMT 4420 or SWRK 3902

5. Nonprofit Context (3 hours): ANTH 4412, ART 3411, CSED 3302, EDPR 2111, EDSV 3350, PADM Chinese (CHIN) 4412, PSYC 3103, SOCI 4923, or SWRK 2911

6. Nonprofit Organizations (3 hours): PADM 4231or SWRK 4830/4831

Foreign Languages and Literatures

Arabic (ARAB)

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)** 

**Decision Sciences (ISDS)** 

**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)

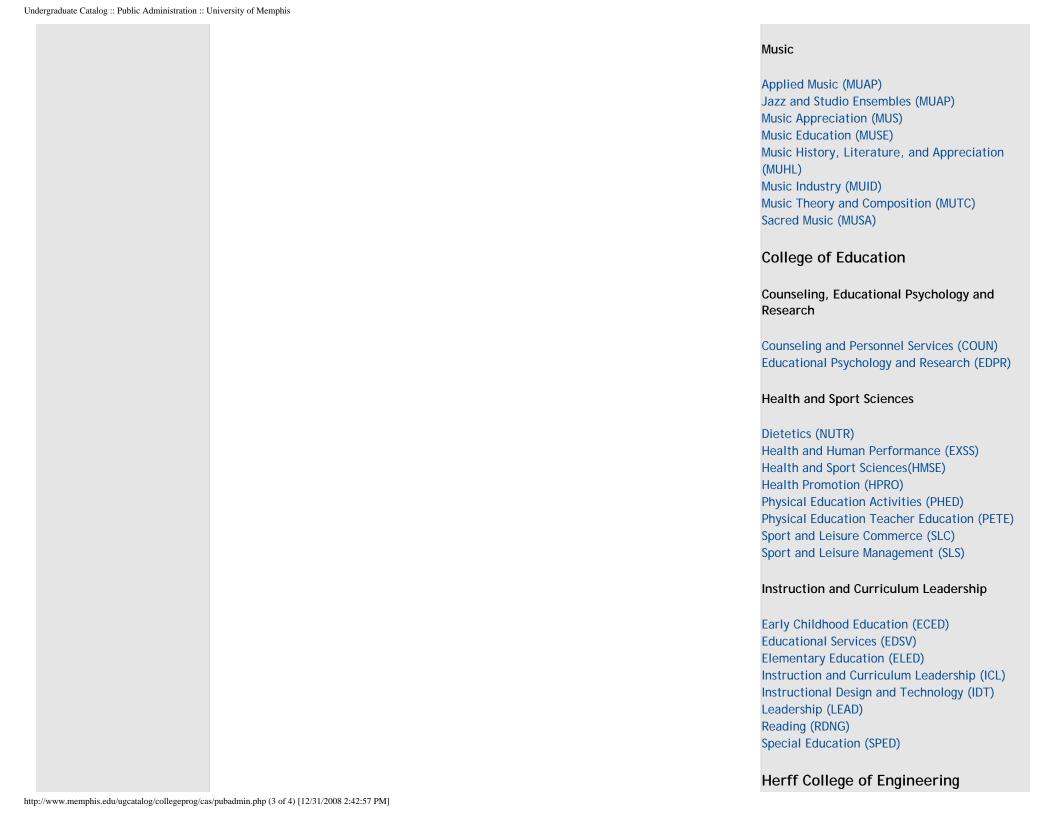
Communication (COMM)

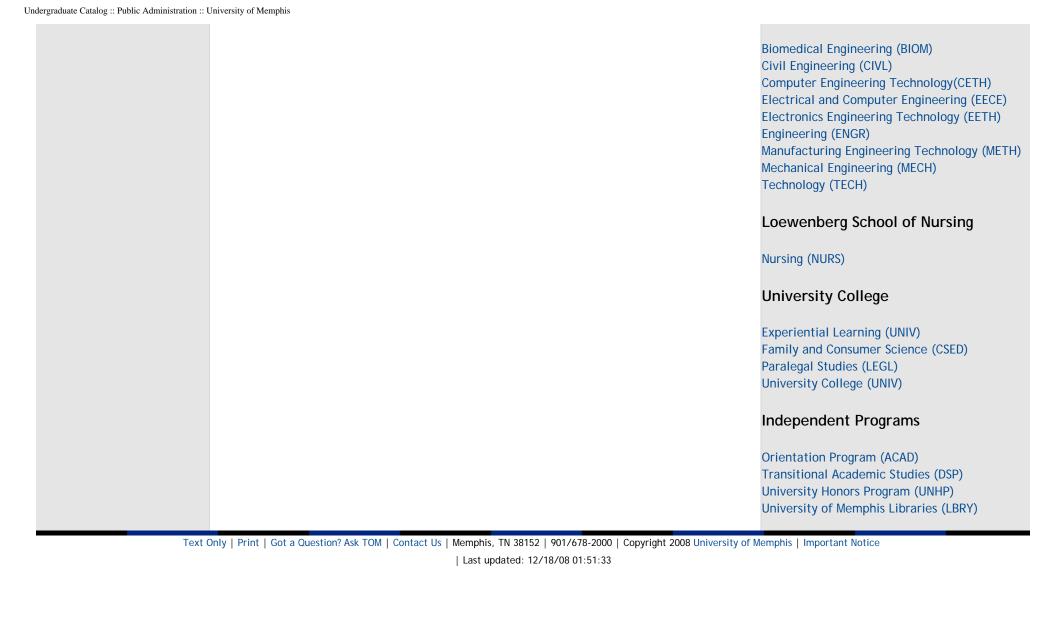
Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)







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Social Work

School of Urban Affairs and Public Policy

Division 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.)

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.

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 American History requirement.

B. College and Degree (B.A.) Requirements (18-19 hours)

The College and Bachelor of Arts requirements are in addition to the University General Education Program 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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

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 (4).

## C. The Major (38 hours in addition to University General Education Program requirements)

Completion of SWRK 2910, 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 social work major. Students repeating two required classroom courses for the major or field instruction will have an academic review by division faculty in the term following the second course repetition. Although students may declare a social work major at any point in their matriculation, students should have a minimum of 40 hours completed including ENGL 1020, ANTH 1200, and two courses from the following list: SOCI 1111; PSYC 1200; POLS 1100; or ECON 2120 before entering the introductory social work courses, SWRK 2910 and SWRK 2911.

#### D. Electives

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

#### Social Work Minor

Completion of 18 semester hours in sociology and social work courses including SOCI 1111, SWRK 2910, 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

## Sophomore Year

#### 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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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)

**Decision Sciences (ISDS)** 

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)

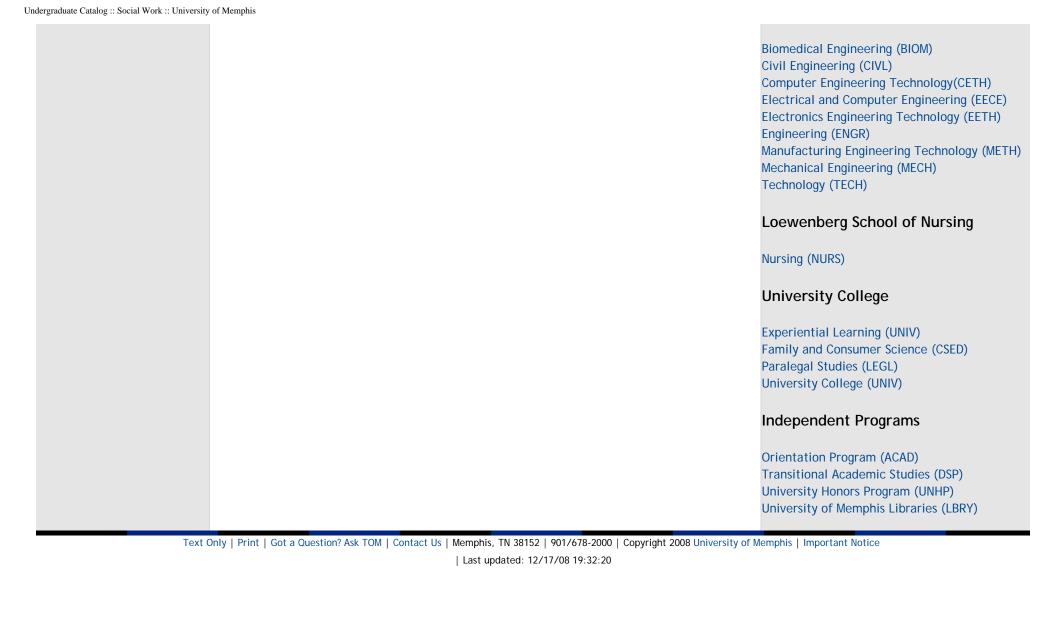
Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

ENGL 2201 or 220	02 3	3 F	History*		3	
Social Science/B.	.A. 3	3 F	Humaniti	es/Fine Arts	` 3	Music
SWRK 2910	3	B F	ine Arts	/B.A.	3	Applied Music (MUAP)
BIOL 1010/1011	4	l E	3IOL 102	0/1021	4	Jazz and Studio Ensembles (MUAP) Music Appreciation (MUS)
SWRK 2911	3	s s	SWRK 39	02	3	Music Education (MUSE)
Semester Totals	1	6 hrs			16 hrs	Music History, Literature, and Appreciation (MUHL) Music Industry (MUID)
Junior Year						Music Theory and Composition (MUTC) Sacred Music (MUSA)
SWRK 3903	4	SWRK	3904	3		College of Education
SWRK 3920	3	COMM	1 2381	3		
SOCI 3311	3	SWRK	3930	3		Counseling, Educational Psychology and Research
Elective	3	SWRK	3906	3		Nesseal CII
SOCI 3422	3	Huma	nities/B	.A. 3		Counseling and Personnel Services (COUN) Educational Psychology and Research (EDPR)
Semester Totals	16 hrs	5		15 hrs		Eddeditorial 1 sychology and Research (EDI N)
						Health and Sport Sciences
Senior Year						Dietetics (NUTR)
SWRK 4830	3	SWRK	4841	2		Health and Human Performance (EXSS) Health and Sport Sciences(HMSE)
SWRK 4840	2	UD el	ective 3	3		Health Promotion (HPRO)
Elective	3	SWRK	4831	4		Physical Education Activities (PHED)
Elective	4	Electi	ive :	3		Physical Education Teacher Education (PETE) Sport and Leisure Commerce (SLC)
		Electi	ive :	3		Sport and Leisure Management (SLS)
Semester Totals	12 hrs	6		15 hrs		Instruction and Curriculum Leadership
Total Hours: 120-1						· ·
Total Haura Dagui	rad far	c Crodus	otion. 11	00		Early Childhood Education (ECED) Educational Services (EDSV)
Total Hours Requi	rea roi	Gradua	ation: 12	20		Elementary Education (ELED)
*Must satisfy Unive	ersity (	General	Educati	on Program I	Requirement	Instruction and Curriculum Leadership (ICL) Instructional Design and Technology (IDT)
For the Social/Beh	naviora	al Scienc	ce and S	ocial Science	/B.A Complete 2 of the following: SOCI	Leadership (LEAD) Reading (RDNG)
1111, PSYC 1200,	POLS 1	1100, an	nd ECON	2120.		Special Education (SPED)
						Herff College of Engineering





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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 (18-19 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, including SOCI 1111, 3311, 3322, 4210 or 4211, 4998 for Honors students, or 4999.

D. Electives

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

E. Honors 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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

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 Foreign Languages and Literatures 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

Completion of 18 semester hours in sociology, including SOCI 1111.

### Typical 4-Year Sociology Sequence

#### Freshman Year

SOCI 1111	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	Humanities*	3
Elective	3	History*	3
Natural Science*	4	Natural Science*	4
Elective	3	Elective	3
Semester Totals	16 hrs		16 hrs

#### Junior Year

#### Women's Studies (WMST)

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)** 

**Decision Sciences (ISDS)** 

**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)

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	Fine Arts/B.A.	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
Social Science/B.A.	3		
Semester Totals	15 hrs		13 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

#### Music

Applied Music (MUAP)
Jazz and Studio Ensembles (MUAP)
Music Appreciation (MUS)
Music Education (MUSE)
Music History, Literature, and Appreciation
(MUHL)
Music Industry (MUID)
Music Theory and Composition (MUTC)

# College of Education

Sacred Music (MUSA)

Counseling, Educational Psychology and Research

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

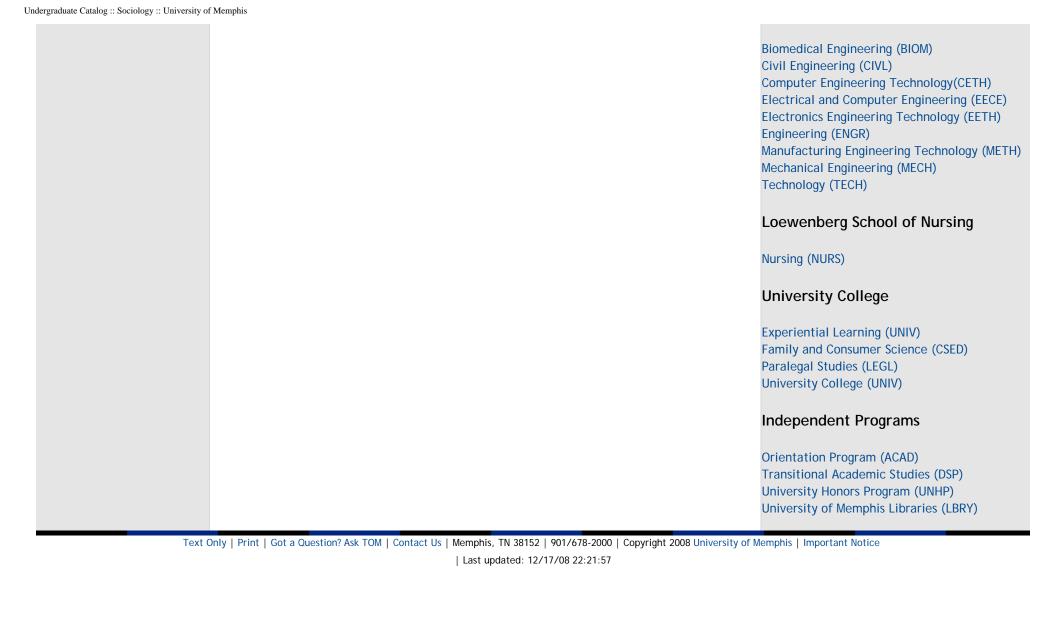
## **Health and Sport Sciences**

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)

<sup>\*</sup>Must satisfy University General Education Program Requirement





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#### Women's and Gender Studies

#### WOMEN'S and GENDER STUDIES

#### Interdisciplinary Studies Office

This minor is designed to expose students to multidisciplinary approaches to racially diverse women's lives. 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 3881 or SOCI 4460; PHIL 3452; WMST 2100.

#### Search the catalog:

#### C. Electives (9 hours)

Select one course from each of the following groups:



- 1. Women's Issues Across Time and Place: ANTH 3511, 4551; HIST 4213, 4289, 4831, 4851; SOCI 3432.
- 2. Cultural Studies: COMM 4373, 4856; ENGL 3325, 3326, 4372, 4373, 4451; SLS 4125.
- 3. Diversity Among Women: HIST 4853, 4882; PHIL 3741; POLS 3415, 4415, 4416; SOCI 3401, 3420, 3422, 4420.

With approval from the Director of Women's and Gender Studies, a special topics course may be

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

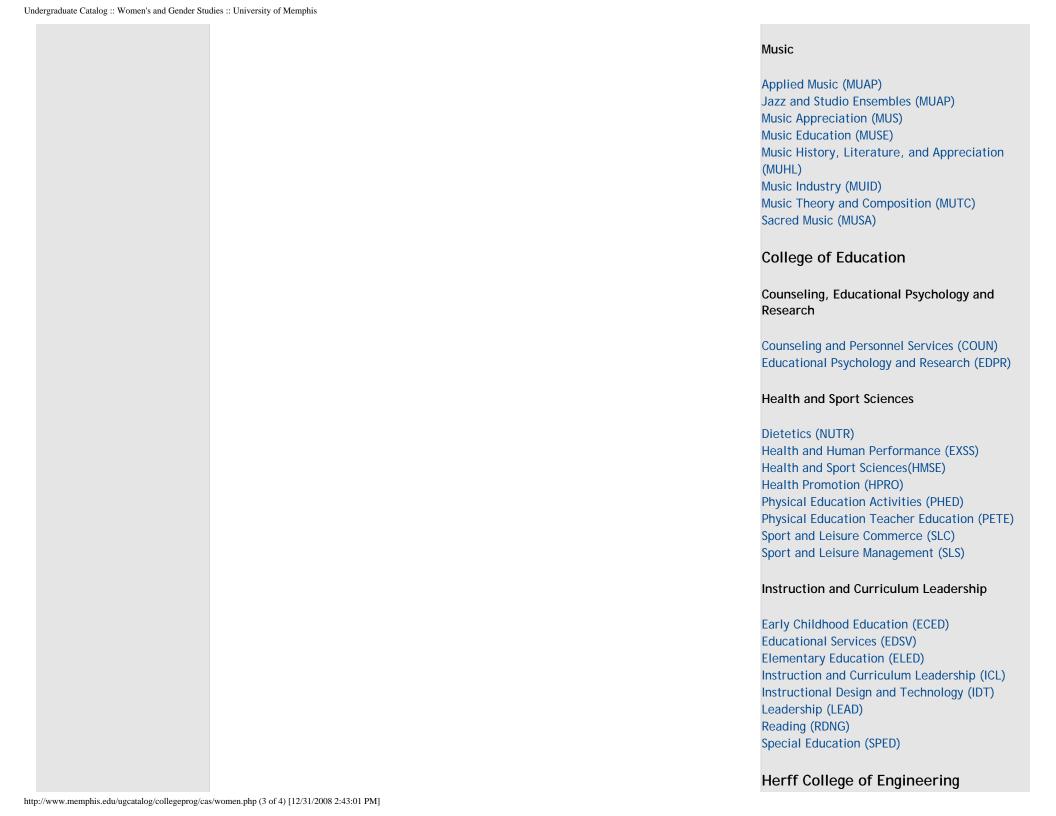
Open Learning Fire Services Program (PADM)

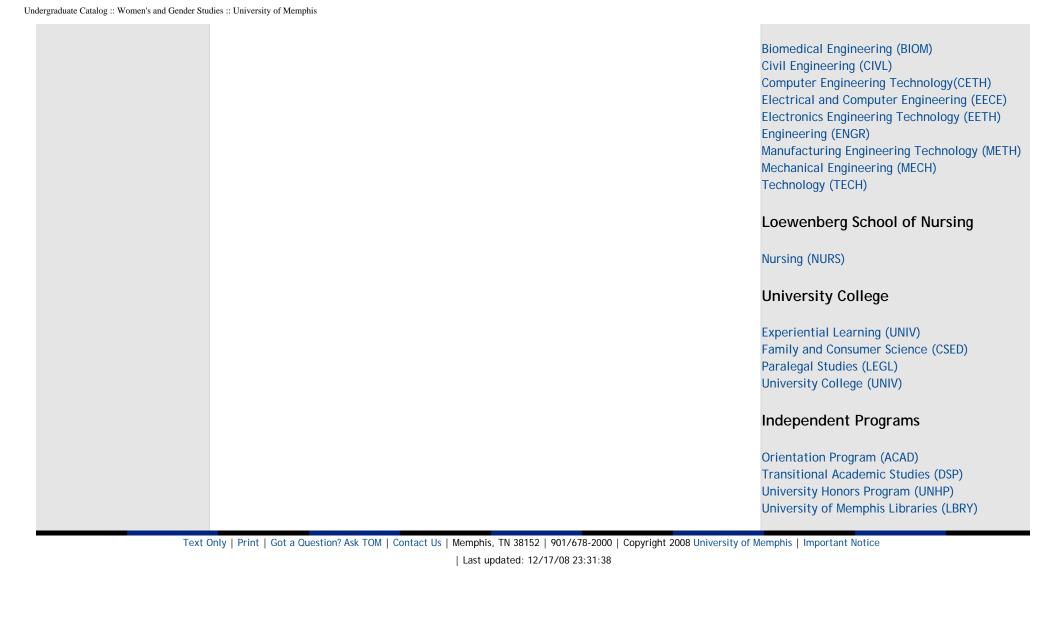
Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)







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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. Students may apply for the two-year or four-year program, or they may enroll one year before applying for the two-year program.

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 one and one-half 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 years remaining at the University (undergraduate, graduate, or a combination). Final selection is based on academic standing, leadership potential, percentile score on the Air Force Officer

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

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Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Qualifying Test, and physical qualifications. All eligible POC members receive an incentive payment of up to \$1,700 per semester which is applied toward University tuition and textbook costs. In addition, members are furnished ROTC course textbooks without charge, receive a subsistence allowance of \$200.00 per month and are issued uniforms provided by the Air Force.

#### THE TWO-YEAR PROGRAM

All students who meet qualifying criteria may apply for selection to the Professional Officer Course under the Two-Year Program if they are not in the Four-Year Program. Processing of applications for the POC begins in the fall of each year. Application may be submitted through March 15. If selected, the student will attend a five-week field training program during the summer preceding entry into the POC. Graduates of the five-week field training are enrolled in the POC with the same status as cadets in the four-year program.

#### 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 transportation to Memphis and a tax free subsistence allowance of \$200.00 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 Air Force bases throughout the United States. 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 College of Communication and Fine the two-year program must successfully complete five weeks of Field Training (AERO 3212) prior Arts to enrollment in the Professional Officer Course.

#### AEROSPACE STUDIES MINOR

Upon successful completion of 18 semester hours in Aerospace Studies with a minimum grade of C, a cadet may apply for a minor in Aerospace Studies.

#### SUPPLEMENTAL COURSES PROGRAM

The AFROTC Supplemental Courses Program (SCP) exists to enhance the career utility and

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)

**Decision Sciences (ISDS)** 

**Economics (ECON)** 

Finance, (FIR)

Hospitality and Resort Management (HPRM)

Management Information Systems (MIS)

Management (MGMT)

Marketing (MKTG)

Architecture (ARCH)

Art (ART)

Art History (ARTH)

Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)

officer performance of persons commissioned through AFROTC. The program consists of required and recommended college/university-taught courses. Cadets must successfully complete the required supplemental courses in addition to all Aerospace Studies courses.

General Military Course (GMC): Scholarship cadets must successfully complete a course in English Jazz and Studio Ensembles (MUAP) composition. Additionally, they are encouraged to take a course in speech. Four-year scholarship cadets must satisfactorily complete the English composition course by the end of the GMC. GMC cadets receiving scholarships of less than four years duration will have two academic years to complete the English composition course. Failure to satisfactorily complete the required supplemental course in the specified period of time will result in termination of scholarship entitlements.

Non-scholarship four-year GMC cadets, two-year program applicants, and persons not required to complete the GMC need not take the GMC supplemental courses before POC entry. However, successful completion of GMC supplemental courses may enhance their chances for POC selection.

Professional Officer Course: cadets must successfully complete a course in mathematical reasoning before commissioning. Ideally, this course should include the acquisition of a specific skill, for example, statistics, computer science, or calculus.

#### 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

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)

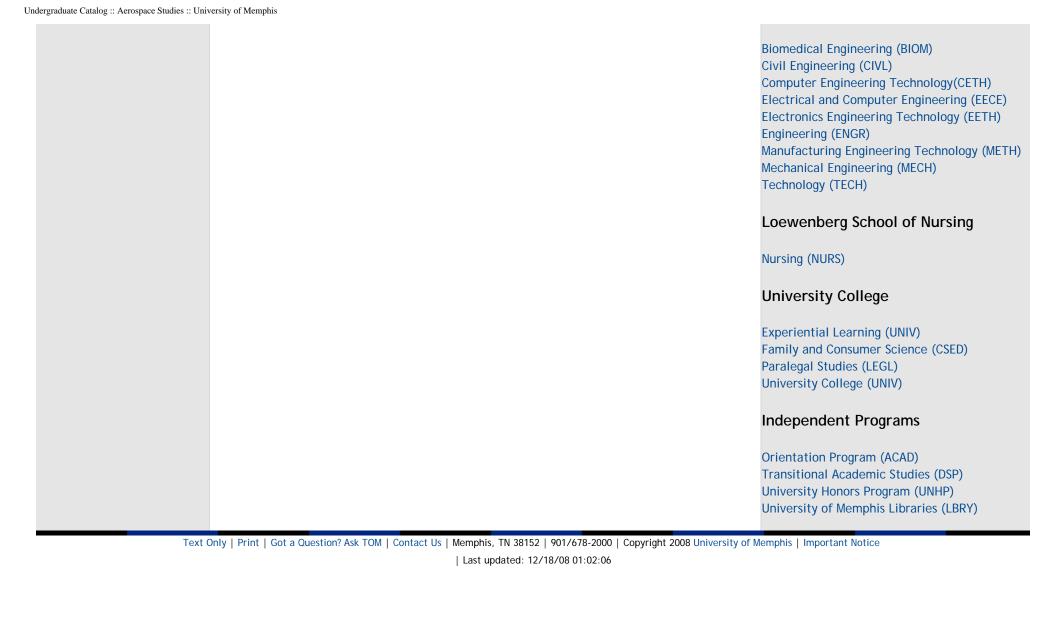
Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

## Herff College of Engineering





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## 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, 2105, 2115, 2120. 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.

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

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 Italian (ITAL) 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 exercises are conducted over a weekend and are an extension of the laboratory. Students are also required to attend a six-week Economics (ECON) 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 Hospitality and Resort Management (HPRM) pay of a Second Lieutenant and are furnished guarters 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

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

Greek (GREK)

Hebrew (HEBR)

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)

**Decision Sciences (ISDS)** 

Finance, (FIR)

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)

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- (MUHL) Year Program to enroll in the Advanced Course. There are three methods for students to receive Music Industry (MUID) 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 2105, 3100, 3111, 3115, 3121, 4100, 4111, 4115 and 4121.

#### SCHOLARSHIP PROGRAM

Scholarships paying tuition, maintenance fee and other fees, a book allowance, and a taxfree 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

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and Appreciation

Music Theory and Composition (MUTC)

Sacred Music (MUSA)

## College of Education

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

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 Computer Engineering Technology(CETH) 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.

#### 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 Paralegal Studies (LEGL) 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.
- 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.

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

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

Experiential Learning (UNIV) Family and Consumer Science (CSED) University College (UNIV)

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY)

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Campus Directory	Naval Science	
Calendar 2008 - 2009	The Department of Naval Science provides a four-year program of instruction leading to a	Course Descriptions
Degree Program and Planning	commission as an officer in the U.S. Navy or Marine Corps. The program is known as the Naval Reserve Officer Training Corps (NROTC) and is voluntary in that students may withdraw from the program at any time during the freshman year. At the start of the sophomore year, scholarship	College of Arts and Sciences
Description of the University	NROTC students enter into an agreement with the Department of the Navy that specifies active duty service after college work is completed.	Aerospace Studies (AERO) African and African American Studies (AAAS
Services to Students	REQUIREMENTS	Anthropology (ANTH)
Expenses	REQUIREMENTS	Biology (BIOL)
Academic Regulations	The general requirements for enrollment in the NROTC College Program are to:	Chemistry (CHEM)
Graduation from the University	1. be a citizen of the United States	Computer Science (COMP) Criminology and Criminal Justice (CJUS) Earth Sciences (ESCI)
Colleges and Degree Programs	2. be physically qualified	English (ENGL) Health Administration (HADM) History (HIST)
Course Descriptions	3. possess personal characteristics and potential requisite to be a Naval/Marine Corps Officer	Interdisciplinary Studies (INTD)
Faculty and Staff	4. not be a conscientious objector	International Studies (INTL) Judaic Studies (JDST)
Catalog Archive and University Links	5. meet other requirements as specified by the U.S. Navy.	Mathematics (MATH) Military Science (ARMY)
Class Offerings	THE FOUR-YEAR PROGRAM	Naval Science (NAVY) Philosophy (PHIL) Physics (PHYS)
Search the catalog:	The four-year program is geared to students who enter the NROTC program as freshmen. Students are introduced to the field of naval science, which encompasses a broad variety of subjects ranging from basic seamanship to fleet operations. Topics covered during the first half of the four-year program include principles of naval ships systems, naval leadership and management, seapower, and maritime affairs. The second half of the four year program (junior and senior years) is devoted to navigation and naval operations, naval weaponry, naval	Political Science (POLS) Open Learning Fire Services Program (PADM Public and Nonprofit Administration (PADM Psychology (PSYC) Social Work (SWRK) Sociology (SOCI)
*spectrum	leadership and ethics, and, for Marine Corps Option Students, Amphibious Warfare and a study of warfare through the ages. In addition to specified courses, students will also meet with their NROTC unit weekly for orientation experiences to service life. Four-week summer training cruises are also part of the naval science program.	Statistics (MATH) Women's Studies (WMST)  Foreign Languages and Literatures
	THE TWO-YEAR PROGRAM	Arabic (ARAB)
	The two-year program is for interested students who are eligible and qualify to participate in	Chinese (CHIN) Classics (CLAS)

NROTC in their junior and senior years. Students should apply for enrollment through the Professor of Naval Science before the spring semester of the sophomore year. If accepted into the two-year program, students will attend the six-week Naval Science Institute at Newport, Rhode Island, during the summer between the sophomore and junior years. Upon return to campus, students will participate in the NROTC program.

#### NAVAL SCIENCES MINOR

Completion of 18 semester hours in the following: NAVY 1101, 1105, 2401, 4402 (9 hours total); and select three courses from the following electives: NAVY 2205, 3301, 3302, 3310, 4207, 4410. Russian (RUSS)

#### FINANCIAL BENEFITS AND NROTC SCHOLARSHIPS

All NROTC students receive required uniforms and naval science textbooks when they begin the program as freshmen. In their junior year as two-year program students, they will also receive a tax-free subsistence allowance of \$200 a month. NROTC scholarship students will also receive tuition, cost of textbooks, instructional fees and \$200 a month. Students receive pay and are reimbursed for associated travel expense while participating in summer training experiences. Students interested in the Naval ROTC programs should contact the Professor of Naval Science.

French (FREN)

German (GERM)

Greek (GREK)

Hebrew (HEBR)

Italian (ITAL)

Japanese (JAPN)

Languages and Literature (LALI)

Latin (LATN)

Portuguese (PORT)

Spanish (SPAN)

## Fogelman College of Business and **Economics**

Accountancy (ACCT)

Business Administration (BA)

Decision Sciences (ISDS)

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)

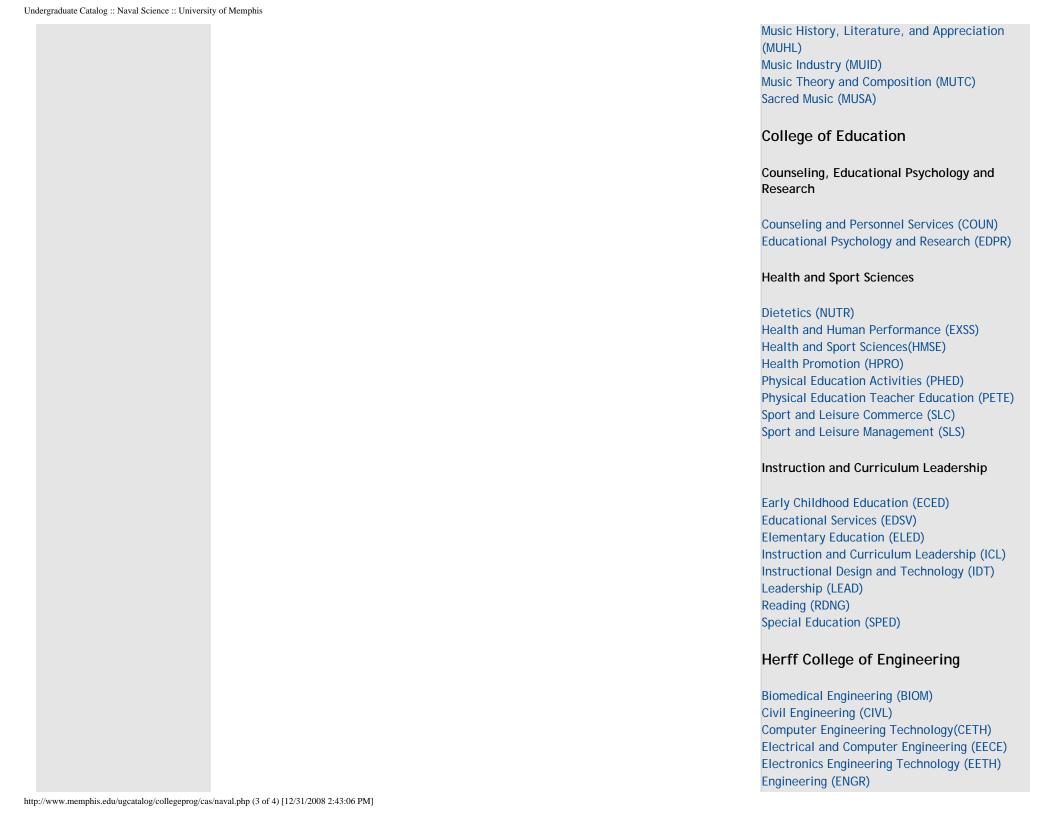
#### Music

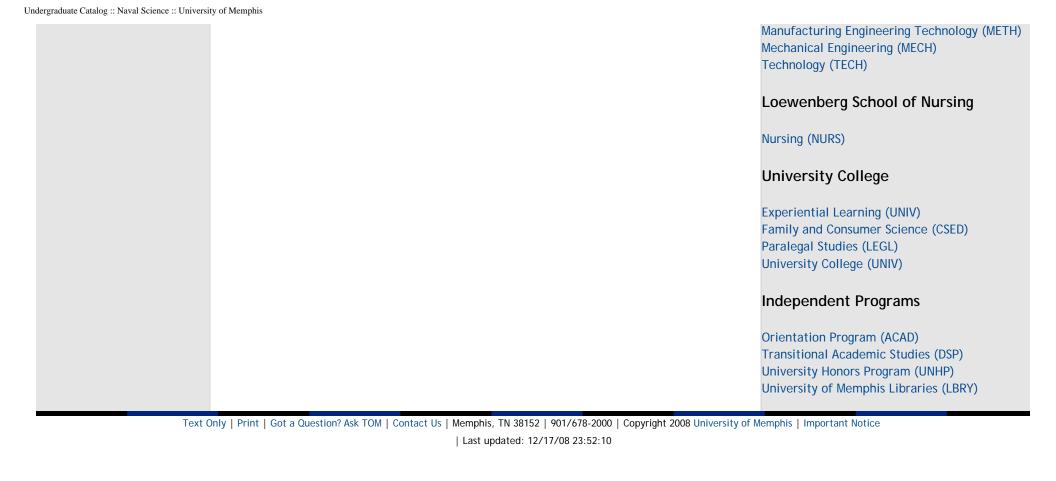
Applied Music (MUAP)

Jazz and Studio Ensembles (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)







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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://fcbe.memphis.edu/modules/general/index.php

V. Carol Danehower, D.B.A.

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

Organization of the College

**General Requirements** 

**Academic Programs** 

Apply Now <



Mission and Objectives of the **Undergraduate Program** Organization of the College **General Requirements Academic Programs B.B.A.** Degree Requirements **Academic Advising Residence Requirements Enrollment Priority** Minor **Transfer Credit** Intent to Graduate

**Honors Program** 

**Academic Department Requirements** for Majors and Minors

**Accounting Business Economics Finance** Hospitality and Resort Management **International Business** Logistics/Supply Chain Management Management

**Management Information Systems B.B.A.** Degree Requirements **Marketing Management** Sales **Academic Advising** Residence Requirements **Enrollment Priority** Minor **Transfer Credit** Intent to Graduate **Honors Program** Academic Department Requirements for Majors and Minors Accounting **Business Economics Finance** Hospitality and Resort Management **International Business** Logistics/Supply Chain Management Management **Management Information Systems** Marketing Management Sales

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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: (a) to obtain knowledge of the cultural, global, and ethical environment of business; (b) to appreciate the impact of business decisions on society; (c) to understand the role of information technology and proficiency in relevant computer applications; (d) to possess the ability to integrate knowledge from different disciplines to define problems and research solutions; (e) to possess critical thinking and decision-making skills essential to solving business problems; (f) to obtain effective oral and written communication skills; (g) the ability to contribute effectively within a team environment and the foundation knowledge in each functional area of business; (h) to acquire relevant technical accounting skills and ability to utilize related computer technology.

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) and ECON 2110 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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

, .		
2120 (Social/Behavioral Sciences require	ement) are specified for the B.B.A. degree.	Women's Studies (WMST)
B. College and Degree (B.B.A.) Require	ements (42 hours)	Foreign Languages and Literatures
Lower Division Business Core Curriculum	n (15 hours)	Arabic (ARAB)
N		Chinese (CHIN)
ECON 2120 and the following lower divisions	for accounting majors) in MATH 1830 or 1910, ECON 2110,	French (FREN)
ECON 2120 and the following lower divis	Sion Courses	German (GERM)
ACCT 2010 Fundamentals of Accounting	1 (3)	Greek (GREK)
3		Hebrew (HEBR)
ACCT 2020 Fundamentals of Accounting	II (3)	Italian (ITAL)
		Japanese (JAPN)
ISDS 2710 Business Statistics (3)		Languages and Literature (LALI)
		Latin (LATN)
MIS 2749 Introduction to Business Micro	computer Applications (3)	Portuguese (PORT) Russian (RUSS)
		Spanish (SPAN)
MIS 2755 Introduction to Management Ir	nformation Systems (3)	Spanish (St Alv)
Upper Division Business Core Curriculum	27 hours)	Fogelman College of Business and
opper Division business core curriculum	1 (27 Hours)	Economics
No grade below "C" and 2.25 GPA in the	following courses:	
g- and action of anna 2.20 cmm in the		Accountancy (ACCT)
ACCT 3130 Legal, Social, and Political E	nvironment of Business (3)	Business Administration (BA)
, and the second		Decision Sciences (ISDS)
FIR 3410 Business Finance (3)		Economics (ECON)
		Finance, (FIR)
MGMT 3110 Organization and Manageme	ent (3)	Hospitality and Resort Management (HPRM)
		Management Information Systems (MIS) Management (MGMT)
MGMT 4710 Strategic Management (3) (F	Enrollment usually limited to graduating seniors)	Marketing (MKTG)
N/TO 0040 D. I. I. I. S.M. I. II. (0)		marketing (with 5)
MKTG 3010 Principles of Marketing (3)		College of Communication and Fine
MGMT 3510 Business Communication (3)		Arts
WOWIT 33 TO Dusiness Communication (3)		
ISDS 3510 Production and Operations Ma	anagement (3)	Architecture (ARCH)
		Art (ART)
ISDS 3711 Analytical Tools for Business [	Decisions (3)	Art History (ARTH)
		Communication (COMM)
Choose One:		Communication/Fine Arts (CCFA)
		Dance (DANC) Interior Design (IDES)
	(3); MKTG 4530 International Marketing (3); ECON 4350	Journalism (JOUR)
	nternational Finance (3); MGMT 4510 International	Theatre (THEA)
pusiness communication and negotiatio	n (3); MKTG 4570 Global Transportation, Tourism and	

Electronic Commerce (3); HPRM 4400 International Hospitality (3); MIS 4310 Global Information Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course Music 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 (15 hours): ACCT 2010, 2020, 3110, 3310; plus one of the following: 3120, 3510.

For students whose major is in a department in The Fogelman College of Business and Economics Health and Human Performance (EXSS) (12 hours): ACCT 3110, 3120, 3310, 3510.

#### Typical 4-Year Accounting Sequence:

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
Humanities*	3	Humanities*	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	14-16 hrs		16 hrs

#### Sophomore Year

Applied Music (MUAP)

Jazz and Studio Ensembles (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

Counseling, Educational Psychology and Research

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

#### **Health and Sport Sciences**

Dietetics (NUTR)

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

ACCT 2010		3	ACCT	20	)20	3	
ENGL 2201 or	r 2202	3	MIS 2	275!	5	3	
History*		3	Histo	ry*		3	
ECON 2110		3	ECON	<b>l</b> 21	120	3	
ISDS 2710		3	COMI	M 2	381	3	
Semester Tot	tals	15 h	rs			15 hrs	
Junior Year							
ACCT 3110	3	ı	ACCT 312	20	3		
ACCT 3130	3	I	ACCT 331	0	3		
ISDS 3711	3	F	FIR 3410		3		
MGMT 3110	3	ľ	MGMT 35	10	3		
MKTG 3010	3	I	ACCT 301	1	3		
Semester Tot	tals 15	hrs			15 hrs		
Senior Year							
ACCT 3510	3	ACCT	4240	3			
ACCT 4020	3	ACCT elect		3			
Elective	3	Intl B elect	usiness ive	3			
ISDS 3510	3	MGM	Γ 4710	3			
Elective	3	ACCT Elect		3			
Semester Totals	15 hrs			15 hr			
Total Hours: 1	20-122						
Total Hours Re	Total Hours Required for Graduation: 120						
*Must satisfy University General Education Program Requirement							

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY) Undergraduate Catalog :: Accounting :: University of Memphis

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## **Business Economics**

#### Department of Economics

The Business Economics program has two major objectives. The first objective is to provide majors and minors with a solid foundation and the analytical and critical thinking skills needed to make effective decisions.

The second objective is to promote and develop economic literacy in other student populations in the Fogelman College of Business and Economics, the University of Memphis and the local and regional community.

Economic literacy and the application of economic thinking to the everyday world realizes the program's goal of providing these populations with the tools to make more effective personal and public choices. Program objectives for the B.B.A. in Business Economics are: (a) to obtain knowledge of the cultural, global, and ethical environment of business; (b) to appreciate the impact of business decisions on society; (c) to understand the role of information technology and proficiency in relevant computer applications; (d) to possess the ability to integrate knowledge from different disciplines to define problems and research solutions; (e) to possess critical thinking and decision-making skills essential to solving business problems; (f) to obtain effective oral and written communication skills; (g) the ability to contribute effectively within a team environment and the foundation knowledge in each functional area of business; (h) to acquire a solid background in economic theory and analysis and the ability to identify and convey real-world economic issues.

#### Certificate in Data Analysis and Programming Using SAS® Software

SAS® (Statistical Analysis Software) certificate program is open to all undergraduate students, and consists of the following three-course sequence. The program is designed to prepare students for the data analysis and programming needs of major employers, as well as the needs of students entering graduate school in a wide variety of disciplines.

ECON 4510 Introduction to Data Structures and Cleaning (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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

	Women's Studies (WMST)
ECON 4520 Programming Concepts and Techniques (3)	
	Foreign Languages and Literatures
ECON 4530 From Data to Information (3)	
	Arabic (ARAB)
Business Economics Major (B.B.A.)	Chinese (CHIN)
Submoss Economics major (S.S.r.)	Classics (CLAS)
	French (FREN)
A. Offiversity deficial Education Program (41 flours)	German (GERM)
Soo Craduation from the University for the University Coneral Education Program	Greek (GREK)
See Graduation from the University for the University General Education Program	Hebrew (HEBR)
requirements. Note that MATH 1830 or 1910 (Mathematics requirement) and ECON 2110 and 2120 (Social/Behavioral Sciences requirement) are specified for the B.B.A. degree.	Italian (ITAL)
2120 (30ciai) Denaviolai Sciences reguirement) are specified for the D.D.A. degree.	Japanese (JAPN)
	Languages and Literature (LALI)
D. COHEGE AND DEGLEE (D.D.A.) REGULLEMENTS (42 NOULS)	Latin (LATN)
	Portuguese (PORT)
Lower Division Business Core Curriculum (15 hours)	Russian (RUSS)
	Spanish (SPAN)
No grade below "C" and 2.25 GPA (2.5 for accounting majors) in MATH 1830 or 1910, ECON 2110,	opariisi (or /iiv)
ECON 2120 and the following lower division courses	Fogolman Callage of Business and
	Fogelman College of Business and
ACCT 2010 Fundamentals of Accounting I (3)	Economics
ACCT 2020 Fundamentals of Accounting II (3)	Accountancy (ACCT)
	Business Administration (BA)
ISDS 2710 Business Statistics (3)	Decision Sciences (ISDS)
	Economics (ECON)
MIS 2749 Introduction to Business Microcomputer Applications (3)	Finance, (FIR)
	Hospitality and Resort Management (HPRM)
MIS 2755 Introduction to Management Information Systems (3)	Management Information Systems (MIS)
	Management (MGMT)
Upper Division Business Core Curriculum (27 hours)	Marketing (MKTG)
opper bivision business done durneurum (27 hours)	
No grade below "C" and 2.25 GPA in the following courses:	College of Communication and Fine
No grade below C and 2.25 GFA in the following codises.	Arts
ACCT 3130 Legal, Social, and Political Environment of Business (3)	Architecture (ARCH)
	Art (ART)
TIN 34 TO DUSTITIESS THICHICE (3)	Art History (ARTH)
	Communication (COMM)
MGMT 3110 Organization and Management (3)	Communication/Fine Arts (CCFA)
	Dance (DANC)
MGMT 4710 Strategic Management (3) (Enrollment Usually limited to draduating seniors)	
	Interior Design (IDES) Journalism (JOUR)
W(TO 0040 D.	
MKTG 3010 Principles of Marketing (3)	Theatre (THEA)

MGMT 3510 Business Communication (3)

ISDS 3510 Production and Operations Management (3)

ISDS 3711 Analytical Tools for Business Decisions (3)

Choose One:

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); MKTG 4570 Global Transportation, Tourism and Electronic Commerce (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 course (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

All students who receive a minimum grade of B (3.0) in ECON 2110 or 2120 honors sections are eligible for the program. Entry to the program can also be obtained through the recommendation of a member of the faculty to the Department of Economics Honors Committee. A student must maintain a grade point average of at least 3.25 in economics to continue in the program and must have a minimum grade point average of 3.5 in economics to

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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

graduate with honors in economics. Honor students write a senior research paper. At commencement they are awarded the special distinction "With Honors in Economics." Details of the program are available at the department office.

#### **Business Economics Minor**

For students whose major is in another college of the University: 18 semester hours in economics courses, including ECON 2110, 2120, and 12 additional upper division hours in courses Manufacturing Engineering Technology (METH) as approved by the department chair.

For students whose major is in another department in The Fogelman College of Business and Economics: Nine additional upper division hours in economics approved by the department chair. Loewenberg School of Nursing

## Typical 4-Year Business Economics Sequence:

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
Humanities*	3	Humanities*	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	14-16 hrs		16 hrs

## Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202	3	MIS 2755	3
History*	3	History*	3
ECON 2110	3	ECON 2120	3
ISDS 2710	3	COMM 2381	3
Semester Totals	15 hrs		15 hrs

#### Junior Year

ECON 3310	3	ECON 3320	3
ACCT 3130	3	ECON elective	3

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

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY)

ISDS 3711	3	FIR 3410	3	
MGMT 3110	3	MGMT 3510	3	
MKTG 3010	3	Elective	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 el	ective	3

ECON Elective 3 3 Semester Totals 15 hrs 15 hrs

Total Hours: 120-122

ISDS 3510

Total Hours Required for Graduation: 120

3

\*Must satisfy University General Education Program Requirement

MGMT 4710

Elective

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inance

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: (a) to obtain knowledge of the cultural, global, and ethical environment of business; (b) to appreciate the impact of business decisions on society; (c) to understand the role of information technology and proficiency in relevant computer applications; (d) to possess the ability to integrate knowledge from different disciplines to define problems and research solutions; (e) to possess critical thinking and decision-making skills essential to solving business problems; (f) to obtain effective oral and written communication skills; (g) the ability to contribute effectively within a team environment and the foundation knowledge in each functional area of business; (h) to acquire a solid background in financial theory and techniques.

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) and ECON 2110 and 2120 (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 (15 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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

No grade below "C" and 2.25 GPA (2.5 for accounting majors) in MATH 1830 or 1910, ECON 2110, Women's Studies (WMST) ECON 2120 and the following lower division courses Foreign Languages and Literatures ACCT 2010 Fundamentals of Accounting I (3) Arabic (ARAB) ACCT 2020 Fundamentals of Accounting II (3) Chinese (CHIN) Classics (CLAS) ISDS 2710 Business Statistics (3) French (FREN) German (GERM) MIS 2749 Introduction to Business Microcomputer Applications (3) Greek (GREK) Hebrew (HEBR) Italian (ITAL) MIS 2755 Introduction to Management Information Systems (3) Japanese (JAPN) Languages and Literature (LALI) Upper Division Business Core Curriculum (27 hours) Latin (LATN) Portuguese (PORT) No grade below "C" and 2.25 GPA in the following courses: Russian (RUSS) Spanish (SPAN) ACCT 3130 Legal, Social, and Political Environment of Business (3) Fogelman College of Business and FIR 3410 Business Finance (3) **Economics** MGMT 3110 Organization and Management (3) Accountancy (ACCT) Business Administration (BA) MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors) Decision Sciences (ISDS) Economics (ECON) MKTG 3010 Principles of Marketing (3) Finance, (FIR) Hospitality and Resort Management (HPRM) MGMT 3510 Business Communication (3) Management Information Systems (MIS) Management (MGMT) ISDS 3510 Production and Operations Management (3) Marketing (MKTG) ISDS 3711 Analytical Tools for Business Decisions (3) College of Communication and Fine Arts Choose One: Architecture (ARCH) MGMT 4810 International Management (3); MKTG 4530 International Marketing (3); ECON 4350 Art (ART) International Economics (3); FIR 4550 International Finance (3); MGMT 4510 International Business Communication and Negotiation (3); MKTG 4570 Global Transportation, Tourism and Art History (ARTH) Electronic Commerce (3); HPRM 4400 International Hospitality (3); MIS 4310 Global Information Communication (COMM) Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course Communication/Fine Arts (CCFA) from FIR 4110-4119 (3) when the topic pertains to international business and has been approved Dance (DANC) in advance by the department chair. Interior Design (IDES) Journalism (JOUR) Transfer students are referred to the section Transfer Credit in the College of Business and Theatre (THEA)

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, 3720, 4440, and one of the following concentrations.
- 2. Concentrations (15 hours)
- Banking and Financial Services: FIR 4710, 4720, 4911, and 6 hours from ECON 3610, FIR 3310, 3810, 4011, 4310, 4320, 4350, 4610, 4810, 4870
- b. Business Finance: FIR 4610 and 12 hours from the following: at least three courses from FIR 3770, 4550, 4710, 4720, 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.

## **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 department chair.

For students whose major is within another college of the University: (24 hours) ACCT 2010 and 2020; ECON 2110, 2120, 3610; FIR 3410, 3710. Three additional upper division hours approved by the department chair.

#### Real Estate Minor

For students whose major is in another department in The Fogelman College of Business and Economics: (9 hours) FIR 3310, and six additional upper division hours in real estate approved by Reading (RDNG) the department chair.

For students whose major is within another college of the University: (21 hours) ACCT 2010,

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

Special Education (SPED)

## Herff College of Engineering

3011, 3130; ECON 2110; FIR 3310, and six additional upper division hours in real estate approved by the 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 department chair.

For students whose major is within another college of the University: (21 hours) ACCT 2010, 3011; ECON 2110; ISDS 2710; FIR 3810, 4870, and three additional upper division hours in insurance or finance approved by the department chair.

#### Typical 4-Year Banking and Financial Services Concentration Sequence:

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
Humanities*	3	Humanities*	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	14-16 hrs		16 hrs

#### Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	MIS 2755	3
History*	3	History*	3
ECON 2110	3	ECON 2120	3
ISDS 2710	3	COMM 2381	3
Semester Totals	15 hrs		15 hrs

#### Junior Year

FIR 3410	3 FIR 3710		3	
ACCT 3130	3	FIR 3720	3	

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY)

ISDS 3711	3	ISDS 3510	3
MGMT 3110	3	MGMT 3510	3
MKTG 3010	3	Elective	3
Semester Totals	15 hrs		15 hrs

## Senior Year

FIR 4440	3	FIR 4720	3
FIR 4710	3	FIR 4911	3
FIR elective	3	Elective	3
Elective	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
Natural Science*	4	Natural Science*	4
Humanities*	3	Humanities*	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830	3
Semester Totals	14-16 hrs		16 hrs

## Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	MIS 2755	3

of N	1emphis					
	History*	3	History*		3	
	ECON 2110	3	ECON 21	20	3	
	ISDS 2710	3	COMM 23	881	3	
	Semester Totals	15	hrs		15 hr:	S
	Junior Year					
	FIR 3410	3	FIR 3710	3		
	ACCT 3130	3	FIR 3720	3		
	ISDS 3711	3	ISDS 3510	3		
	MGMT 3110	3	MGMT 3510	3		
	MKTG 3010	3	Elective	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	ele	ective	3
	FIR elective	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

Natural Science*	4	Natural Science*	4		
Humanities*	3	Humanities*	3		
Elective	1-3	MIS 2749	3		
MATH 1710 (if needed)	3	MATH 1830	3		
Semester Totals	14-16 hrs		16 hrs		
Sophomore Year					

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	MIS 2755	3
History*	3	History*	3
ECON 2110	3	ECON 2120	3
ISDS 2710	3	COMM 2381	3
Semester Totals	15 hrs		15 hrs

## Junior Year

FIR 3410	3	FIR 3710	3
ACCT 3130	3	FIR 3720	3
ISDS 3711	3	ISDS 3510	3
MGMT 3110	3	MGMT 3510]	3
MKTG 3010	3	FIR 3310	3
Semester Totals	15 hrs		15 hrs

## Senior Year

FIR 4440	3	Elective	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

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
Natural Science*	4	Natural Science*	4
Humanities*	3	Humanities*	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830	3
Semester Totals	14-16 hrs		16 hrs

## Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	MIS 2755	3
History*	3	History*	3
ECON 2110	3	ECON 2120	3
ISDS 2710	3	COMM 2381	3
Semester Totals	15 hrs		15 hrs

### Junior Year

FIR 3410	3	FIR 3710	3
ACCT 3130	3	FIR 3720	3
ISDS 3711	3	ISDS 3510	3
MGMT 3110	3	MGMT 3510	3
Elective	3	FIR 3810	3
Semester Totals	15 hrs		15 hrs

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Nan	ınr	Year
JULI	w	1 5 41

FIR 4440	3	Major elective	3
Major elective	3	FIR 4870	3
MKTG 3010	3	Intl Business elective	3
Major elective	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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Hospitality and Resort Management

Department of Management

The primary goal of the Hospitality and Resort Management (HPRM) program is to produce graduates who have the knowledge and skills necessary for them to be successful in the increasingly competitive hospitality business environment. HPRM is committed to expanding the general business knowledge, specific hospitality skills, and overall technical competence of both students and faculty who matriculate and educate within this program. Program objectives for the B.B.A. in Hospitality and Resort Management are: (a) to obtain knowledge of the cultural, global, and ethical environment of business; (b) to appreciate the impact of business decisions on society; (c) to understand the role of information technology and proficiency in relevant computer applications; (d) to possess the ability to integrate knowledge from different disciplines to define problems and research solutions; (e) to possess critical thinking and decision-making skills essential to solving business problems; (f) to obtain effective oral and written communication skills; (g) the ability to contribute effectively within a team environment and the foundation knowledge in each functional area of business; (h) to acquire a solid background in the application of management theory and concepts to the hospitality business.

Hospitality and Resort 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) and ECON 2110 and 2120 (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 (15 hours)

No grade below "C" and 2.25 GPA (2.5 for accounting majors) in MATH 1830 or 1910, ECON 2110,

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

r riysics (r rrrs)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

ECON 2120 and the following lower division courses Women's Studies (WMST) ACCT 2010 Fundamentals of Accounting I (3) Foreign Languages and Literatures ACCT 2020 Fundamentals of Accounting II (3) Arabic (ARAB) Chinese (CHIN) ISDS 2710 Business Statistics (3) Classics (CLAS) French (FREN) German (GERM) MIS 2749 Introduction to Business Microcomputer Applications (3) Greek (GREK) Hebrew (HEBR) MIS 2755 Introduction to Management Information Systems (3) Italian (ITAL) Japanese (JAPN) Upper Division Business Core Curriculum (27 hours) Languages and Literature (LALI) Latin (LATN) No grade below "C" and 2.25 GPA in the following courses: Portuguese (PORT) Russian (RUSS) ACCT 3130 Legal, Social, and Political Environment of Business (3) Spanish (SPAN) FIR 3410 Business Finance (3) Fogelman College of Business and **Economics** MGMT 3110 Organization and Management (3) Accountancy (ACCT) MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors) Business Administration (BA) Decision Sciences (ISDS) MKTG 3010 Principles of Marketing (3) Economics (ECON) Finance, (FIR) MGMT 3510 Business Communication (3) Hospitality and Resort Management (HPRM) Management Information Systems (MIS) ISDS 3510 Production and Operations Management (3) Management (MGMT) Marketing (MKTG) ISDS 3711 Analytical Tools for Business Decisions (3) College of Communication and Fine Choose One: Arts MGMT 4810 International Management (3); MKTG 4530 International Marketing (3); ECON 4350 Architecture (ARCH) International Economics (3); FIR 4550 International Finance (3); MGMT 4510 International Art (ART) Business Communication and Negotiation (3); MKTG 4570 Global Transportation, Tourism and Electronic Commerce (3); HPRM 4400 International Hospitality (3); MIS 4310 Global Information Art History (ARTH) Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course Communication (COMM) from FIR 4110-4119 (3) when the topic pertains to international business and has been approved Communication/Fine Arts (CCFA) in advance by the department chair. Dance (DANC) Interior Design (IDES) Transfer students are referred to the section Transfer Credit in the College of Business and Journalism (JOUR) Economics description. Theatre (THEA)

#### C. The Major (28 hours)

No grade below "C" and a minimum 2.25 GPA in the major.

A minimum of 25 semester hours including HPRM 2010, 2050, 3330, 4111 (1), 4315, 4320, 4400, 4600, 4700, and additional 3 hours selected with the approval of the advisor from: HPRM 2003 (1), 2004 (1), 2006 (1), 2007 (1), 2999 (1), 3010, 3600, 4322, 4331, 4340, 4350, 4401, 4910 (1-6).

#### D. Electives (12 hours)

Lower division or upper division courses to bring the total of hours earned to 120. CSED 2301 is suggested as an elective.

#### Typical 4-Year Hospitality and Resort Management Sequence:

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
Humanities*	3	HPRM 2050	3
HPRM 2010	3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	16 hrs		16 hrs

#### Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	MIS 2755	3
Humanities*	3	Elective	3
ECON 2110	3	ECON 2120	3
ISDS 2710	3	COMM 2381	3
Semester Totals	15 hrs		15 hrs

#### Junior Year

HPRM 3330 3 HPRM 4315 3

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

HPRM 4400	3	HPRM 4320	3
ISDS 3711	3	FIR 3410	3
MGMT 3110	3	ACCT 3130	3
MKTG 3010	3	MGMT 3510	3
Semester Totals	15 hrs		15 hrs

#### Senior Year

HPRM 4111	1	HPRM 4700	3
HPRM elective	3	HPRM 4600	3
Elective	3	History*	3
ISDS 3510	3	MGMT 4710	3
History*	3	Elective	3
Semester Totals	13 hrs		15 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

\*Must satisfy University General Education Program Requirement

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

### Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

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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: (a) to obtain knowledge of the cultural, global, and ethical environment of business; (b) to appreciate the impact of business decisions on society; (c) to understand the role of information technology and proficiency in relevant computer applications; (d) to possess the ability to integrate knowledge from different disciplines to define problems and research solutions; (e) to possess critical thinking and decision-making skills essential to solving business problems; (f) to obtain effective oral and written communication skills; (g) the ability to contribute effectively within a team environment and the foundation knowledge in each functional area of business; (h) a solid background in the business issues, challenges, and opportunities in international business.

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) and ECON 2110 and 2120 (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 (15 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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Willtary Science (AKWI)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Women's Studies (WMST) No grade below "C" and 2.25 GPA (2.5 for accounting majors) in MATH 1830 or 1910, ECON 2110, ECON 2120 and the following lower division courses Foreign Languages and Literatures ACCT 2010 Fundamentals of Accounting I (3) Arabic (ARAB) Chinese (CHIN) ACCT 2020 Fundamentals of Accounting II (3) Classics (CLAS) French (FREN) ISDS 2710 Business Statistics (3) German (GERM) Greek (GREK) MIS 2749 Introduction to Business Microcomputer Applications (3) Hebrew (HEBR) Italian (ITAL) MIS 2755 Introduction to Management Information Systems (3) Japanese (JAPN) Languages and Literature (LALI) Upper Division Business Core Curriculum (27 hours) Latin (LATN) Portuguese (PORT) No grade below "C" and 2.25 GPA in the following courses: Russian (RUSS) Spanish (SPAN) ACCT 3130 Legal, Social, and Political Environment of Business (3) Fogelman College of Business and FIR 3410 Business Finance (3) **Economics** MGMT 3110 Organization and Management (3) Accountancy (ACCT) Business Administration (BA) MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors) Decision Sciences (ISDS) **Economics (ECON)** MKTG 3010 Principles of Marketing (3) Finance, (FIR) Hospitality and Resort Management (HPRM) MGMT 3510 Business Communication (3) Management Information Systems (MIS) Management (MGMT) ISDS 3510 Production and Operations Management (3) Marketing (MKTG) ISDS 3711 Analytical Tools for Business Decisions (3) College of Communication and Fine Arts Choose One: Architecture (ARCH) MGMT 4810 International Management (3); MKTG 4530 International Marketing (3); ECON 4350 Art (ART) International Economics (3); FIR 4550 International Finance (3); MGMT 4510 International Art History (ARTH) Business Communication and Negotiation (3); MKTG 4570 Global Transportation, Tourism and Communication (COMM) Electronic Commerce (3); HPRM 4400 International Hospitality (3); MIS 4310 Global Information Communication/Fine Arts (CCFA) Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course Dance (DANC) from FIR 4110-4119 (3) when the topic pertains to international business and has been approved Interior Design (IDES) in advance by the department chair.

Journalism (JOUR)
Theatre (THEA)

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; ISDS 4510, 4511; MGMT 4510, 4810; MKTG 3610, 4080, 4470, 4530.

#### 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; ISDS 4510, 4511; MGMT 4510, 4810; MKTG 3610, 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; ISDS 4510, 4511; MGMT 4510, 4810; MKTG 3610, 4080, 4470, 4530; ECON 4350 (ECON 2120); ECON 4351 (ECON 2110); FIR 3720 (FIR 3410), FIR 4440 (3410), FIR 4550 (FIR 3410); ISDS 4510 (MGMT 3110, ISDS 3510, MKTG 3610); MGMT 4510 (MGMT 3510); MGMT 4810 (MGMT 3110, 3510); MKTG 4080 (ISDS 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 2110, 2120; ISDS 2710, MIS 2749; FIR 3410; MGMT 3110; MKTG 3010. Accounting, economics, and junior standing are prerequisites for 3000 level courses.

#### Typical 4-Year International Business Sequence:

#### Freshman Year

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
Foreign Language	3	Foreign Language	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	14-16 hrs		16 hrs

#### Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	MIS 2755	3
Foreign Language	3	Foreign Language	3
ECON 2110	3	ECON 2120	3
ISDS 2710	3	COMM 2381	3
Semester Totals	15 hrs		15 hrs

#### Junior Year

MGMT 3510	3	ISDS 3510	3
ACCT 3130	3	MKTG 3010	3
ISDS 3711	3	Elective	3
MGMT 3110	3	Humanities*	3
Humanities*	3	FIR 3410	3
Semester Totals	15 hrs		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

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY) Undergraduate Catalog :: International Business :: University of Memphis

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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Logistics/Supply Chain Management

Department of Marketing and Supply Chain Management

Logistics/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 Logistics/Supply Chain Management are: (a) to obtain knowledge of the cultural, global, and ethical environment of business; (b) to appreciate the impact of business decisions on society; (c) to understand the role of information technology and proficiency in relevant computer applications; (d) to possess the ability to integrate knowledge from different disciplines to define problems and research solutions; (e) to possess critical thinking and decision-making skills essential to solving business problems; (f) to obtain effective oral and written communication skills; (g) the ability to contribute effectively within a team environment and the foundation knowledge in each functional area of business; (h) to acquire a solid background in the process of logistics management and understanding of the numerous distribution functions.

Logistics/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) and ECON 2110 and 2120 (Social/Behavioral Sciences requirement) are specified for the B.B.A. degree.

B. College and Degree (B.B.A.) Requirements (42 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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Lower Division Business Core Curriculum (15 hours)	Women's Studies (WMST)
No grade below "C" and 2.25 GPA (2.5 for accounting majors) in MATH 1830 or 1910, ECON 2110, ECON 2120 and the following lower division courses	Foreign Languages and Literatures
ACCT 2010 Fundamentals of Accounting I (3)	Arabic (ARAB) Chinese (CHIN)
ACCT 2020 Fundamentals of Accounting II (3)	Classics (CLAS) French (FREN) German (GERM)
ISDS 2710 Business Statistics (3)	Greek (GREK) Hebrew (HEBR)
MIS 2749 Introduction to Business Microcomputer Applications (3)	Italian (ITAL) Japanese (JAPN)
MIS 2755 Introduction to Management Information Systems (3)	Languages and Literature (LALI) Latin (LATN)
Upper Division Business Core Curriculum (27 hours)	Portuguese (PORT) Russian (RUSS) Conside (CDAN)
No grade below "C" and 2.25 GPA in the following courses:	Spanish (SPAN)  Foreign College of Business and
ACCT 3130 Legal, Social, and Political Environment of Business (3)	Fogelman College of Business and Economics
FIR 3410 Business Finance (3)  MGMT 3110 Organization and Management (3)	Accountancy (ACCT) Business Administration (BA)
MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors)	Decision Sciences (ISDS) Economics (ECON)
MKTG 3010 Principles of Marketing (3)	Finance, (FIR) Hospitality and Resort Management (HPRM)
MGMT 3510 Business Communication (3)	Management Information Systems (MIS) Management (MGMT) Marketing (MKTG)
ISDS 3510 Production and Operations Management (3)	College of Communication and Fine
ISDS 3711 Analytical Tools for Business Decisions (3)	Arts
Choose One:	Architecture (ARCH) Art (ART)
	Art History (ARTH) Communication (COMM) Communication/Fine Arts (CCFA) Dance (DANC) Interior Design (IDES) Journalism (JOUR) Theatre (THEA)

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: MKTG 3610, 3620, 3650, ISDS 4510, 4511 and one course chosen by the student from MGMT 3215, MIS 3885, METH 4381. The remaining six semester hours chosen by the student from the following coursees: MKTG 4470, 4911, ISDS 3760, 4512, MGMT 4420, 4510, MIS 4310, METH 4462, 4464, 4466.

#### D. Electives (13 hours)

Lower division or upper division courses to bring the total of hours earned to 120.

#### Logistics/Supply Chain Management Minor

For students whose major is in another college of the University (27 hours): MKTG 3010, 3610, 3620, 3650, ISDS 3510, 3711, 4510, 4511, and one course chosen by the student form MGMT 3215, MIS, 3885, METH 4381.

For students whose major is in another department in the Fogelman College of Business and Economics (15 hours): MKTG 3610, 3620, 3650, ISDS 4511 and 3 semester hours chosen by the student from the following: MKTG 4470, ISDS 3760, 4510, 4512, MIS 4760.

#### Typical 4-Year Logistics/Supply Chain Management Sequence:

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
Humanities*	3	Humanities*	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	14-16 hrs		16 hrs

#### Sophomore Year

#### Music

Applied Music (MUAP) Jazz and Studio Ensembles (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

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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ACCT 2010		3	AC	CT 20	20	3	
ENGL 2201 or 220	)2*	3	MI	S 2755		3	
History*		3	Hi	story*		3	
ECON 2110		3	EC	ON 21	20	3	
ISDS 2710		3	CC	DMM 23	881	3	
Semester Totals		15 hı	rs			15 hrs	
Junior Year							
MKTG 3610	3	ľ	MKTG	3620	3		
ISDS 3510	3	ľ	MKTG	3650	3		
ISDS 3711	3	ľ	MGMT	3510	3		
MGMT 3110	3	F	FIR 34	110	3		
MKTG 3010	3	E	Electi	ve	3		
Semester Totals	15	hrs			15	hrs	
Senior Year							
MGMT 3215, MIS 3885, or METH 4381		3		ACCT	313	0	3
ISDS 4510		3		ISDS 4	511		3
Major elective		3		Intl Bu	usin	ess elective	3
Major elective		3		MGMT	47	10	3
Elective		3		Electi	ve		3
Semester Totals Total Hours: 120-1	22	15	5 hrs				15 hrs
Total Hours Requir	red	for G	radua	ation:	120		
Must satisfy University General Education Program Requirement							

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY)



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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: (a) to obtain knowledge of the cultural, global, and ethical environment of business; (b) to appreciate the impact of business decisions on society; (c) to understand the role of information technology and proficiency in relevant computer applications; (d) to possess the ability to integrate knowledge from different disciplines to define problems and research solutions; (e) to possess critical thinking and decision-making skills essential to solving business problems; (f) to obtain effective oral and written communication skills; (g) to acquire the ability to contribute effectively within a team environment and the foundation knowledge in each functional area of business; (h) to acquire a solid background in management concepts, theories, and principles applicable to profit and notfor-profit organizations.

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 Open Learning Fire Services Program (PADM) 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

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

organizational setting and which will continue to be important in the future. In addition to Women's Studies (WMST) required core courses in management, students select among several more specialized courses to complete their majors. Foreign Languages and Literatures Management Major (B.B.A.) Arabic (ARAB) Chinese (CHIN) A. University General Education Program (41 hours) Classics (CLAS) French (FREN) See Graduation from the University for the University General Education Program German (GERM) requirements. Note that MATH 1830 or 1910 (Mathematics requirement) and ECON 2110 and Greek (GREK) 2120 (Social/Behavioral Sciences requirement) are specified for the B.B.A. degree. Hebrew (HEBR) Italian (ITAL) B. College and Degree (B.B.A.) Requirements (42 hours) Japanese (JAPN) Languages and Literature (LALI) Lower Division Business Core Curriculum (15 hours) Latin (LATN) Portuguese (PORT) No grade below "C" and 2.25 GPA (2.5 for accounting majors) in MATH 1830 or 1910, ECON 2110, Russian (RUSS) ECON 2120 and the following lower division courses Spanish (SPAN) ACCT 2010 Fundamentals of Accounting I (3) Fogelman College of Business and **Economics** ACCT 2020 Fundamentals of Accounting II (3) Accountancy (ACCT) ISDS 2710 Business Statistics (3) Business Administration (BA) Decision Sciences (ISDS) MIS 2749 Introduction to Business Microcomputer Applications (3) Economics (ECON) Finance, (FIR) MIS 2755 Introduction to Management Information Systems (3) Hospitality and Resort Management (HPRM) Management Information Systems (MIS) Upper Division Business Core Curriculum (27 hours) Management (MGMT) Marketing (MKTG) No grade below "C" and 2.25 GPA in the following courses: College of Communication and Fine ACCT 3130 Legal, Social, and Political Environment of Business (3) Arts FIR 3410 Business Finance (3) Architecture (ARCH) Art (ART) MGMT 3110 Organization and Management (3) Art History (ARTH) Communication (COMM) MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors) Communication/Fine Arts (CCFA) Dance (DANC) Interior Design (IDES) MKTG 3010 Principles of Marketing (3) Journalism (JOUR) Theatre (THEA) MGMT 3510 Business Communication (3)

ISDS 3510 Production and Operations Management (3)

ISDS 3711 Analytical Tools for Business Decisions (3)

Choose One:

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); MKTG 4570 Global Transportation, Tourism and Electronic Commerce (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 4240, 4251, 4260, 4461, 4510, 4810, 4820, 4910, 4110-19, 4911, a maximum of 6 hours from the following courses: HPRM 4315, HPRM 3330, HPRM 4350.

#### 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

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
Humanities*	3	Humanities*	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	14-16 hrs		16 hrs

### Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	MIS 2755	3
History*	3	History*	3
ECON 2110	3	ECON 2120	3
ISDS 2710	3	COMM 2381	3
Semester Totals	15 hrs		15 hrs

#### Junior Year

MGMT 3510	3	MGMT 4420	3
ACCT 3130	3	MGMT elective	3
ISDS 3711	3	FIR 3410	3
MGMT 3110	3	MGMT 3215	3
MKTG 3010	3	Elective	3
Semester Totals	15 hrs		15 hrs

#### Senior Year

M	GMT 4510 or 4810	3	MGMT elective	3
М	GMT elective	3	MGMT elective	3
М	GMT 4461	3	Intl Business elective	3
IS	DS 3510	3	MGMT 4710	3
ΕI	ective	3	Elective	3

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY) Undergraduate Catalog :: Management :: University of Memphis

Semester Totals 15 hrs 15 hrs

Total Hours: 120-122

Total Hours Required for Graduation: 120

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\*Must satisfy University General Education Program Requirement

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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: (a) to obtain knowledge of the cultural, global, and ethical environment of business; (b) to appreciate the impact of business decisions on society; (c) to understand the role of information technology and proficiency in relevant computer applications; (d) to possess the ability to integrate knowledge from different disciplines to define problems and research solutions; (e) to possess critical thinking and decision-making skills essential to solving business problems; (f) to obtain effective oral and written communication skills; (g) the ability to contribute effectively within a team environment and the foundation knowledge in each functional area of business; (h) to acquire the knowledge and skills required to organize and deliver information for effective management decision making.

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.)

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

A. University General Education Program (41 hours)	Women's Studies (WMST)
See Graduation from the University for the University General Education Program	Foreign Languages and Literatures
requirements. Note that MATH 1830 or 1910 (Mathematics requirement) and ECON 2110 and	
2120 (Social/Behavioral Sciences requirement) are specified for the B.B.A. degree.	Arabic (ARAB)
2120 (obelian beliavioral objetices requirement) and speciment of the B.B.M. degree.	Chinese (CHIN)
P. College and Dagge (P. A.) Daggingmants (42 hours)	Classics (CLAS)
B. College and Degree (B.A.) Requirements (42 hours)	French (FREN)
Lower Division Business Core Curriculum (15 hours)	German (GERM)
	Greek (GREK)
No grade below 6 and 2.25 of 7 (2.5 for decodiffing majors) in with 1000 of 1710, 2000 2110,	Hebrew (HEBR)
ECON 2120 and the following lower division courses	Italian (ITAL)
	Japanese (JAPN)
ACCT 2010 Fundamentals of Accounting I (3)	Languages and Literature (LALI)
	Latin (LATN)
ACCT 2020 Fundamentals of Accounting II (3)	Portuguese (PORT)
Took 2020 Farmanion and of Procediting II (o)	Russian (RUSS)
ISDS 2710 Business Statistics (3)	Spanish (SPAN)
isus 27 to business statistics (3)	
MIC 2740 later duration to Durings Missaccommuter Applications (2)	Fogelman College of Business and
MIS 2749 Introduction to Business Microcomputer Applications (3)	Economics
	Economics
MIS 2755 Introduction to Management Information Systems (3)	
	Accountancy (ACCT)
Upper Division Business Core Curriculum (27 hours)	Business Administration (BA)
	Decision Sciences (ISDS)
No grade below "C" and 2.25 GPA in the following courses:	Economics (ECON)
	Finance, (FIR)
ACCT 3130 Legal, Social, and Political Environment of Business (3)	Hospitality and Resort Management (HPRM)
	Management Information Systems (MIS)
FIR 3410 Business Finance (3)	Management (MGMT)
The State Dusiness Findrice (5)	Marketing (MKTG)
MONT 2110 Owner-test and Management (2)	
MGMT 3110 Organization and Management (3)	College of Communication and Fine
	Arts
MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors)	Al (S
MKTG 3010 Principles of Marketing (3)	Architecture (ARCH)
	Art (ART)
MGMT 3510 Business Communication (3)	Art History (ARTH)
	Communication (COMM)
ISDS 3510 Production and Operations Management (3)	Communication/Fine Arts (CCFA)
1000 00 10 1 10 audition and operations management (0)	Dance (DANC)
ISDS 2711 Analytical Tools for Pusinoss Decisions (2)	Interior Design (IDES)
ISDS 3711 Analytical Tools for Business Decisions (3)	Journalism (JOUR)
	Theatre (THEA)
	,

Choose One:

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); MKTG 4570 Global Transportation, Tourism and Electronic Commerce (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 upper division hours, including MIS 2845, 3770, 3775, 3790, 3885 and 4800. The additional six hours will be satisfied by two of the following: MIS 3755, 3780, 3820, 3821, 3886, 4310, 4760, 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, 2755, 2770, 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 3770, 3775, 3885, 3886.

For students whose major is within another college of the University (18 hours): MIS 2749, 2755, 3770, 3775, 3885, 3886.

### **Systems Testing Minor**

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

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, 2755, 2845, 3770, 3820, 3821.

#### Typical 4-Year Management Information Systems Sequence:

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
Humanities*	3	Humanities*	3
MIS 2755	3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	16 hrs		16 hrs

#### Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202*	3	MIS 2845	3
History*	3	History*	3
ECON 2110	3	ECON 2120	3
MIS 2770	3	ISDS 2710	3
Semester Totals	15 hrs		15 hrs

#### Junior Year

MIS 3770	3	Elective	1-3
MIS 3775	3	MIS 3790	3
ISDS 3711	3	FIR 3410	3
MGMT 3110	3	MKTG 3010	3
COMM 2381	3	Elective	3
Semester Totals	15 hrs		13-15 hrs

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

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Nan	ınr	Year
JULI	IUI	ı caı

MIS major elective	3	MIS major elective	3
ACCT 3130	3	MIS 4800	3
MIS 3885	3	Intl Business elective	3
MGMT 3510	3	MGMT 4710	3
Elective	3	ISDS 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

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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: (a) to obtain knowledge of the cultural, global, and ethical environment of business; (b) to appreciate the impact of business decisions on society; (c) to understand the role of information technology and proficiency in relevant computer applications; (d) to possess the ability to integrate knowledge from different disciplines to define problems and research solutions; (e) to possess critical thinking and decision-making skills essential to solving business problems; (f) to obtain effective oral and written communication skills; (q) the ability to contribute effectively within a team environment and the foundation knowledge in each functional area of business; (h) to acquire a solid background in the application of marketing concepts including promotion, pricing, distribution, and sales management strategies.

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) and ECON 2110 and 2120 (Social/Behavioral Sciences requirement) are specified for the B.B.A. degree.

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

B. College and Degree (B.B.A.) Requirements (42 hours)	Women's Studies (WMST)
Lower Division Business Core Curriculum (15 hours)	Foreign Languages and Literatures
No grade below "C" and 2.25 GPA (2.5 for accounting majors) in MATH 1830 or 1910, ECON 2110, ECON 2120 and the following lower division courses	Chinese (CHIN)
ACCT 2010 Fundamentals of Accounting I (3)	Classics (CLAS) French (FREN) German (GERM)
ACCT 2020 Fundamentals of Accounting II (3)	Greek (GREK) Hebrew (HEBR)
ISDS 2710 Business Statistics (3)	Italian (ITAL) Japanese (JAPN)
MIS 2749 Introduction to Business Microcomputer Applications (3)	Languages and Literature (LALI) Latin (LATN)
MIS 2755 Introduction to Management Information Systems (3)	Portuguese (PORT) Russian (RUSS)
Upper Division Business Core Curriculum (27 hours)	Spanish (SPAN)
No grade below "C" and 2.25 GPA in the following courses:	Fogelman College of Business and Economics
ACCT 3130 Legal, Social, and Political Environment of Business (3)	Accountancy (ACCT)
FIR 3410 Business Finance (3)	Business Administration (BA) Decision Sciences (ISDS)
MGMT 3110 Organization and Management (3)	Economics (ECON) Finance, (FIR)
MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors)	Hospitality and Resort Management (HPRM) Management Information Systems (MIS)
MKTG 3010 Principles of Marketing (3)	Management (MGMT) Marketing (MKTG)
MGMT 3510 Business Communication (3)	College of Communication and Fine
ISDS 3510 Production and Operations Management (3)	Arts
ISDS 3711 Analytical Tools for Business Decisions (3)	Architecture (ARCH) Art (ART)
Choose One:	Art History (ARTH) Communication (COMM)
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); MKTG 4570 Global Transportation, Tourism and Electronic Commerce (3); HPRM 4400 International Hospitality (3); MIS 4310 Global Information Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course	Communication/Fine Arts (CCFA) Dance (DANC) Interior Design (IDES) Journalism (JOUR) Theatre (THEA)

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: MKTG 3012, 3140, 3610, 4080, 4901, and either MKTG 3410 or 4470, and six semester hours chosen by the student from the following: MKTG 3320, 4230, 4240, 4530, 4911, 4920-29.

#### 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: (24 hours) ACCT 2010; ECON 2120; and MKTG 3010, 3012, 3140, 3610, and six semester hours chosen by the student from the following: MKTG 3320, 3410, 4230, 4240, 4470, 4530, 4920-29.

For students whose major is in another department in The Fogelman College of Business and Economics (12 hours): MKTG 3012, 3140, 3610, and three semester hours chosen by the student from the following: MKTG 3320, 3410, 4230, 4240, 4470, 4530, 4920-29.

#### Typical 4-Year Marketing Management Sequence:

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
Humanities*	3	Humanities*	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	14-16 hrs		16 hrs

#### Sophomore Year

#### Music

Applied Music (MUAP)
Jazz and Studio Ensembles (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

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)

University of Memphis							
ACCT 2010		3		ACCT 2020	3		
ENGL 2201 or 2202*		3		MIS 2755	3		
History*		3		History*	3		
ECON 2110		3		ECON 2120	3		
ISDS 2710		3		COMM 2381	3		
Semester Totals		15 l	nrs		15 hrs	6	
Junior Year							
MGMT 3510	3		MK	TG 3012		3	
ACCT 3130	3		MK	TG 3140		3	
ISDS 3711	3		MK	TG major ele	ective	3	
MGMT 3110	3		FIR	R 3410		3	
MKTG 3010	3		Ele	ective		3	
Semester Totals	15	hrs				15	hrs
Senior Year							
MKTG 3610		3		MKTG major	electiv	vе	3
MKTG 4080		3		MKTG 4901			3
MKTG 3410 or 44	70	3 Intl Business elective			3		
ISDS 3510		3		MGMT 4710			3
Elective		3		Elective			3
Semester Totals		15 hrs				15 hrs	
Total Hours: 120-1	22						
Total Hours Required for Graduation: 120							
*Must satisfy Unive	*Must satisfy University General Education Program Requirement						

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

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Transitional Academic Studies (DSP)
University Honors Program (UNHP)
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Sales

Department of Marketing and Supply Chain Management

The objective of the Sales program 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.

Sales majors are taught practical and theoretical sales and sales management skills. Particular emphasis is placed on interpersonal communication techniques and on the practical application of the marketing concepts as they apply to sales and sales management.

Program objectives for a B.B.A. in Sales are: (a) to obtain knowledge of the cultural, global, and ethical environment of business; (b) to appreciate the impact of business decisions on society; (c) to understand the role of information technology and proficiency in relevant computer applications; (d) to possess the ability to integrate knowledge from different disciplines to define problems and research solutions; (e) to possess critical thinking and decision-making skills essential to solving business problems; (f) to obtain effective oral and written communication skills; (g) the ability to contribute effectively within a team environment and the foundation knowledge in each functional area of business; (h) to acquire a knowledge of sales theory and concepts and the application of sales skills, emphasizing interpersonal communication.

Sales 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) and ECON 2110 and 2120 (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 (15 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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Women's Studies (WMST) No grade below "C" and 2.25 GPA (2.5 for accounting majors) in MATH 1830 or 1910, ECON 2110, ECON 2120 and the following lower division courses Foreign Languages and Literatures ACCT 2010 Fundamentals of Accounting I (3) Arabic (ARAB) Chinese (CHIN) ACCT 2020 Fundamentals of Accounting II (3) Classics (CLAS) French (FREN) ISDS 2710 Business Statistics (3) German (GERM) Greek (GREK) MIS 2749 Introduction to Business Microcomputer Applications (3) Hebrew (HEBR) Italian (ITAL) MIS 2755 Introduction to Management Information Systems (3) Japanese (JAPN) Languages and Literature (LALI) Upper Division Business Core Curriculum (27 hours) Latin (LATN) Portuguese (PORT) Russian (RUSS) No grade below "C" and 2.25 GPA in the following courses: Spanish (SPAN) ACCT 3130 Legal, Social, and Political Environment of Business (3) Fogelman College of Business and FIR 3410 Business Finance (3) **Economics** MGMT 3110 Organization and Management (3) Accountancy (ACCT) Business Administration (BA) MGMT 4710 Strategic Management (3) (Enrollment usually limited to graduating seniors) Decision Sciences (ISDS) **Economics (ECON)** MKTG 3010 Principles of Marketing (3) Finance, (FIR) Hospitality and Resort Management (HPRM) MGMT 3510 Business Communication (3) Management Information Systems (MIS) Management (MGMT) ISDS 3510 Production and Operations Management (3) Marketing (MKTG) ISDS 3711 Analytical Tools for Business Decisions (3) College of Communication and Fine Arts Choose One: Architecture (ARCH) MGMT 4810 International Management (3); MKTG 4530 International Marketing (3); ECON 4350 Art (ART) International Economics (3); FIR 4550 International Finance (3); MGMT 4510 International Art History (ARTH) Business Communication and Negotiation (3); MKTG 4570 Global Transportation, Tourism and Communication (COMM) Electronic Commerce (3); HPRM 4400 International Hospitality (3); MIS 4310 Global Information Communication/Fine Arts (CCFA) Technology (3); ECON 4351 International Monetary Economics: Theory and Policy (3); one course Dance (DANC) from FIR 4110-4119 (3) when the topic pertains to international business and has been approved Interior Design (IDES)

Journalism (JOUR)
Theatre (THEA)

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: MKTG 3410, 3650, 4410, 4411, 4470, and 9 semester hours chosen by the student from the following: MKTG 3012, 3140, 3320, 3610, 4080, 4230, 4240, 4901.

#### D. Electives (13 hours)

Lower division or upper division courses to bring the total of hours earned to 120.

#### Sales Minor

For students whose major is in another college of the University (24 hours): ACCT 2010; ECON 2120; MKTG 3010, 3410, 4410, 4470, and 6 semester hours chosen by the student from the following courses: MKTG 3012, 3140, 3320, 3610, 4240.

For students whose major is in another department in The Fogelman College of Business and Economics (12 hours): MKTG 3410, 4410, 4470, and 3 semester hours chosen by the student from the following courses: MKTG 3012, 3140, 3320, 3610, 4240.

#### Typical 4-Year Sales Sequence:

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
Humanities*	3	Humanities*	3
Elective	1-3	MIS 2749	3
MATH 1710 (if needed)	3	MATH 1830 or 1910	3
Semester Totals	14-16 hrs		16 hrs

#### Sophomore Year

ACCT 2010	3	ACCT 2020	3
ENGL 2201 or 2202	3	MIS 2755	3

#### Music

Applied Music (MUAP) Jazz and Studio Ensembles (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

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)

nphis						
History*	3	History*	3			
ECON 2110	3	ECON 2120	3			
ISDS 2710	3	COMM 2381	3			
Semester Totals	15 h	rs	15 hrs			
Junior Year						
MKTG 3410	3	MGMT 3510		3		
ACCT 3130	3	MKTG 4470		3		
ISDS 3711	3	MKTG major el	ective	3		
MGMT 3110	3	FIR 3410		3		
MKTG 3010	3	Elective		3		
Semester Totals	15 hrs			15 hrs		
Senior Year						
MKTG 4410	3	MKTG major el	ective	3		
MKTG 3650	3	MKTG 4411		3		
MKTG elective	3	Intl Business el	ective	3		
ISDS 3510	3	MGMT 4710		3		
Elective*	3	Elective		3		
Semester Totals	15 hrs			15 hrs		
Total Hours: 120-1	122					
Total Hours Required for Graduation: 120						
*Must satisfy University General Education Program Requirement						

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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Family and Consumer Science (CSED)
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## **Independent Programs**

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The College of Communications 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 Music Industry its pertinence and vitality.

**Philosophy** 

Organization

**Academic Programs** 

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Departmental Requirements for Majors and Minors

**Architecture** 

Art

**Art History** 

Communication

Journalism

Music

**Theatre** 

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Architecture

Department of Architecture

Architecture (B.F.A.)

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.

Program objectives for a B.F.A. in Architecture are: (a) to engage students in the processes and professional standards of architecture and design; (b) to develop a foundation for advanced study at the M.Arch. level; (c) to develop skills for active participation in society.

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. 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

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

and SOCI 1111; Natural Science: PHYS 2010/2011 and ESCI 1020/1021; Humanities: ARTH 2101 and 2102, HIST 2010 and 2020.

#### B. The Major (87 hours)

1. Major Core (32 hours)

ARCH 1111, 1112, 1113, 1120, 1211, 1212, 1411, 2412, 2611, 2711.

2. The Major

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, 4441, 4715, 4716, 4930.

## C. Electives (6 hours)

Architecture, Interior Design, or open electives complete the 87 semester hours of course work. See advisor for details.

### Typical 4-Year Architecture Sequence

#### Freshman Year

ARCH 1120 3 ARCH 1112 3

#### 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)

**Decision Sciences (ISDS)** 

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)

·	of Wempins							
	ARCH 1211	3		ARCH 1212	3			
	ARCH 1111	3		ARCH 1411	3			
				ARCH 1113	3			
	ENGL 1010	3		ENGL 1020	3			
	ANTH 1200	3		MATH 1830	3			
	Semester Totals	15 h	ırs		18	hrs		
	Sophomore Year							
	ARCH 2412	3		ARCH 2712			5	
	ARCH 2711	5		ARCH 2612			3	
	ARCH 2412	3		ARCH 2311			4	
	PHYS 2010/2011	4		ESCI 1020/1	021		4	
	COMM 2381	3		ENGL 2201	or 22	202	3	
	Semester Totals	18 h	nrs				18 h	rs
	Junior Year							
	ARCH 3312		3	ARCH 3	313	3		
	ARCH 3421		3	ARCH 3	431	4		
	ARCH 3713		4	ARCH 3	714	3		
	ARCH/ARTH elec	tive	3	ARTH 2	102	3		
	ARTH 2101		4					
	Semester Totals		17	hrs		14	hrs	
	Senior Year							
	SOCI 1111	3		ARCH electi	ve	3		
	ARCH 4715	5		ARCH 4716		5		
	ARCH 4441	3		ARCH 4930		3		
	HIST 2010	3		HIST 2020		3		
	Semester Totals	14 h	ırs			14 h	ırs	

#### Music

Applied Music (MUAP)
Jazz and Studio Ensembles (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

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

## **University College**

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Department of Art

The Bachelor of Fine Arts in Art with a major in Art is a professional degree offering students the College of Arts and Sciences 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 BFA 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 five concentration options: (1) Art Education; (2) Studio Arts; (3) Graphic Design; (4) Interior Design (program is administered by the Department of Architecture. Contact the department for information); (5) 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.

**Course Descriptions** 

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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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 Spanish (SPAN) all degree requirements.

Transfer students with more that 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 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.

NOTES for Interior Design Students (program is administered by the Department of Architecture. See department for information): Majors, non-majors and transfer students must Theatre (THEA)

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)

## Fogelman College of Business and **Economics**

Accountancy (ACCT)

**Business Administration (BA)** 

**Decision Sciences (ISDS)** 

**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)

follow the established sequence of Interior Design courses. All students must participate in Concentration Review. Students transferring from an interior design program at another school or university must submit a portfolio of work for evaluation and placement in the program prior to enrolling the University of Memphis Interior Design courses. Portfolio submissions must be received at least two weeks before the beginning of any semester. Portfolios received after this period will not be accepted for review. Students who have not completed the prerequisite(s), but intend to take a specific Interior Design course, may petition for enrollment by submitting a portfolio of work related to the prerequisite requirements to the course instructor for evaluation. The portfolio must be submitted no later than two weeks prior to the end of the previous semester.

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 ARTH 2101 and 2102 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 advisor Early Childhood Education (ECED) 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

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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

**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

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 2301, 3313, 3414 (1 hour), 3416 (1), 3423, 4321, 4418 (1), 4427, 4441; EDPR 2111; LEAD 2010; SPED 2000; ICL 4912 (9).
- (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.

  Manufacturing Engineering Technology (METH)
  Mechanical Engineering (MECH)
  Technology (TECH)

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 Entrance), plus upper division studio courses: ART 3313, 3314, 4610, 4622, (1), and 9 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, Professional Art Practices: ART 4650.

All 2000 level art courses must be completed before enrollment in 4000 level studio courses.

- (4) Art Electives (6 hours) Art electives complete the 79 semester hours of professional course work.
- c. Graphic Design (67 hours):

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

- (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.
- d. Interior Design (67 hours) See Department of Architecture for information.
- (1) Entrance (9 hours) IDES 1110, 1120, ARCH 1111, 1112, 1113. Entrance into any interior design course is subject to the result of the Interior Design Entrance Evaluation. Students may submit portfolios for review no earlier than the semester that entrance requirements are being completed. Permission to enroll in any 2000, 3000 or 4000 level Interior Design course is based upon this review.
- (2) Art History (9 hours) IDES 3211, 3212, and three hours in an upper division art history course.
- (3) Consumer Science (3 hours) CSED 4405
- (4) Completion of Concentration (37 hours) IDES 2110, 2411, 2441, 2470, 2611, 2612, 3211, 3212, 3221, 3442, 3460, 3430, 3711, 3712, 4713, 4430, 4714, 4910
- (5) Art Electives (6 hours) Art electives complete the total of 79 semester hours of professional course work. All of these hours must be in upper division courses.
- (6) A PC laptop will be required by all students to own with particular software and specifications that will meet the needs entering any 2000 or higher level courses of the program. Please contact the Art Department for needed minimum requirements needed.
- e. Photography (67 hours):
- (1) Entrance (18 hours) ART 2301, 2331, 2351, 2511, 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, 4610, 4701, 4702, 4703, 4704, 4711, (6),

and 4712 (6).

(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
COMM 2381	3	Social/Behavioral Sciences*	3
Natural Science*	4	Natural Science*	4
Semester Totals	16 hrs		16 hrs

#### Sophomore Year

ART 3313	3	ART 2523	3
ART 2301	3	ART 2351	3
ART 2511	3	ARTH 2102	3
ARTH 2101	3	ART 3414	1

Ш	DIIIS						
	EDPR 2111	3	ART 34	11	3		
			LEAD 2	010	3		
	Semester Totals	15 hrs			16 hrs		
	Junior Year						
	Junioi Yeai						
	ARTH elective	3	ART 43	21		3	
	ART elective	3	ARTH e	lect	ive	3	
	ART 3423	3	ART ele	ectiv	/e	3	
	SPED 2000	3	ART 34	16		1	
	MATH 1420	3	ENGL 2	201	or 2202	3	
			History	*		3	
	Semester Totals	15 hrs				16 hrs	
	Senior Year						
	Semon real						
	ART elective		3		ART 444	1 3	
	ART elective		1		ICL 4912	9	
	ART 4418		1				
	ART 4427		3				
	History*		3				
	Social/Behaviora	I Scienc	es* 3				
	Semester Totals		14	hrs		12 hrs	
	Total Hours: 120						
	Hours Required for Graduation: 120						
	*Must satisfy University General Education Program Requirement						
	Typical 4-Year Gr	aphic D	esign C	onc	entratio	n Sequence	
	Freshman Year						

ART 1210

3

ART 1215 3

ш	onis						
	ART 1311	3	ART 1314	3			
	ARTH 2101	3	ENGL 1020	3			
	ENGL 1010	3	ART 2701	3			
	MATH*	3	ARTH 2102	3			
	Semester Totals	15 hrs		15 hı	`S		
	Sophomore Year						
	ART 2331	3	ART 3213			3	
	ART 2223	3	ART 3222			3	
	ART 2219	3	ART electiv	/e		3	
	ARTH elective	3	COMM 2381			3	
	Natural Sciences	* 4	ENGL 2201	or 22	202	3	
	Semester Totals	16 hrs	S			15 hrs	
	Junior Year						
	ART elective	3	ART 3219		3		
	ART 3313	3	ART 4221		3		
	ART 3227	3	ART 4224		3		
	ARTH elective	3	Social Scien	ce*	3		
	Natural Science*	4	History		3		
	Semester Totals	16 hrs			15 h	rs	
	Senior Year						
	ART 4233	3	ART 4232 or	4233	3		3
	ART 4222	3	ART 4235				3
	ART 4211	3	ART 4621				1
	ART 4622	3	Social/Behav	viora	l Sci	ences *	3
	History*	3	ART elective	)			3
	Semester Totals	15 hrs					13 hrs

Total Hours: 120

Hours Required for Graduation: 120

\*Must satisfy University General Education Program Requirement

### Typical 4-Year Interior Design Concentration Sequence

#### Freshman Year

++**IDES 1120	3	**ARCH 1112	3
MATH 1420	3	**ARCH 1113	3
**ARCH 1111	3	**IDES 1110	3
ENGL 1010	3	ENGL 1020	3
ART 2101	3	ARTH 2102	3
Semester Totals	15 hrs		15 hrs

++NOTE: Students seeking admission to the B.F.A.in Art with a concentration in Interior Design must 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 Interior Design and will be reviewed by a faculty committee. Applicants are accepted on the basis of potential in the field of interior design. Contact the Department of Art for details and deadlines.

### Sophomore Year

IDES 2110	3	IDES 2441	3
IDES 2470	3	IDES 2411	3
IDES 2611	3	IDES 2612	3
IDES 3211	3	IDES 3212	3
CSED 4405	3	COMM 2381	3
Semester Totals	15 hrs		15 hrs

#### Junior Year

<sup>\*\*</sup>Portfolio application for Interior Design concentration entry required with the starred courses have been completed.

IDES 3711	3	IDES 3712	3
IDES 3442	3	IDES 3460	3
IDES 3221	3	ARTH elective	3
History*	3	IDES 3430	3
ENGL 2201 or 2202	3	Natural Science*	4
Semester Totals	15 hrs		16 hrs

## Senior Year

IDES 4713	3	IDES 4714	3
IDES 4430	3	Social/Behavioral Sciences*	3
IDES 4910	1	ART elective	3
Natural Science*	4	ART elective	3
Social Science*	3	History*	3
Semester Totals	14 hrs		15 hrs

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 2101	3	ENGL 1020	3
COMM 2381	3	ART 2701	3
MATH*	3	ARTH 2102	3
Semester Totals	15 hrs		15 hrs

## 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
Semester Totals	15 hrs		16 hrs

## 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 Science*	3
Natural Science*	4	History	3
Semester Totals	16 hrs		15 hrs

## Senior Year

ART (course-7)	3	ART 4610	3
ART (course-8)	3	ART (studio E1)	3
ART (course-9)	3	ART (studio E2)	3
ART4622	1	Social/Behavioral Sciences *	3
History*	3	ART 4650	3
Semester Totals	14 hrs		15 hrs

Total Hours: 120

Hours Required for Graduation: 120

\*Must satisfy University General Education Program Requirement

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Degree Program and		
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Description of the University		
Services to Students	Art History	
Expenses	Department of Art	Course Descriptions
Academic Regulations	Art History Major (B.A.)	College of Arts and Sciences
Graduation from the University	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	Aerospace Studies (AERO)
Colleges and Degree Programs	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.	African and African American Studies (AAAS) Anthropology (ANTH) Biology (BIOL)
Course Descriptions	A. University General Education Program (41 hours)	Chemistry (CHEM)
Faculty and Staff	A. Oniversity deneral Education Program (4) Hours)	Computer Science (COMP)
Catalog Archive and	See Graduation from the University for the University General Education Program requirements	
University Links Class Offerings	B. Bachelor of Arts (B.A.) (18-19 hours)	English (ENGL) Health Administration (HADM)
J J.	The Bachelor of Arts requirements are in addition to the University General Education Program requirements.	History (HIST) Interdisciplinary Studies (INTD) International Studies (INTL)
Search the catalog:	C. The Major (42 hours)	Judaic Studies (JDST) Mathematics (MATH)
<b>∜</b> spectr <b>um</b>	Completion of 36 semester hours in art history courses, including ARTH 2101, 2102, 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.	Military Science (ARMY) Naval Science (NAVY) Philosophy (PHIL) Physics (PHYS) Political Science (POLS)
	D. Electives (18-19 hours)	Open Learning Fire Services Program (PADM) Public and Nonprofit Administration (PADM)
	Completion of courses to bring the total number of hours to 120 semester hours.	Psychology (PSYC) Social Work (SWRK)
	Art History Minor	Sociology (SOCI) Statistics (MATH)

•	Completion of 18 semester hours in Art History, including ARTH 2101, 2102, and 12 semester hours from the ARTH 4000-level courses.  Women's Studies (WMST)  Foreign Languages and Literatures							
Typical 4-Year Art Histo	ory Seq	uence						Arabic (ARAB)
Freshman Year								Chinese (CHIN) Classics (CLAS) French (FREN)
ARTH 2101		3	3	ARTH 210	02		3	German (GERM)
ENGL 1010		3	3	ENGL 102	20		3	Greek (GREK) Hebrew (HEBR)
Humanities*		3	3	Humaniti	es*		3	Italian (ITAL)
Foreign Language/B.A.	(or elec	ctive)** 3	3	Foreign L	.anguage	/ B.A. (or elective)**	3	Japanese (JAPN) Languages and Literature (LALI)
Elective		3	3	Studio el	ective		3	Latin (LATN)
Semester Totals		1	5 hrs				15 hrs	Portuguese (PORT) Russian (RUSS)
								Spanish (SPAN)
Sophomore Year								Fogolman Collogo of Pusiness and
ARTH elective	3	ARTH el	octivo		3			Fogelman College of Business and Economics
ARTH elective	3	ARTH el			3			Accountancy (ACCT)
Foreign Language/B.A.	3	•		age/B.A.	3			Business Administration (BA) Decision Sciences (ISDS)
MATH*	3	Elective			3			Economics (ECON)
ENGL 2201 or 2202	3	History*			3			Finance, (FIR)
COMM 2381	3							Hospitality and Resort Management (HPRM) Management Information Systems (MIS)
Semester Totals	18 hrs				15 hrs			Management (MGMT)
								Marketing (MKTG)
Junior Year								College of Communication and Fine Arts
ARTH elective	3	ART	ΓH elec	tive		3		Al to
Elective	3	ART	ΓH elec	ctive		3		Architecture (ARCH)
Social/Behavioral Scien	ces* 3	Soc	ial/Bel	navioral S	sciences*	3		Art (ART) Art History (ARTH)
Natural Science*	4	Nat	ural Sc	cience*		4		Communication (COMM)
Semester Totals	13	3 hrs				13 hrs		Communication/Fine Arts (CCFA) Dance (DANC)
Senior Year								Interior Design (IDES) Journalism (JOUR) Theatre (THEA)

ARTH elective	3	ARTH 4195	3
ARTH elective	3	Social Science/B.A.	3
Nat. Sci./Math/B.A.	3-4	Humanities/B.A.	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

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

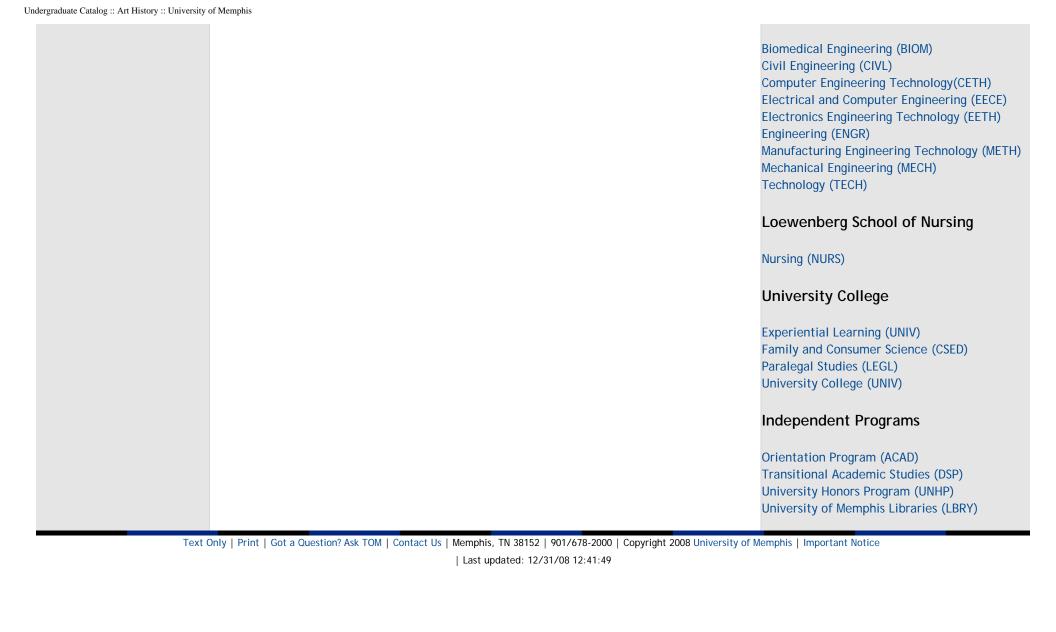
Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

## Herff College of Engineering

<sup>\*\*</sup>Students presenting a language to meet University admission requirements cannot receive credit for 1010 in that language.





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Communication

The Department of Communication

Communication Major (B.A.)

Program objectives for a B.A. in Communication are: (a) to understand communication processes and practices; (b) to analyze and interpret the dynamics of messages; (c) to appreciate the aesthetic dimensions of communication; (d) to recognize the value of diverse views and communication forms; (e) to evaluate the consequences of communication acts.

A. University General Education Program (41 hours)

See Graduation from the University for the University General Education Program requirements. Earth Sciences (ESCI)

B. Bachelor of Arts (B.A.) (18-19 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 1780 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 (24-28 hours):

 Broadcast and Electronic Media (27-28 hours): one of COMM 3003, 4360 or 4850; COMM 3800, 4857; three of: COMM 4810, 4811, 4812, 4831, or 4871; two of: COMM 3321, 3322, 3330, 3371,

**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)

English (ENGL)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

 $http://www.memphis.edu/ugcatalog/collegeprog/ccfa/comm.php\ (1\ of\ 7)\ [12/31/2008\ 2:43:35\ PM]$ 

4011, 4013, or 4854; one of: COMM 3820, 3821, or 3823; and three additional hours in Communication.

b. Communication (27 hours): COMM 3001 or 3002, 3003, 3321, 3330, 4381; and 15 additional hours in Communication.

c. Film and Video Production (25 hours): one of COMM 3003, 4360, or 4850, COMM 3823, 3824, 3842; three of 4822, 4824; 4825, 4841, 4842, 4891, 4960, or 4970; one of: (Selection may not include course used to satisfy core) COMM 3003, 4220-29, 4850, 4851, 4853, 4854, 4856, 4857, or German (GERM) 4858.

#### D. Electives (2 - 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 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 Broadcast and Electronic Media Concentration Sequence

#### Freshman Year

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

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)

**Decision Sciences (ISDS)** 

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)

COMM 1780			3	COMM 23	31		3	Music
ENGL 1010			3	ENGL 102	0		3	Music
Humanities*			3	Humaniti	es*		3	Applied Music (MUAP)
Foreign Language/B.A.	(or elect	tive)**	3	Foreign L	anguage/	'B.A. (or elective)	3	Jazz and Studio Ensembles (MUAP) Music Appreciation (MUS)
Elective			3	COMM 38	00		3	Music Education (MUSE)
Semester Totals			15 hrs				15 hrs	Music History, Literature, and Appreciation (MUHL)
								Music Industry (MUID)
Sophomore Year								Music Theory and Composition (MUTC) Sacred Music (MUSA)
COMM core	3	COMM	l 4857		3			College of Education
COMM conc. elective	3	COMM	l conc. e	lective	3			conege of Ludoution
Foreign Language/B.A.	3	Foreig	gn Langu	age/B.A.	3			Counseling, Educational Psychology and Research
MATH*	3	Electi	ve		3			Research
History*	3	Histor	·y*		3			Counseling and Personnel Services (COUN)
ENGL 2201 or 2202	3							Educational Psychology and Research (EDPR)
Semester Totals	18 hrs				15 hrs			Health and Sport Sciences
Junior Year								Dietetics (NUTR) Health and Human Performance (EXSS) Health and Sport Sciences(HMSE)
COMM conc. elective	3	С	OMM cor	nc. electiv	е	3		Health Promotion (HPRO)
Elective	3	С	OMM cor	nc. electiv	е	3		Physical Education Activities (PHED) Physical Education Teacher Education (PETE)
Social/Behavioral Science	ces* 3	S	ocial/Be	havioral S	ciences*	3		Sport and Leisure Commerce (SLC)
Natural Science*	4	N	latural So	cience*		4		Sport and Leisure Management (SLS)
Semester Totals	13	hrs				13 hrs		Instruction and Curriculum Leadership
Senior Year								Early Childhood Education (ECED) Educational Services (EDSV) Elementary Education (ELED)
COMM conc. elective	3	CC	DMM con	c. elective	9 3			Instruction and Curriculum Leadership (ICL)
Fine Arts Heritage/B.A.	3	So	cial Scie	ence/B.A.	3			Instructional Design and Technology (IDT) Leadership (LEAD)
Nat. Sci./Math/B.A.	3-4	Нι	umanitie	s/B.A.	3			Reading (RDNG)
UD elective	3	U	) electiv	e	3			Special Education (SPED)
Elective	3	El	ective		3			Herff College of Engineering

ver	sity of Memphis										
			Ele	ective (i	if needed)	1					
	Semester Totals	15-16	hrs			1	6 hrs				
	Total Hours: 120-121										
	Total Hours Required for	Gradua	tion: 1	20							
	·										
	*Must satisfy University (	General	Educat	ion Prog	gram Requ	iiren	nent				
	**Students presenting a language to meet University admission requirements cannot receive credit for 1010 in that language.										
	Typical 4-Year Film and	Video I	Produc	tion Co	ncentratio	on S	Sequence				
	Freshman Year										
	COMM 1780			3	COMM 23	81		3			
	ENGL 1010			3	ENGL 102	20		3			
	Humanities*			3	Humaniti	ies*		3			
	Foreign Language/B.A.	(or elec	tive)**	3	Foreign L	ang	uage/B.A. (or elective)**	3			
	Elective			3	Elective			3			
	Semester Totals			15 hrs				15 hrs			
	Sophomore Year										
	Soprioriore real										
	COMM conc. elective	3	COMM	3824		4					
	COMM 3823	4	COMM	conc. e	elective	3					
	Foreign Language/B.A.	3	Foreig	ın Langu	iage/B.A.	3					
	MATH*	3	Electi	ve		3					
	History*	3	Histor	y*		3					
	ENGL 2201 or 2202	3									
	Semester Totals	19 hrs				16	hrs				
	Junior Year										
	Janior Tear										
	COMM 3842	4	С	ОММ со	nc. electiv	ve	3				

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY)

sity of Memphis						
	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 Heritage/B.A.	3	Social Science/B.A.	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

## Typical 4-Year Communication Concentration Sequence

### Freshman Year

COMM 1780	3	COMM 2381	3
ENGL 1010	3	ENGL 1020	3
Humanities*	3	Humanities*	3
Foreign Language (or elective)**	3	Foreign Language (or elective)**	3
Elective	3	COMM conc. elective	3
Semester Totals	15 hrs		15 hrs

### Sophomore Year

<sup>\*</sup>Must satisfy University General Education Program Requirement

<sup>\*\*</sup>Students presenting a language to meet University admission requirements cannot receive credit for 1010 in that language.

iivei	sity of Mempins						
	COMM 3003	3	COMM 3	3001 or 3002	3		
	COMM 3321	3	COMM 6	elective	3		
	Foreign Language	3	Foreign	Language	3		
	MATH*	3	Elective	е	3		
	History*	3	History	*	3		
	ENGL 2201 or 2202	3					
	Semester Totals	18 hrs			15 hrs		
	Junior Year						
	COMM elective		3	COMM 3330			3
	Elective		3	COMM elect	ive		3
	Social/Behavioral So	ciences	* 3	Social/Beha	vioral So	cience*	3
	Natural Science*		4	Natural Scie	ence*		4
	Semester Totals		13 hrs				13 hrs
	Senior Year						
	COMM elective	3		COMM 4381		3	
	Fine Arts Heritage/	B.A. 3		Social Science	ce/B.A.	3	
	Nat. Sci./Math/B.A.	3-	-4	Humanities/	B.A.	3	
	UD elective	3		UD elective		3	
	Elective	3		Elective		3	
				Elective (if r	needed)	1	
	Semester Totals	15	5-16 hrs			16 hrs	

Total Hours: 120-121

Total Hours Required for Graduation: 120

<sup>\*</sup> Must satisfy University General Education Program Requirement

<sup>\*\*</sup>Students presenting a language to meet University admission requirements cannot receive credit for 1010 in that language.

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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, Internet 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: (a) to think critically, creatively and independently; (b) to conduct research and evaluate information by methods appropriate to the communications professions in which they work; (c) to write correctly and clearly in forms and styles appropriate for the communications professions, audiences and purposes they serve; (d) 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, and freelance writers and producers. 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 40 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. Prereguisite journalism 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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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, 80 hours must be other than journalism or journalism skills related courses. Of these 80 hours, at least 65 hours must be in liberal arts. 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 requirements.

B. Bachelor of Arts (B.A.) (18-19 hours)

The Bachelor of Arts requirements are in addition to the University General Education Program requirements.

- C. The Major (43 hours)
- 1. Major Core (12 15 hours)

Completion of JOUR 1700, 2121, and 4700. Advertising, Broadcast News, Internet Journalism and Public Relations students will take one of the following: JOUR 4702, 4708, 4712 or 4716. Newspaper/Magazine students will take two of the following: JOUR 4702, 4708, 4712 or 4716.

- 2. Concentrations (21-31 hours)
- a. Advertising (30-31 hours): JOUR 3300, 3324, 3900, 4326, 4327, 4328, 4900; JOUR 3400 or 4330 or COMM 3801; MKTG 3010, 3012.
- b. Broadcast News (22 hours): JOUR 3120, 3625, 4629, 4639, 4649, and one of the following: JOUR 3900, 4124 or 4500; COMM 3801.

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)** 

Decision Sciences (ISDS)

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)

- c. Internet Journalism (27 hours): JOUR 3120, 3500, 3526, 3900, 4124, 4500, 4550, 4560, and one of the following: JOUR 3324, 4120, 4130, 4900.
- d. Newspaper/Magazine (21 hours): JOUR 2123, 3120, 3130, 3526, 4120, 4124, 4140.
- e. Public Relations (30-31 hours): JOUR 3400, 3410, 3421, 3900, 4420, 4440; MGMT 3110; MKTG 3010; one course from among: JOUR 3120, 3130, 3625; and one course from among: JOUR 3300, 4430, 4500, or COMM 3801.

#### D. Electives (21 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 Journalism Sequence

#### Freshman Year

ENIOL 4040

ENGL 1010	3	ENGL 1020	3
American Heritage*	3	COMM 2381	3
JOUR 1700	3	JOUR 2121	3
Foreign Language/B.A.	3	Humanities*	3
Social/Behavioral Sciences*	3	Social Science/B.A.	3
Semester Totals	15 hrs		15 hrs

#### Sophomore Year

Humanities*	3	Jour core elective	3
Natural Science*	4	History*	3
Social Science*	3	Natural Science*	4
Foreign Language/B.A.	3	Foreign Language/B.A.	3

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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

ENGL 2201 or 2202	3	3 MATH*		3
Semester Totals		16 hrs		16 hrs
Junior Year				
Nat. Sci./Math/B.A.	3	Jour conc. elective	;	3
Jour conc. elective	3	Jour conc. elective	;	3
Elective	3	Elective		3
Jour conc. elective	3	Fine Arts Heritage	B.A.	3
Elective	3	Elective		3
Semester Totals	15 I	hrs		15 hrs
Senior Year				
Jour conc. elective	3	Jour conc. elective	3	
JOUR 4700	3	Elective	1	
Jour conc. elective	3	Elective	3	
Humanities/B.A.	3	Jour conc. elective	3	
Jour conc. elective	3	Jour core elective	3	
Semester Totals	15 h	rs	13 hr	r'S
		ip elective highly recor te minimum of 120 hou		ded last semester to enhance degree
Hours Required for G	radua	ation: 120		

\*Must satisfy University General Education Program Requirement

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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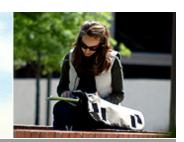












Music

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 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 2.5 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 Public and Nonprofit Administration (PADM) 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 Social Work (SWRK) 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

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Psychology (PSYC)

Sociology (SOCI)

Statistics (MATH)

at http://music.memphis.edu/.

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 Greek (GREK) 1200 for one of the Social/Behavioral Sciences requirements.

- B. The Major (85-90 hours)
- 1. Major Core (39 43 hours)
- a. Completion of MUTC 1008, 1010, 1009, 1011, 2008, 2010, 3008, 3009 (16 hours)
- b. Theory elective (one from the following): MUTC 3101 (required for Music Education), 3102, 3109, 3201, 4205, 4206, 4207; Jazz take MUTC 2103 (3 hours); Musical Theatre take THEA 4582 (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 exempt) (3 hours); Musical Theatre take THEA xxxx (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)

Women's Studies (WMST)

Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

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)

**Decision Sciences (ISDS)** 

**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)

- 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.
- 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), 3012-14 (8), 3103 (4), 4xx2 (4), 4895, MUTC 3201, 3825, 3826, 3827

b. Jazz and Studio Composition/Arranging

MUAP 1312, (pianists take 1101) (4), MUTC 2501, 2504 (2), 2511 (2), 3201, 3825, 4106, 4503, 4896 (4), MUAP 1xx2 (5), 3012-14 (6), 3103 (2), 3501 (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; Musical Theatre.

Individual instruction in major performance area (24 hours)

Musical Theatre 16 hours Applied Music Instruction plus THEA 2501 Stage Movement (3 hours), THEA 2531 Performance Fundamentals (3 hours), and MUSE 4211 Vocal Diction I (2 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: 2-4 hours in secondary woodwind instrument(s) and MUSE 4521 (3) Woodwind Pedagogy; option of MUAP 2201 (1) Historical Techniques for Woodwind Instruments, or MUAP 4263 (1) 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

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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

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.

For Musical Theatre: THEA 2532 Acting I (3 hours), THEA 4220 Acting for Musical Theatre (3 hours)

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. Musical Theatre take 4 hours from DANC 3826 (Musical Theatre Dance I) or 3827 (Musical Theatre Dance II).

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)

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

## Loewenberg School of Nursing

Nursing (NURS)

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Family and Consumer Science (CSED)
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University College (UNIV)

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University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

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: (29 hours)	
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)	
EDPR 2111 Development Across the Life Span (3)	

,	T	
	MUSE 2002 Foundations of Music Education (3)	
	MUAP 3999 Junior Recital (1)	
	SPED 2000 Intro to Exceptional Learners (3)	
	MUSE 4999 Seminar in Music Education (3)	
	MUSE 4911 Student Teaching in Music (9)	
	MUSE 4213 Materials and Methods of General Music (3)	
	Instrumental Emphasis: (22 hours)	
	MUSE 1112 Class Instruction in Voice (1)	
	MUSE 4215 Jazz Ensemble Techniques (1)	
	MUSE 4700 Instrumental Conducting (3)	
	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)	
	MUSE 1119 Guitar for the Classroom Teacher (1)	
	MUSE 4211 Vocal Diction I (2)	
	MUSE 4701 Choral Conducting (3)	
	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
Natural Science*	4	Natural Science*	4
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 3012/4	1	MUAP 3012/4	1
		MUAP 1116	1
Semester Totals	15 hrs		16 hrs

#### Sophomore Year

ENGL 2201 or 2202	3	MATH*	3
MUTC 2008	3	History*	3
MUTC 2010	1	MUAP 2107	1
MUAP (applied music)	2	MUTC 3008	3
MUTC 3825	3	MUTC 3009	1
MUTC 2103	3	MUTC 3201	3
MUAP 3012/4	1	MUAP (applied music)	2

MUAP 3103	1	MU	AP 30	12/4	1	
		MU	AP 30	13	1	
Semester Totals	1	7 hrs			18 hrs	
unior Year						
Social/Behaviora	I Scienc	es* 3	So	cial/Behavior	ral Sciences*	3
MUSE 3700		2	Hu	manities*		3
MUAP 3103		1	ML	JHL 3303		3
MUTC 3826		3	ML	JAP (2nd insti	rument)	1
COMM 2381		3	ML	JAP 3012/4		1
MUAP (applied m	usic)	2	MU	JTC 3xxx		2
MUAP 3012/4		1	His	story*		3
			MU	JAP 3103		1
Semester Totals		15 hr	S			15 hrs
enior Year MUID 3827	2	Elective		2		
Music elective MUID 1001	1	MUAP 489				
MUAP 3012/4		MUHL 480				
MUAP 3012/4	2	MUAP 30°				
MUHL elective		MOAI 30	12/4	1		
Semester Totals				12 hrs		
otal Hours: 120	12 1113			12 1113		
				_		
otal Hours Requi	red for	Graduatio	n: 12	0		
Must satisfy Unive	ersity G	eneral Edu	ucatio	on Program R	equirement	
ypical 4-Year Ja	0					

Freshman Year

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
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
		MUAP 1116	1
Semester Totals	14 hrs		16 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)	2	MUTC 3008	3
MUTC 3825	3	MUTC 3009	1
MUTC 2103	3	MUTC 3201	3
MUAP 3012/4	1	MUAP 3012/4	1
Semester Totals	17 hrs		15 hrs

# Junior Year

Social/Behavioral Sciences*	3	Social/Behavioral Sciences*	3
MUSE 3700	2	History*	3
MUAP 1312	2	MUHL 3303	3
MUTC 2511	2	MUAP 1312	2
COMM 2381	3	MUAP 3012/4	1
MUTC 2504	2	MUTC 3501	2
MUAP 3012/4	1		
Semester Totals	15 hrs		14 hrs

## Senior Year

History*	3	Music elective	3
MUTC 4503	3	MUAP 4896	4
MUID 1001	1	MUHL 4806	3
MUAP 3012/4	1	MUTC 4106	3
MUHL elective	3	MUAP 3012/4	1
MUAP 3103	1	Music elective	3
Music elective	3	PHED*	2
Semester Totals	15 hrs		14 hr:

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
Natural Science*	4	Natural Science*	4
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	17 hrs		16 hrs

# 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

Social/Behavioral Sciences*	3	Social/Behavioral Sciences*	3
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	15 hrs		15 hrs

# Senior Year

MUHL elective	3	MUAP 4999	4
Music elective	3	Music elective	3
MUAP (ensemble)	1	Music elective	3
MUSE 3700	2	Upper division 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 Sacred Music (Organ) Concentration Sequence Freshman Year **ENGL 1010** 3 **ENGL 1020** 3 Natural Science\* Natural Science\* MUTC 1008 3 MUTC 1009 3 MUTC 1010 1 MUTC 1011 MUAP 1105 1 MUAP 1106 2 MUAP 1331 2 MUAP 1331 MUAP (large ensemble) 1 MUAP (large ensemble) 1 MUID 1001 1 Semester Totals 16 hrs 15 hrs Sophomore Year ENGL 2201 or 2202\* 3 Elective 2 History\* 3 History\* 3 3 MUTC 2008 3 MATH\* MUAP (large ensemble) 1 MUTC 2010 3 MUAP 1331 2 MUTC 3008 MUAP (large ensemble) 1 MUTC 3009 MUAP 1610 1 MUAP 2108 1 MUAP 2107 1 MUAP 1331 2 Semester Totals 16 hrs 16 hrs Junior Year Social/Behavioral Sciences\* 3 Social/Behavioral Sciences\* 3

3

MUHL 4005

3

COMM 2381

MUHL 3301	3	MUHL 3302	3
MUAP 4331	2	MUAP 4331	2
MUAP (ensemble)	1	MUAP (ensemble)	1
MUSE 3700	2	Music elective	2
Semester Totals	14 hrs		18 hrs

## Senior Year

MUSA 4104	3	MUAP 4999	4
Music elective	3	MUHL elective***	3
MUAP ensemble	1	Ensemble	1
Music elective	2	MUAP 1611	2
MUAP4331	2	MUSA 4105	3
MUHL 4005	3		

Semester Totals 14 hrs 13 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

\*Must satisfy University General Education Program Requirement

# Typical 4-Year Sacred Music (Choral) Concentration Sequence

## Freshman Year

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
MUTC 1008	3	MUTC 1009	3
MUTC 1010	1	MUTC 1011	1
MUAP 1105	1	MUAP 1106	1
MUAP 1611	2	MUAP 1611	2
MUAP (large ensemble)	1	MUAP (large ensemble)	1

<sup>\*\*\*</sup>Choose one from MUHL 4008, 4009, 4010, 4013

MUID 1001	1					
Semester Totals	16 h	nrs			15 hrs	
Sophomore Year						
ENGL 2201 or 2202*	3		MUSE 4211		2	
History*	3		History*		3	
MUTC 2008	3		MATH*		3	
MUTC 2010	1		MUAP (large ensem	ble)	1	
MUAP 1611	2		MUTC 3008		3	
MUAP (large ensemble	) 1		MUTC 3009		1	
MUAP 2107	1		MUAP 2108		1	
			MUAP 1611		2	
Semester Totals	14 h	nrs			16 hrs	
Junior Year						
Social/Behavioral Scie	nces*	3	Social/Behavio	ral So	ciences*	3
COMM 2381		3	Music elective			3
MUHL 3301		3	MUHL 3302			3
MUAP 4611		2	MUAP 4611			2
MUAP (ensemble)		1	MUAP (ensemb	le)		1
MUAP (small ensemble	)	1	MUSE 4701			3
MUSE 3700		2	MUAP (small er	nsem	ble)	1
Semester Totals		15	hrs			16 hrs
Senior Year						
MUSA 4104 3	М	UAF	9 4999	4		
Music elective 3	М	UHI	_ elective***	3		
Music elective 2	М	UAF	c (small ensemble)	1		
Theory elective** 3	М	usio	elective	3		

of Me	emphis								
	MUAP 4611	2	MUSA	A 4105	3				
	MUAP (ensemble)	1	Ensei	mble	1				
	Small ensemble	1							
	Semester Totals	15 hrs	S		15 hr	rs			
	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 Con	nposit	ion Cor	ncentration Sequ	ence				
	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 mu	sic)	2	MUAP (applied m	nusic)	2			
	MUAP (large ensen	nble)	1	MUAP (large ense	emble)	1			
	MUID 1001		1	MUTC 2501		3			
	Semester Totals		12 hrs			14 hrs			
	Sophomore Year								
	English 2201 or 220	02	3	MUTC 2502		3			
	Natural Science*		4	Natural Science*		4			
	MUTC 2008		3	MATH*		3			
	MUTC 2010		1	MUAP (large ense	emble)	1			
	MUAP (applied mu	sic)	2	MUTC 3008		3			

MUTC 3009

MUAP (large ensemble) 1

r								
MUAP 2502	3		MUAP 2108	1				
MUAP 2107	1		MUAP (applied music)	2				
Semester Totals	18 h	ırs		18 hrs				
Lucian Wasa								
Junior Year								
History*	3		History*	3				
COMM 2381	3		MUTC 4505or 4506	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 h	ırs		14 hrs				
Senior Year								
Seriioi Teui								
Social/Behavioral Science	ces*	3	MUTC 4599		4			
MUTC 4501		3	MUHL elective**		3			
MUTC 4512		2	MUAP (large ensemb	ole)	1			
Theory elective		3	MUTC 4102		3			
MUAP (large ensemble)		1	Social/Behavioral So	iences*	3			
Semester Totals		12	hrs		14 hrs			
Total Hours: 120								
Total Hours Required for Graduation: 120								
*Must satisfy University G	ener	al	Education Program Requi	irement				
**Choose one from MUHL	4008	3, 4	009, 4010, 4013					
Typical 4-Year Music History Concentration Sequence								

Freshman Year

ENGL 1010	3		ENGL 1020	3	
Natural Science*	4		Natural Science*	4	
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	16 ł	ırs		15 hrs	
Sophomore Year					
ENGL 2201 or 2202	3		MATH*	3	
History*	3		MUTC 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 h	ırs		17 hrs	
Junior Year					
Social/Behavioral Science	ces*	3	Social/Behavioral	Sciences*	3
MUHL 3301		3	Concentration ele	ctive	3
MUAP (applied music)		2	MUHL 3302		3
MUSE 3700		2	Concentration ele	ctive	2
MUAP (ensemble)		1	MUAP (ensemble)		1
MUTC elective**		3	MUHL elective***		3
Semester Totals		14	hrs		15 hrs

#### Senior Year

Concentration Elective	2	MUHL 4999	3
MUHL elective	3	MUHL elective***	3
MUHL elective	3	MUAP (ensemble)	1
MUHL elective	3	Concentration elective	2
MUAP (ensemble)	1	Concentration elective	2
		Theory elective	3
Semester Totals	12 hrs		14 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

\*Must satisfy University General Education Program Requirement

# Typical 4-Year Music Education (Instrumental) Concentration Sequence

## Freshman Year

ENGL 1010	3	ENGL 1020	3
COMM 2381	3	American Heritage*	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 ensemble	1	MUAP (ensemble)	1
MUID 1001	1	PSYC 1200/SOCI 1111	3
Semester Totals	15 hrs		17 hrs

# Sophomore Year

<sup>\*\*</sup>Choose one from MUTC 3101, 3201, 3202, 4205, 4206, 4207

<sup>\*\*\*</sup>Choose one from MUHL 4008, 4009, 4010, 4013

ENGL 2201 or 2202	3		Natural Science*		4
Natural Science*	4		MATH*		3
MUTC 2008	3		MUSE 1116		1
MUTC 2010	1		MUAP (small ensemb	le)	1
MUAP (applied music)	2		MUTC 3008		3
			MUSE 1112		2
MUAP (large ensemble)	) 1		MUTC 3009		1
MUAP 2107	1		MUAP (applied music	;)	2
MUSE 2002	3		Ensemble		1
Semester Totals	18 l	nrs			18 hrs
handar Varan					
Junior Year					
MUSE 4215	1		MUSE 4403	3	
MUHL 3301	3		EDPR 2111	3	
MUAP (applied music)	2		MUHL 3302	3	
MUTC 3101	3		MUSE 4700	2	
MUAP (ensemble)	1		MUAP (ensemble)	1	
MUSE 3700	2		MUAP (applied music)	2	
SPED 2000	3				
MUSE 1112	2		MUSE 1101	1	
MUSE 1104	1		MUAP 3999	1	
Semester Totals	19 hr	S		16	hrs
Conion Voor					
Senior Year					
MUSE 1103		1	MUSE 4999 3		
MUSE 4205		2			
Natural Science*		4			
Social/Behavioral Scien	nces*	3	MUSE 4911 9		
History*		3			

MUSE 4405 3
MUAP (ensemble) 1
Semester Totals 17 hrs 12 hrs
Total Hours: 125

Total Hours Required for Graduation: 125

\*Must satisfy University General Education Program Requirement

Typical 4-Year Music Education (Choral) Concentration Sequence

Freshman Year

ENGL 1010 3 ENGL 1020 3
COMM 2381 3 History\* 3
MUTC 1008 3 MUTC 1009 3

ENGL 1010	3	ENGL 1020	3
COMM 2381	3	History*	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 (ensemble)	1	MUAP (ensemble)	1
		PSYC 1200	3
Semester Totals	14 hrs		17 hrs

## Sophomore Year

MUSE 3700	2	Natural Science*	4
Natural Science*	4	MATH*	3
MUTC 2008	3	MUSE 1116	1
MUTC 2010	1	MUAP (ensemble)	1
MUAP (applied music)	2	MUTC 3008	3
MUAP (ensemble)	1	MUTC 3009	1
MUAP 2107	1	MUAP (applied music)	2
MUSE 2002	3	Ensemble	1

Semester Totals	17 hrs		16 hrs
Junior Year			
MUSE 1112	1	EDPR 2111	3
MUHL 3301	3	MUAP 3999	1
MUAP (applied music)	2	MUHL 3302	3
MUTC 3101	3	MUSE 4701	3
MUAP (ensemble)	1	MUAP (large ensemble)	1
MUSE 4213	3	MUAP (applied music)	2
MUSE 4211	2	MUSE 1101	1
MUSE 1104	1	ENGL 2201 or 2202	3
Semester Totals	16 hrs		17 hrs
Senior Year			
MUSE 1103	1	MUSE 4999 3	
MUSE 4405	3	MUSE 4911 9	
Social/Behavioral Scie	nces* 3		
SPED 2000	3		
History*	3		
MUAP (ensemble)	1		
Semester Totals	1	4 hrs 12 hrs	i
Total Hours: 124			
Total Hours Required fo	or Gradu	ation: 124	
*Must satisfy University	Genera	l Education Program Req	uirement

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Department of Theatre and Dance

Theatre

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.

Two concentrations are offered: (1) Performance, and (2) Design and Technical Production. A Dance minor is offered. Students entering the B.F.A. program will elect one of these two 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 B.F.A. program is by application. To remain in good standing as a major, 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 audition and interview, typically twice yearly. In addition to the interview, the student is expected to present an audition consisting of a group dance audition, and presentation of a song and two monologues from plays of distinctly different styles or periods. The total time of the song and monologues may not exceed five minutes.
- (2) 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

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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 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 are specified for the Humanities requirement.

#### B. The Major (79 hours)

1. Major Core (29 hours)

Completion of THEA 1561, 2501, 2511, 2531, 3412, 4 hours of THEA 3601-3609, 4541\* (1), 4551, 4582, 4591.

- 2. Concentrations (26 56 hours)
- a. Performance (26 hours): THEA 2532, 3212, 3213, 3505, 3531, 3532, 3551 (2), 4457, 4532, remaining courses are electives approved by the student's advisor.

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)** 

Decision Sciences (ISDS)

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)

b. Design and Technical Production: THEA 2512, 3511, 3561, 3562; two courses from among 3601-Music 3609 (2), 4554, 4552, 4558; two courses from 4555, 4556, 4557, 4595; two courses from among 4561, 4562, 4563, 4596; remaining courses are electives approved by the student's advisor.

#### Theatre Minor

Any student wishing to minor in Theatre should see the department chair 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 with the approval of the department chair.

#### Dance Minor

Any student wishing to minor in Dance should see the department chair 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 with the approval of the department chair.

#### Typical 4-Year Design and Technical Production Concentration Sequence

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH*	3	COMM 2381	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	Social/Behavioral Sciences*	3
THEA 2501	3	THEA 4549	3
ENGL 2201 or 2202	3	THEA 2531	3
THEA 3561	3	THEA 3511	3

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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

Semester Totals		16 hrs			16 hrs
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	
Senior Year					
THEA 45xx**	3	THEA 3601-9	9	1	
THEA 4552	3	THEA 4591		3	
Elective	3	THEA 45xx**		3	
THEA 4582	3	Elective		3	
THEA 4541	1	Elective		3	
THEA 3601-9	1				
Semester Totals	14 hrs	S		13 hrs	
Total Hours: 120					
Total Hours Requi	red for	Graduation: 12	20		
*Must satisfy Univ	ersity G	eneral Educati	on F	Program Requirement	
**Technology cour	se A or	B/Design Stud	io A	or B	
Typical 4-Year Pe	erforma	nce Concentra	atio	n Sequence	
Freshman Year					
ENGL 1010	3	ENGL 1020	3		
MATH*	3	COMM 2381	3		

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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

# **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

History*	3	History*	3
THEA 1030	3	THEA 2531	3
THEA 3601-9	1	THEA 3601-9	1
THEA 2511	3	THEA 1561	3
Semester Totals	16 hrs		16 hrs

# Sophomore Year

ENGL 2201 or 2202	3	Social/Behavioral Sciences*	3
THEA 3212	3	Elective	3
THEA 2501	3	THEA 3213	3
THEA 2532	3	THEA 3601-9	1
THEA 3601-9	1	THEA 3531*	3
THEA 3412	3	THEA 3505	3
Semester Totals	16 hrs		16 hrs

# Junior Year

THEA 3551	2	Elective	3
THEA 4532	3	Elective	3
THEA 3532	3	Elective	3
THEA 4557	3	THEA 4549	3
Elective	3	Elective	3
Semester Totals	14 hrs		15 hrs

# Senior Year

Elective	3	Social/Behavioral Sciences*	3
Natural Science*	4	Natural Science*	4
THEA 4552	3	THEA 4591	3
THEA 4582	3	Elective	3
THEA 4541	1		

Uı	Undergraduate Catalog :: Theatre :: University of Memphis							
	Semester Totals 14 hrs 13 hrs							
	Total Hours: 120							
	Total Hours Required for Graduation: 120							
	*Must satisfy University General Education Program Requirement							

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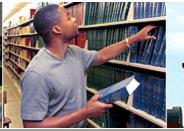
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The College of Education

MICHAEL HAMRICK, Ed.D., Interim Dean

Room 215, E.C. Ball Hall

(901) 678-4265

http://coe.memphis.edu/

MARTHA J. ALBERG, Ph.D. Assistant Dean for P-12 Programs

The College of Education 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 is committed to the following missions.

The first mission of the College of Education 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 is embodied in the theme of Educational Leaders. The college seeks to prepare leaders who demonstrate a thorough knowledge of the

# Apply Now <



Organization

B.S. Ed. Requirements (Teacher Licensure) **B.S.ED Requirements (Non Licensure) Academic Programs** 

# **Departmental Requirements for Majors and Minors**

Health and Human Performance **Human Development and Learning Integrative Studies Physical Education Teacher Education Special Education** Sport and Leisure Management

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.

Organization

B.S. Ed. Requirements (Teacher Licensure)

**B.S.ED Requirements (Non Licensure)** 

**Academic Programs** 

Departmental Requirements for Majors and Minors

Health and Human Performance

**Human Development and Learning** 

**Integrative Studies** 

**Physical Education Teacher Education** 

**Special Education** 

Sport and Leisure Management

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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: Heath Promotion and Life Style Management must take PSYC 1200.

B. The Major (66-79 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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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. 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 (54 hours): NUTR 2102, 2302, 3002, 3502, 4102, 4112, 4602, 4802, 4812, CHEM 3311/3301 (1), 3312/3302 (1), EXSS 3700, BIOL 1230/1231, ACCT 2010, MKTG 3010, MGMT 3110, EDPR 4541.
- b. Exercise and Sport Science (51 hours): SLS 3005, and either SLS 3650 or 4205 or 4500 or JOUR 3400; HPRO 2100, 3800, EXSS 2010 (2), 2020 (2), 3050, 3405, 3603, 3703, 3803, 3450, 4000, 4015, 4020, 4603.
- c. Heath Promotion and Life Style Management (49 hours): ACCT 2010, EDPR 4541, EXSS 2010 (2), 2020 (2), 3700, HPRO 2100, 2220, 3505, 3522, 3606, 3716, 3800, 4500, 4510, 4520, NUTR 2202, PSYC 3512.
- C. Electives (3-13 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.

#### Typical 4-Year Dietetics Concentration Sequence

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH*	3	Humanities*	3
History*	3	PSYC 1200	3
Humanities*	3	NUTR 2102	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
History*	3	CSED 2101	3

#### 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)** 

**Decision Sciences (ISDS)** 

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)

OI	mance Oniversity of Mem	pins							
	BIOL 2010/2011	4	BIOL 2020	0/2021	4				
	NUTR 2202	3	ACCT 201	0	3				
	NUTR 2302	3	Elective		3				
	Semester Totals	16	hr		16 hrs				
	Junior Year								
	BIOL 1230/1231	4	NUTR 3002	2	3				
	MKTG 3010	3	NUTR 3502	2	3				
	CHEM 3311/3301	4	CHEM 3312	2/3302	4				
	MGMT 3110	3	EXSS 3700		3				
	Semester Totals	14 hr	s		13 hrs				
	Senior Year								
	EDPR 4541	3	NUTR 4112	3					
	NUTR 4102	3	Elective	3					
	NUTR 4802	3	Elective	2					
	NUTR 4602	3	NUTR 4605	3					
	NUTR 4812	3	HMSE 4999	3					
	Semester Totals	15 hr		14 h	rs				
	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 1	020	3			

#### Music

Applied Music (MUAP)
Jazz and Studio Ensembles (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

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

•	•							
Humanities*		3	HPRO 2	100	3			
MATH*		3	Humani	ties*	3			
Social/Behaviora	I Scienc	es* 3	Natural	Sciences*	4			
Natural Sciences	ŧ	4	Social/E	Behavioral Sciences*	3			
Semester Totals		16 hrs	5		16 hrs			
Sophomore Year								
-								
History*	3	BIOL 20	020/2021	4				
BIOL 2010/2011	4	COMM	2381	3				
Elective	3	History	<b>,</b> *	3				
ENGL 2201 or 220	02 3	EXSS 20	010	2				
NUTR 2202	3	Electiv	е	3				
		EXSS 20	020	2				
Semester Totals	16 h	rs		17 hrs				
Lordon Warn								
Junior Year								
EXSS 3050	3	EXSS 3405	5 3					
HPRO 3800	3	EXSS 3603	3					
EXSS 3803	3	EXSS 3703	3					
SLS 3005	3	Elective	4					
SLS **	3	EXSS 3450	) 3					
Semester Totals	15 hrs		16 h	nrs				
Senior Year								
EXSS 4000	3	EXSS 460!	5 9					
EXSS 4603	3	HMSE 499	9 3					
EXSS 4020	3							
EXSS 4015	3							

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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

# **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY)

Semester Totals 12 hrs 12 hrs Total Hours: 120 Total Hours Required for Graduation: 120 \*Must satisfy University General Education Program Requirement \*\* Select one of the following: SLS 3650, 4205, 4500 or JOUR 3400. Typical 4-Year Health Promotion & Lifestyle Management Concentration Sequence Freshman Year ENGL 1020 3 ENGL 1010 3 Humanities\* Social/Behavioral Sciences 3 MATH\* Humanities\* 3 History\* 3 Natural Sciences\* Natural Science\* 4 **PSYC 1200** 3 Semester Totals 16 hrs 16 hrs Sophomore Year History\* 3 BIOL 2020/2021 4 BIOL 2010/2011 COMM 2381 3 4 ACCT 2010 HPRO 2100 3 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 EXSS 3700 3 3

-	-					
HPRO 3522	3	HPRO 3606	3			
HPRO 3505	3	EDPR 4541	3			
PSYC 3512	3	Elective	3			
Elective	3	HPRO 3716	3			
Semester Totals	15 hrs		1!	5 hrs		
Senior Year						
HPRO 4500	3	HPRO 4605**		6		
HPRO 4510	3	HMSE 4999		3		
HPRO 4520	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 satisfy University General Education Program Requirement

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<sup>\*\*</sup> 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). This major is also available to students who are not seeking licensure in which case guided electives will be chosen with faculty advisor approval in lieu of the Professional Semester.

A. University General Education Program (41 hours)

See Graduation from the University for the University General Education Program requirements. International Studies (INTL)

Mathematics, 3 hours (MATH 1420); Humanities, 9 hours (ENGL 2201 or ENGL 2202; ART 1030 or COMM 1851 or DANC 1151 or MUS 1030 or THEA 1030; CLAS 2481 or HIST 1110); History, 6 hours [HIST 2010, HIST 2020 (Note: Students may substitute ONE of the following courses for ONE of these history courses: ANTH 3282, ESCI 3401, POLS 4212)]; Social/Behavioral Sciences, 6 hours (ESCI 1301 or ESCI 1401, POLS 1100); Natural Science (select from 2 areas), 8 hours (BIOL 1020/1021, CHEM 1010/1011, CHEM 1020/1021, BIOL 1010/1011, PHYS 1001/1010, PHYS 1020/1021, ESCI 1010/1011, ESCI 1020/1021, ESCI 1040, ESCI 1050, ESCI 1102).

- B. Related Liberal Studies (12 hours): EDPR 2111; LEAD 2010; EXSS 3306; SOCI 1111.
- C. The Major (34 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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

- 1. Core (24 hours): EDPR 4301\*; ECED 3555\*, 4510\*, 4540\*; SPED 2000\*, 4900\*; CCFA 3001\*; IDT 3600.
- 2. Select one course from each of the following three areas: Race and Ethnicity: SOCI 3401, 3422, 4420, or 4442; Family and Culture: ANTH 3511, 4411; HIST 4831, 4863; or SOCI 3831; Gender: SOCI 3432 or 4460.
- 3. Elective if needed.

#### D. Professional Education (33 hours)

- 1. Early Childhood Education (Grades PreK-3 Licensure) must take ICL 3000, 4800\*, 4902\*; RDNG Italian (ITAL) 4240\*; ECED 4500\*, 4540\*, 4515\*, 4520\*, 4525\* (1 and 2 hour sections), 4530\*.
- Early Childhood Education (Grades PreK-3 Non-Licensure): must take ICL 3000, RDNG 4240\*, ECED 4500\*, 4515\*, 4520\*, 4525\* 1 and 2 hours sections), 4530\*, and additional guided electives to complete 33 hours of Professional Education requirement.

#### Typical 4-Year Human Development and Learning: PreK-3 Teacher Licensure Sequence

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
Humanities*	3	MATH 1420	3
Natural Science*	4	POLS 1100	3
SOCI 1111	3	Natural Science*	4
ESCI 1301 or 1401	3	Elective	2
Semester Totals	16 hrs		15 hrs

#### Sophomore Year

LEAD 2010	3	Humanities*	3
EDPR 2111	3	Family & Culture selection	3
ENGL 2201 or 2202	3	Gender elective	3
COMM 2381	3	ICL 3000	3
SPED 2000	3	EDPR 4301	3
Semester Totals	15 hrs		15 hrs

#### Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB) Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

Greek (GREK)

Hebrew (HEBR)

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)

Decision Sciences (ISDS)

**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)

Junior Year							
History selection	3	ECED 4500	3				
ECED 3555	3	SPED 4900	3				
ECED 4515	3	IDT 3600	3				
EXSS 3306	2	ECED 4520	3				
ECED 4510	3	ECED 4525	1				
		CCFA 3001	3				
Semester Totals	14 hrs		16 hrs				
Senior Year							
RDNG 4240	3	ICL 4902	9				
ECED 4525	2	ICL 4800	3				
Race & Ethnicity							
Selective	3						
ECED 4530	3						
ECED 4540	3						
History selection	3						
Semester Totals	17 hrs		12 hrs				
Total Hours: 120							
Total Hours Required for Graduation: 120							
*Must satisfy University General Education Program Requirement							

#### Music

Applied Music (MUAP)
Jazz and Studio Ensembles (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

Counseling, Educational Psychology and Research

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

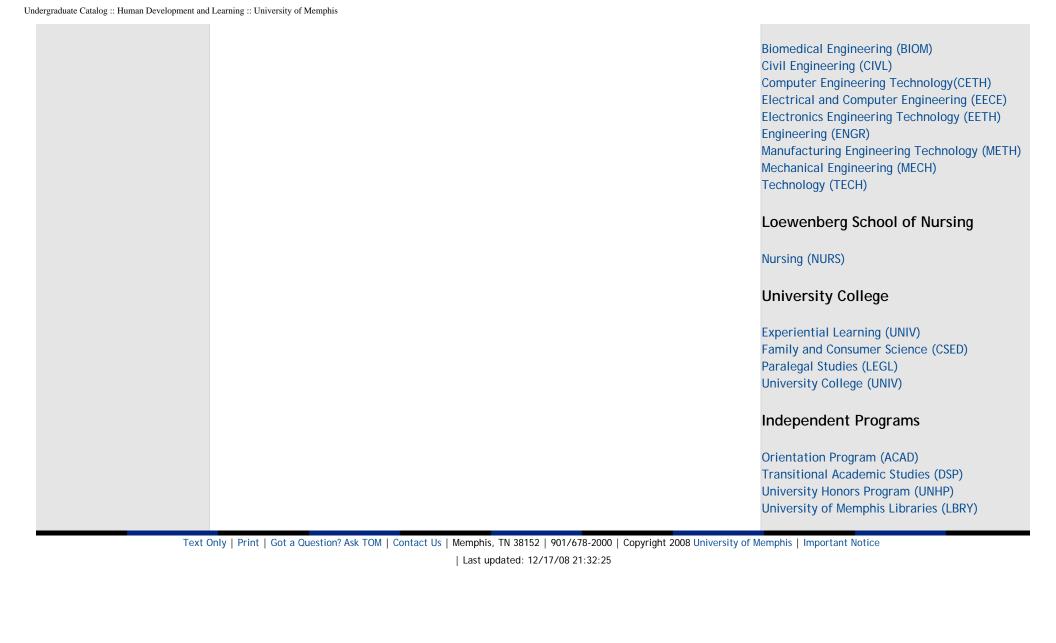
## **Health and Sport Sciences**

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





# **Undergraduate Catalog**

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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 provided learning opportunities that support their intellectual, social, and personal development; (b) to adapt instructional techniques to students of diverse cultural and language backgrounds and to students who have exceptional learning needs.

A. University General Education Program (41hours)

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 (9 hours) ENGL 2201 or ENGL 2202; ART 1030 or MUS 1030 or THEA 1030; CLAS 2481 or HIST 1110; History (6 hours) HIST 2010, HIST 2020, HIST 2030; Social/Behavioral Sciences (6 hours) ESCI 1301 or ESCI 1401; POLS 1100; Natural Sciences (8 hours) BIOL 1010/1011; BIOL 1020/1021; CHEM 1010/1011; CHEM 1020/1021; PHYS 1010/1011; PHYS 1020/1002; ESCI 1010/1011 and ESCI 1020/1021; ESCI 1040 & 1050 or 1103.

B. Major (8 hours): EDPR 2111; EXSS 3306; LEAD 2010.

C. Concentrations (71-74 hours):

1. Society Services (Non-Licensure) (41 hours). EDPR 3121; SPED 2000; PSYC 1200; SOCI 1111; PETE 3604; ICL 4001; IDT 3600; ENGL 3500, 3401; MATH 1480; Natural Science: any 2 courses in two areas not taken under general education choices; History: Choose one course from the following courses: ANTH 3511; ANTH 4411; HIST 4831; HIST 4863; HIST 4871; SOCI 4631; SOCI

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

3422; SOCI 4442;; Fine Arts: Select one from type not taken under general education choices: CCFA 3001 or MUSE 4601 or THEA 4503.

Professional Education (30 hours). ICL 4800; Choose 6 hours from the following: ECED 3555, 4515; EDPR 3300, 3301; PSYC 3103; CSED 3401; LEAD 3350. Choose 6 hours from the following: EDPR 4541; SWRK 2911; SOCI 4842; CSED 4101; COUN 4621; ICL 4121. Choose 6 hours from the following: SLS 3103, 3205, 3305, 4105; MGMT 3110, 3215; MKTG 3010, 3140 4230. Choose 9 hours from the following: SOCI 3401, 3422, 3432, 3831, 4420, 4442, 4460; ANTH 3511, 4411; HIST 4831, 4863. Minimum 20 clock hours of clinical experience related to designated field of preparation recommended.

Early/Elementary Grades-- Leading to K-6 Licensure (41 hours): PSYC 1200; SOCI 1111; EDPR 3121; SPED 2000; IDT 3600; ICL 4001; ENGL 3500, 3401; MATH 1480; Science; any 2 courses in two areas not taken under general education choices; History Selection; Choose one course from the following courses; ANTH 3511; ANTH 4411; HIST 4831; HIST 4863; HIST 4871; SOCI 3422; SOCI 4442; SOCI 4631 Fine Arts: Select one from type not taken under General Education; CCFA 3001 or MUSE 4601 or THEA 4503.

Professional Education (30 hours): RDNG 4240 and RDNG 4241; 4 courses are to be taken concurrently with 50 clock hours of active clinical experience: ELED 4351, 4352, 4353, 4354; ICL 4901, ICL 4904, and ICL 4800.

3. Elementary/Middle Grades -- Leading to Middle Grades 4-8 Licensure (48-51 hours)

There are 6 unique selections. The Teacher candidate picks one.

- (1) Mathematics & Science: MATH 1710, MATH 1720,, MATH 1910, MATH 2702, MATH 3221, MATH Economics (ECON) 3242, MATH 4611, MATH 4082, PHYS 1010/1001, PHYS 1020/1002, BIOL 1110/1111, BIOL 1120/1121, CHEM 1110/1111, CHEM 1120/1121, IDT 3600.
- (2) Mathematics & Social Studies: MATH 1710, MATH 1720, , MATH 2702, MATH 3221, MATH 3242, MATH 4611, MATH 4082, HIST 1110, HIST 1120, HIST 2010, HIST 2030, HIST 3823, World History 3000 level or above, ANTH 3000 level or above, SOCI 3000 level or above, IDT 3600.
- (3) Mathematics & Language Arts: MATH 1710, MATH 1720, MATH 1910, MATH 2702, MATH 3221, MATH 3242, MATH 4611, MATH 4082, ENGL 1010, ENGL 2201 or 2202, ENGL 3500, ENGL 3604, ENGL 4501 or 4531, American Literature 3000 level or above, Fine Arts Selective, COMM 2381, IDT 3600.
- (4) Science & Social Studies: HIST 1110, HIST 1120, HIST 2010, HIST 2030, HIST 3823, World History 3000 level or above, ANTH 3000 level or above, SOCI 3000 level or above, PHYS 1010/1001, PHYS 1020/1002, BIOL 1110/1111, BIOL 1120/1121, CHEM 110/111, CHEM 1120/1121 ESCI 1040, IDT 3600.
- (5) Science & Language Arts: ENGL 1010, ENGL 2201 or 2202, ENGL 3500, ENGL 3604, ENGL 4501

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)

**Decision Sciences (ISDS)** 

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)

or 4531, American Literature 3000 level or above, Fine Arts Selective, COMM 2381, PHYS 1010/1001, PHYS 1020/1002, BIOL 1110/1111, BIOL 1120/1121, CHEM 110/111, CHEM 1120/1121 Music ESCI 1040, IDT 3600.,

(6) Social Studies & Language Arts: ENGL 1010, ENGL 2201 or 2202, ENGL 3500, ENGL 3604, ENGL 4501 or 4531, American Literature 3000 level or above, Fine Arts Selective, COMM 2381, HIST 1110, HIST 1120, HIST 2010, HIST 2030, HIST 3823, World History 3000 level or above, ANTH 3000 level or above, SOCI 3000 level or above, IDT 3600.

Professional Education (30 hours): The Candidate will complete professional education courses appropriate for each licensure area pair as follows: (1) Mathematics & Science: SPED 2000, ICL 4002, ICL 4004, ICL 4005, EDPR 3121, RDNG 4241, ICL 4913, ICL 4800.

- (2) Mathematics & Social Studies: SPED 2000, ICL 4002, ICL 4004, ICL 4006. EDPR 3121, RDNG 4241, ICL 4913, ICL 4800.
- (3) Mathematics & Language Arts: SPED 2000, ICL 4002, ICL 4003, ICL 4004, EDPR 3121, RDNG 4241, ICL 4913, ICL 4800.
- (4) Science & Social Studies: SPED 2000, ICL 4002, ICL 4005, ICL 4006, EDPR 3121, RDNG 4241, ICL 4913, ICL 4800.
- (5) Science & Language Arts: SPED 2000, ICL 4002, ICL 4003, ICL 4005, EDPR 3121, RDNG 4241, ICL 4913, ICL 4800.
- (6) Social Studies & Language Arts: SPED 2000, ICL 4002, ICL 4003, ICL 4006, EDPR 3121, RDNG 4241, ICL 4913, ICL 4800.

## Typical 4-Year Integrative Studies

## Early and Middle Grades K-6 Licensure Sequence

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
HIST 1110 or CLAS 2481	3	Fine Arts selection	3
POLS 1100	3	SOCI 1111	3
Natural Science*	4	Natural Science*	4
PSYC 1200	3	ESCI 1301 or 1401	3
Semester Totals	16 hrs		16 hrs

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

UIIIV	University of Memphis									
	Sophomore Year									
	ENGL 2201 or 2202				MATH 1420	0	3			
	Natural Science selection		n 3	3 Natural Sc		ience selection	3			
	COMM 2381		3		HIST 2020		3			
	LEAD 2010		3		IDT 3600		3			
	EDPR 2111		3		Social Scie	ence selection	3			
	SPED 2000		3		PETE 3604		2			
	Semester Totals		18	8 hrs			17 hrs			
	Junior Year									
	EXSS 3306	3	RDI	NG 42	41	3				
	ICL 4001	3	Fin	e Arts	selection	3				
	ENGL 3401	3	MA	TH 14	80	3				
	ENGL 3500	3	EDF	PR 312	21	3				
	History 2010	3	RDI	NG 42	40	2				
	Semester Totals	15 hrs				14 hrs				
	Senior Year									
	ELED 4351	4	ICL	4904	9					
	ELED 4352	4	ICL	4800	3					
	ELED 4353	2								
	ELED 4354	2								
	Semester Totals	12 hrs			12 hrs					
	Total Hours: 120									
	Total Hours Requi	red for	Grad	duatio	n: 120					
	*Must satisfy Unive	ersity G	ener	al Ed	ucation Pro	ogram Requirem	ent			
	Tunical 4 Voor Internative Studies									

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY)

Typical 4-Year Integrative Studies

## Math & Science

### Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH 1710	3	COMM 2381	3
HIST 2010	3	MATH 1720	3
ART 1030 or other choice	3	HIST 2020	3
POLS 1100	3	PHYS 1010/1011	4
Semester Totals	15 hrs		16 hrs

## Sophomore Year

ENGL 2201 or 2202	3	MATH 1910	3
PHYS 1020/1021	4	ICL 4002	3
LEAD 2010	3	BIOL 1110/1111	4
MATH 1830	3	CLAS 2481 or HIST 1110	3
SPED 2000	3	EDPR 3302	3
Semester Totals	16 hrs		16 hrs

## Junior Year

EDPR 2111	3	MATH 3242	3
MATH 2702	3	ICL 4005	3
ESCI 1301 or 1401	3	ICL 4004	3
CHEM 1110/1111	4	CHEM 1120/1121	4
BIOL 1120/1121	4	EDPR 3121	3
Semester Totals	17 hrs		16 hrs

## Senior Year

RDNG 4241 3 ICL 4913 9

IDT 3600 3 ICL 4800 3

MATH 3221 3

MATH 4611 3

MATH 4611 2

EXSS 3306 2

Semester Totals 14 hrs 12 hrs

Total Hours: 122

Total Hours Required for Graduation: 122

\*Must satisfy University General Education Program Requirement

Typical 4-Year Integrative Studies

Middle Grades 4-8

Math & Social Studies Licensure Sequence

### Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH 1710	3	COMM 2381	3
HIST 2010	3	MATH 1720	3
ART 1030 or other choice	3	HIST 2020	3
POLS 1100	3	Nat. Science/Lab	4
Semester Totals	15 hrs		16 hrs

## Sophomore Year

ENGL 2201 or 2202	3	ICL 4002	3
EDPR 2111	3	EDPR 3302	3
Nat. Science/Lab	4	LEAD 2010	3
MATH 1910	3	ESCI 1301 or 1401	3

SPED 2000	3	HIST 11	110	3
Semester Totals	16 h	rs		15 hrs
Junior Year				
EDPR 3121	3	MATH 324	2	3
MATH 2702	3	ICL 4004		3
EXSS 3306	2	ICL 4006		3
POLS 1301	3	MATH 322	.1	3
ANTH 3xxx-4xxx	3	World His	t. 3xxx-4xxx	3
History 2010	3			
Semester Totals	17 hrs			15 hrs
Senior Year				
RDNG 4241	3	ICL 4913	9	
MATH 4611	3	ICL 4800	3	
HIST 3823	3			
SOCI 3xxx-4xxx	3			
IDT 3600	3			
Semester Totals	15 hrs		12 hrs	
Total Hours: 121				
Total Hours Requi	red for	Graduatior	ո։ 121	
*Must satisfy Unive	ersity G	eneral Edu	cation Progr	ram Requirement
Typical 4-Year In	tegrativ	e Studies		
Middle Grades 4-	8			
Math & Language	Arts Lie	censure Se	equence	
Freshman Year				

ENGL 1010		;	3	ENGI	L 1020		3
MATH 1710		;	3	COM	M 2381		3
HIST 2010			3	MATI	H 1720		3
ART 1030 or other of	hoic	e :	3	HIST	2020		3
POLS 1100		;	3	Nat.	Science/La	b	4
Semester Totals			15 hr	S			16 hrs
Sophomore Year							
ENGL 2201 or 2202		3		ICL 40	02	3	
MATH 1830		3		EDPR 3	3302	3	
CLAS 2481 or HIST 1	110	3		MATH	1910	3	
LEAD 2010		3		Nat. S	cience/Lab	4	
EDPR 2111		3		ENGL :	3604	3	
SPED 2000		3					
Semester Totals		18	hrs			1	6 hrs
Junior Year							
EDPR 3121	3		MAT	H 3242	3		
MATH 2702	3		ICL 4	4003	3		
ESCI 1301 or 1401	3		ICL 4	4004	3		
ENGL 3500	3		MAT	H 4611	3		
ENGL 4501 or 4531	3		MAT	H 3221	3		
Semester Totals	15 h	ırs			15 hrs		
Senior Year							
RDNG 4241	3		ICL 4	4913	9		
MATH 4xxx	3		ICL 4	4800	3		
EXSS 3306	2						

Am. Lit. 3xxx-4xxx 3 IDT 3600 Semester Totals 14 hrs 12 hrs Total Hours: 121 Total Hours Required for Graduation: 121 \*Must satisfy University General Education Program Requirement Typical 4-Year Integrative Studies Middle Grades 4-8 Science & Social Studies Licensure Sequence Freshman Year ENGL 1020 **ENGL 1010** 3 3 MATH 1420 3 COMM 2381 3 HIST 1110 POLS 1100 3 3 HIST 2010 3 HIST 2030 3 ART 1030 or other choice 3 PHYS 1010/1011 4 Semester Totals 15 hrs 16 hrs Sophomore Year

ENGL 2201 or 2202	3	POLS 1301	3
PHYS 1020/1021	4	EDPR 3302	3
LEAD 2010	3	BIOL 1110/1111	4
EDPR 2111	3	ESCI 1301 or 1401	3
SPED 2000	3	HIST 1120	3
Semester Totals	18 hrs		16 hrs

## Junior Year

EDPR 3121	3	EXSS 3306	2
ICL 4002	3	ICL 4005	3
HIST 3823	3	ICL 4006	3
CHEM 1110/1111	4	CHEM 1120/1121	4
World History 3xxx-4xxx	3	BIOL 1120/1121	4
Semester Totals	16 hrs		16 hrs

### Senior Year

RDNG 4241 3 ICL 4913 9
IDT 3600 3 ICL 4800 3
ESCI 1040 4 
SOCI 3xxx-4xxx 3 
ELED 4353 2 ICL 4800 3

ANTH 3xxx-4xxx 3

Semester Totals 16 hrs 12 hrs

Total Hours: 123

Total Hours Required for Graduation: 123

\*Must satisfy University General Education Program Requirement

Typical 4-Year Integrative Studies

Middle Grades 4-8

Science & Language Arts Licensure Sequence

### Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH 1420	3	COMM 2381	3
POLS 1100	3	HIST 1110	3
HIST 2010	3	HIST 2030	3

ART 1030 or other of	choice	3 PHY	S 1010	/1011	4
Semester Totals		15 hrs			16 hrs
Sophomore Year					
ENGL 2201 or 2202	3	ESCI 1301		3	
PHYS 1020/1021	4	EDPR 3302		3	
LEAD 2010	3	BIOL 1110/	/1111	4	
EDPR 2111	3	ENGL 3604		3	
SPED 2000	3	Elective		3	
Semester Totals	16 hrs			16 hrs	
Junior Year					
EDPR 3121	3	EXSS 3306		2	
ICL 4002	3	ICL 4005		3	
ENGL 3500	3	ICL 4003		3	
CHEM 1110/1111	4	CHEM 1120	)/1121	4	
ENGL 4501 or 4531	3	BIOL 1120/	/1121	4	
Semester Totals	16 hrs			16 hr:	S
Senior Year					
RDNG 4241	3	ICL 4913	9		
IDT 3600	3	ICL 4800 3	3		
Am. Lit. 3xxx-4xxx	3				
ESCI 1040	4				
Semester Totals	13 hrs	1	12 hrs		
Total Hours: 120					
Total Hours Required	d for Gr	aduation: 12	20		

*Must satisfy	/ University	/ General	Education	Program	Requirement

## Typical 4-Year Integrative Studies

## Middle Grades 4-8

## Social Studies & Language Arts Licensure Sequence

## Freshman Year

ENGL 1010	3	ENGL 1020	3
MATH 1420	3	COMM 2381	3
HIST 2010	3	HIST 1110	3
ART 1030 or other choice	3	HIST 2030	3
POLS 1100	3	POLS 1301	3
Semester Totals	15 hrs		15 hrs

## Sophomore Year

ENGL 2201 or 2202	3	ESCI 1301	3
Elective	3	EDPR 3302	3
HIST 1120	3	ENGL 3604	3
LEAD 2010	3	Nat. Science/Lab	4
EDPR 2111	3	World History 3xxx-4xxx	3
SPED 2000	3		
Semester Totals	18 hrs		16 hrs

### Junior Year

ELED 3121	3	HIST 3823	3
ICL 4002	3	ICL 4003	3
ENGL 3500	3	ICL 4006	3
ENGL 4501 or 4531	3	SOCI selection	3
Nat. Science/Lab	4	EXSS 3306	2

Jniv	versity of Memphis			
	Semester Totals	16 hrs	1	4 hrs
	Senior Year			
	RDNG 4241	3	ICL 4913 9	
	IDT 3600	3	ICL 4800 3	
	Am Lit. 3xxx-4xxx	3		
	ANTH 3xxx-4xxx	3		
	Elective	2		
	Semester Totals	14 hrs	12 hrs	
	Total Hours: 120			
	Total Hours Require	d for Gr	raduation: 120	
	*Must satisfy Univer	sity Ger	neral Education Pro	gram Requirement
	Typical 4-Year Soci	iety Ser	vices Concentratio	on Sequence
	Freshman Year			
	ENGL 1010	3	ENGL 1020	3
	Fine Arts Selection	3	COMM 2381	3
	POLS 1100	3	SOCI 1111	3
	Natural Science *	4	Natural Science*	4
	PSYC 1200	3	MATH 1420	3
	Semester Totals	16 hrs		16 hrs
	Sophomore Year			
	ENGL 2201 or 2202	3	ENGL 3401	3
	Natural Science		Natural Science	
	selection	3	selection	3

HIST 2020	3	ESCI	1301 or 1401	3
PETE 3604	2	HIST	2010	3
EDPR 2111	3	LEAD	2010	3
SPED 2000	3	Histo	ory selection	3
Semester Totals	17 hr	S		18 hrs
Junior Year				
Society Services		Society	y Services	
selection	3	selecti	on	3
ICL 4001	3	Fine A	rts selection	3
ENGL 3500	3	MATH 1480		3
Selection A	3	EDPR 3121		3
Society Services	3	EXSS 3306		2
Semester Totals	15 hrs			14 hrs
Caralam Valam				
Senior Year				
			Society Services	
IDT 3600		3	selection	3
			3010011011	
Society Services			Society Services	
selection		3	selection	3
Society Services				
selection		3	ICL 4800	3
CLAS 2481 or HIS	T 1110	3	Selection B	3

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	Semester Totals	12 hrs	12 hrs	
	Total Hours: 120			
	Total Hours Required for	Graduation: 120		
	*Must satisfy University G	General Education Progran	n Requirement	

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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.

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 1200.

#### B. The Major (79 hours)

Successful completion of B.S. Ed. Requirements with a major in Physical Education Teacher Education will qualify a graduate to apply for licensure in Physical Education (K-12). Minimum grade of "C" is required in all major courses: BIOL 2010/2011 (4); BIOL 2020/2021 (4); EDPR 2111; EXSS 3700 (4), 3405, 3853; HPRO 2100; IDT 3600; LEAD 2010; PETE 2001 (2), 2002 (2), 2003 (2), 2006 (2), 2009 (2), 3307; 3308 (2), 3800, 3903, 4200 (4), 4300 (4), 4400, 4800, 4909 (9); SPED 2000; and one of the following: PHED 1711, 1712, 1713, 1722, or 2703.

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

Typical 4-Year Physical Education Teacher Education Sequence							
Freshman Year	Freshman Year						
ENGL 1010		3	ENGL 10	20	3		
Natural Science*		4	Natural	Science*	4		
MATH*		3	History*		3		
Social/Behaviora	I Scienc	ces* 3	PSYC 12	00	3		
Humanities*		3	Humanit	ies*	3		
Semester Totals		16 hrs			16 hrs		
Sophomore Year							
PETE 2001	2	PETE 200	06	2			
PETE 2009	2	PETE 200	02	2			
PETE 2003	2	EDPR 21	11	3			
BIOL 2010/2011	4	BIOL 202	20/2021	4			
ENGL 2201 or 220	02 3	LEAD 20°	10	3			
PETE 3308	3	SPED 200	00	3			
Semester Totals	16 h	ırs		17 hrs			
Junior Year							
HPRO 2100	3	PETE 4200	4				
PETE 3903	3	EXSS 3700	3				
PETE 3800	3	COMM 2381	3				
EXSS 3307	3	History*	3				
PETE 3853	3	IDT 3600	3				
Semester Totals	15 hrs		16 hrs				
Senior Year							
PHED 1711	2	PETE 4909	9				

## 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) Decision Sciences (ISDS)** 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) PETE 4300 4 PETE 4800 3

PETE 4400

EXSS 3405 3

Semester Totals 13 hrs 12 hrs

Total Hours: 120

Total Hours Required for Graduation: 120

\*Must satisfy University General Education Program Requirement

CPR Certification required for Student Teaching. Course not required but advised.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

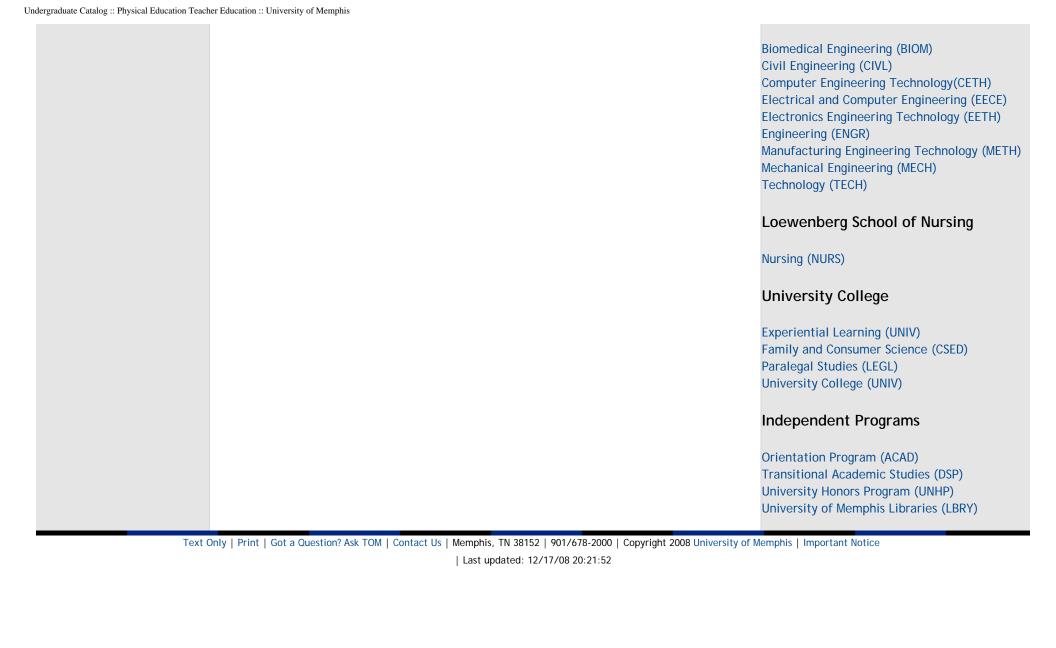
Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)





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Special Education

Department of Instruction and Curriculum Leadership

Students who complete the B.S. Ed. degree with a major in Special Education will:

- 1. Apply effective teaching techniques applicable for students of varying ability levels.
- 2. Modify teaching strategies based on knowledge of culturally and educationally diverse populations.
- 3. Utilize appropriate assessment procedures to identify the needs of students with disabilities, and modify instruction to accommodate those needs.
- 4. Effectively communicate ideas and information in both oral and written form.
- 5. Demonstrate competence in content and pedagogy.
- 6. Use higher level thinking and problem-solving skills as both students and teachers.
- 7. Establish on-going professional relationships with teachers, parents, administrators, and university personnel.
- 8. Assume leadership roles within the profession.
- 9. Initiate innovative procedures within the classroom and research the results of those procedures.
- 10. Create a positive classroom climate through the implementation of effective management and organizational techniques.
- 11. Integrate appropriate technology into instructional programs.

Successful completion of B.S.Ed. requirements with a major in Special Education will qualify a person to apply for licensure in Special Education, both Modified (K-12) and an additional licensure in either ELED (K-6) or Comprehensive (K-12), depending on the career path of the candidate. All candidates must complete requirements for one of the above combinations and may be able to satisfy requirements for all three licensure areas. Consult an advisor in the College of Education.

This major is also available to students who are not seeking licensure in which case guided electives will be chosen with advisor approval in lieu of the Professional Semester and additional related licensure area. These electives will reflect a cohesive, non-school specialization with a

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Chemistry (CHEM)

Computer Science (COMP)

Criminology and Criminal Justice (CJUS)

Earth Sciences (ESCI)

English (ENGL)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

full semester internship in a non-school setting. Women's Studies (WMST) Special Education Major (B.S.Ed.) Foreign Languages and Literatures A. University General Education Program (41 hours) Arabic (ARAB) Chinese (CHIN) See Graduation from the University for the University General Education Program requirements. Classics (CLAS) French (FREN) German (GERM) The following University General Education Program requirements are specified by the department for this major: Mathematics: 1420 is recommended; Social/Behavioral Sciences: Greek (GREK) CSED 2101 is recommended; PSYC 1200 is required. Hebrew (HEBR) Italian (ITAL) Japanese (JAPN) B. Related Liberal Studies (15 hours): Languages and Literature (LALI) Latin (LATN) EDPR 2111; IDT 3600; HMSE 2102; LEAD 2010; ENGL 3500. Portuguese (PORT) Russian (RUSS) C. The Major (36 hours): Spanish (SPAN) Major core for Modified (K-12) licensure and non-licensure: SPED 2000, 3201\*, 3401\*, 3501\*, 3802 Fogelman College of Business and (corequisite), 3803 (corequisite), 4601\*; 4900; ECED 4500; RDNG 4240, 4241; ENGL 4531. **Economics** \* 30 hours Practicum required in each: corequisite 3800/3801/3802/3803 Accountancy (ACCT) D. Guided Electives (12 hours Comprehensive or Elementary: 10 hours Non-licensure): Business Administration (BA) **Decision Sciences (ISDS) Economics (ECON)** All candidates with a major in Special Education must choose one of the following career paths to complete requirements for an additional related licensure area, or a specialty area (non-Finance, (FIR) licensure only): Hospitality and Resort Management (HPRM) Management Information Systems (MIS) 1. Comprehensive (K-12): preparation of special education teacher for general and Management (MGMT) independence curriculum: SPED 4000/4001 (corequisites), 4513; ELED 3251. Marketing (MKTG) 2. Elementary (K-6): preparation of special education teacher for general curriculum: ELED College of Communication and Fine 4351/4352/4353/4354 (corequisites). Arts 3. Non-Licensure Specialty Area (10 hours): electives that reflect a cohesive, non-school Architecture (ARCH) specialization chosen with advisor approval. Art (ART) Art History (ARTH) E. Professional Education (18-19 hours): Communication (COMM) Communication/Fine Arts (CCFA) 1. Modified licensure (K-12) Dance (DANC) Interior Design (IDES) a. Modified methods/practicum (corequisites): SPED 3800/3801 Journalism (JOUR) Theatre (THEA)

- b. Professional Semester: ICL 4800; enhanced student teaching in Modified (K-12) ICL 4905 (5) and either Comprehensive (K-12) ICL 4906 (3), and ICL 4904 or 4907 (2); or Elementary (K-8) ICL Music 4904 (4) and ICL 4901 (1).
- 2. Non-Licensure Specialty Area: ICL 4800, EDSV 4950 (9) full semester non-school internship.

\*NOTE: SPED 3800, 3801, 3802, and 3803 must be taken as Corequisites. The Prerequisites for this sequence are admission to TEP and SPED 2000, 3201, 3401, 3501; ELED 3251, RDNG 4241 or ELED 4352.

### Typical 4-Year Special Education Modified (K-12) and Elementary Education (K-6) Licensure Sequence

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
Humanities/Fine Arts*	3	Math 1420	3
History*	3	Natural Science*	4
Natural Science*	4	History*	3
PSYC 1200	3	CSED 2101	3
Semester Totals	16 hrs		16 hrs

#### Sophomore Year

COMM 2381	3	ENGL 3500 3
ENGL 2201 or 2202*	3	ENGL 4531 3
SPED 2000	3	SPED 3201 3
LEAD 2010	3	SPED 3501 3
EDPR 2111	3	HMSE 2102 3

Humanities/Fine Arts\* 3

Semester Totals 15 hrs 18 hrs

#### Junior Year

ECED 4500	3	IDT 3600	3
SPED 3401	3	ELED 4351	3

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

RDNG 4240	3	ELED 4352	3	
RDNG 4241	3	ELED 4353	3	
SPED 4601	3	ELED 4354	3	
Semester Totals	15 hrs		15 hrs	
Senior Year				
SPED 4900	3	ICL 4906	10	
SPED 3800	3	ICL 4800	3	
SPED 3801	3			
SPED 3802	3			
SPED 3803	3			
Semester Totals	15 hrs		13 hrs	
Total Hours: 123 with two licensure areas				
120 Non- licensure				
Total Hours Required for Graduation: 123 with two licensure areas				
120 Non- licensure				

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY)

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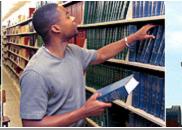
Class Offerings

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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. Students majoring in Sport and Leisure Management must complete SLS 2105 with a grade of "C-" or higher prior to enrolling in additional SLS coursework.

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 2110 is required.

B. The Major (79 hours)

- 1. Core requirements (52 hours). (Minimum grade of "C-" required in all major courses); HMSE 4999; SLS 2105 (4), 3005, 3104, 3105, 3204, 3205, 3605, 3650, 4135, 4155, 4205, 4500, 4605 (9-12).
- 2. SLS electives (12-15 hours). Includes all SLS courses not required in the major core.
- 3. Choose 12-15 hours from the following courses: HMSE 4305, COMM 3322, 3342, 4011, CSED 2106, 3206, ECON 2120, 3023, 4350, FIR 3011, 3130, ISDS 2710, JOUR 1700, MGMT 3110, 3510, MKTG 3010, 3410, 4230, 4410, 4470.

**Course Descriptions** 

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Chemistry (CHEM)

Computer Science (COMP)

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Earth Sciences (ESCI)

English (ENGL)

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History (HIST)

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Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

<ol><li>Electives</li></ol>	(0-6 hours	) to bring	the total	number	of hours to	120.

#### Typical 4-Year Sport and Leisure Management Sequence

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
Natural Science*	4	Natural Science*	4
MATH*	3	Humanities*	3
Humanities*	3	Elective	3
		History*	3
Semester Totals	13 hrs		16 hrs

#### Sophomore Year

ENGL 2201 or 2202	3	ECON 2110	3
COMM 2381	3	Elective	3
History*	3	Elective	3
Elective	3	SLS 2105	4
Social/Behavioral Sciences*	3	Writing Intensive	3
Semester Totals	15 hrs		16 hrs

#### Junior Year

tr>

SLS 3104	3	SLS 3005	3
SLS 3105	3	SLS 3204	3
SLS 3650	3	SLS 4155	3
Elective	3	SLS 4205	3
Elective	3	SLS 4500	3
Semester Totals	15 hrs		15 hrs

#### Senior Year

#### 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)
Decision Sciences (ISDS)
Economics (ECON)

Finance, (FIR)

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)

SLS 3205	3	Elective	3
SLS 3605	3	HMSE 4999	3
SLS 4135	3	SLS 4605	9
Elective	3		
Elective	3		
Semester Totals	15 hrs		15hrs

Total Hours: 120

Total Hours Required for Graduation: 120

\*Must satisfy University General Education Program Requirement

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

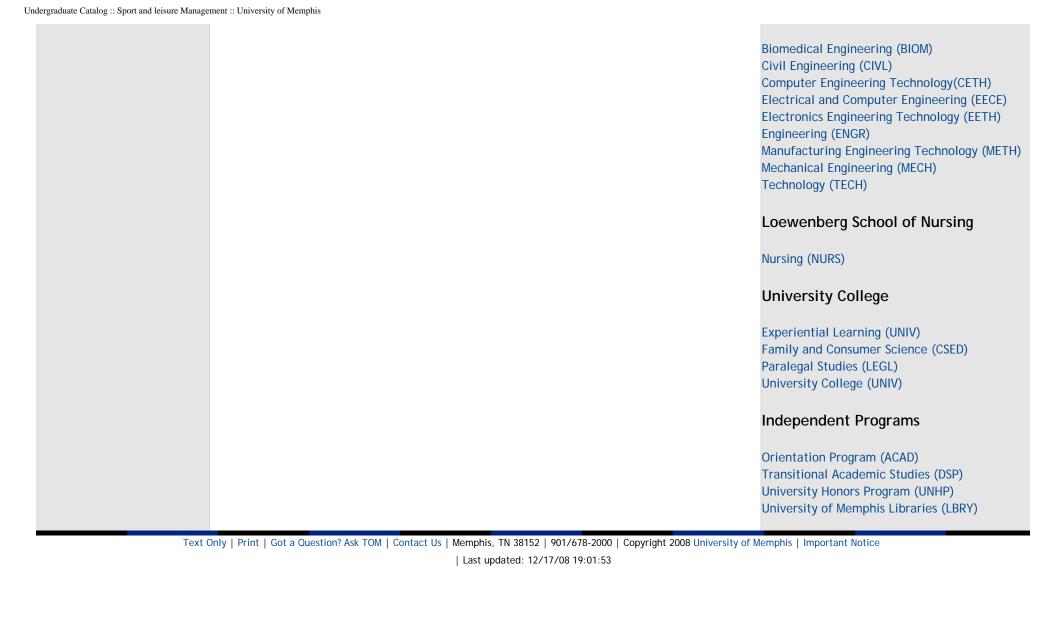
Instruction and Curriculum Leadership (ICL)

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Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)





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**Campus Directory** Calendar 2008 - 2009 **Degree Program and Planning** Description of the University Aerospace Studies Services to Students (AERO) Aerospace Studies Expenses Steven E. Fell, M.A., Lt. Col., USAF, Professor of Aerospace Studies Room 118, Hayden Hall Academic Regulations http://afrotc.memphis.edu Graduation from the University AERO 1111 - The Air Force Today (1) Colleges and Degree Survey course designed to introduce students to the United States Air Force and Air Force ROTC. Programs Topics include Air Force mission and organization, customs and courtesies, officer opportunities, Course Descriptions problem solving, and communication skills. One class hour per week and one and one-half hours of Leadership Laboratory. \* [G] Faculty and Staff Catalog Archive and AERO 1112 - The Air Force Today (1) Continuation of AERO 1111. One class hour per week and one and one-half hours of Leadership **University Links** Laboratory. \* [G] Class Offerings 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 Search the catalog: 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. \* [G] 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. \* [G]



## **Course Descriptions**

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MIII 6 1 (ADM

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Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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, 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.

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)** 

Decision Sciences (ISDS)

Economics (ECON)

Finance, (FIR)

Hospitality and Resort Management (HPRM)

Management Information Systems (MIS)

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Marketing (MKTG)

## College of Communication and Fine Arts

Architecture (ARCH)

Art (ART)

Art History (ARTH)

Communication (COMM)

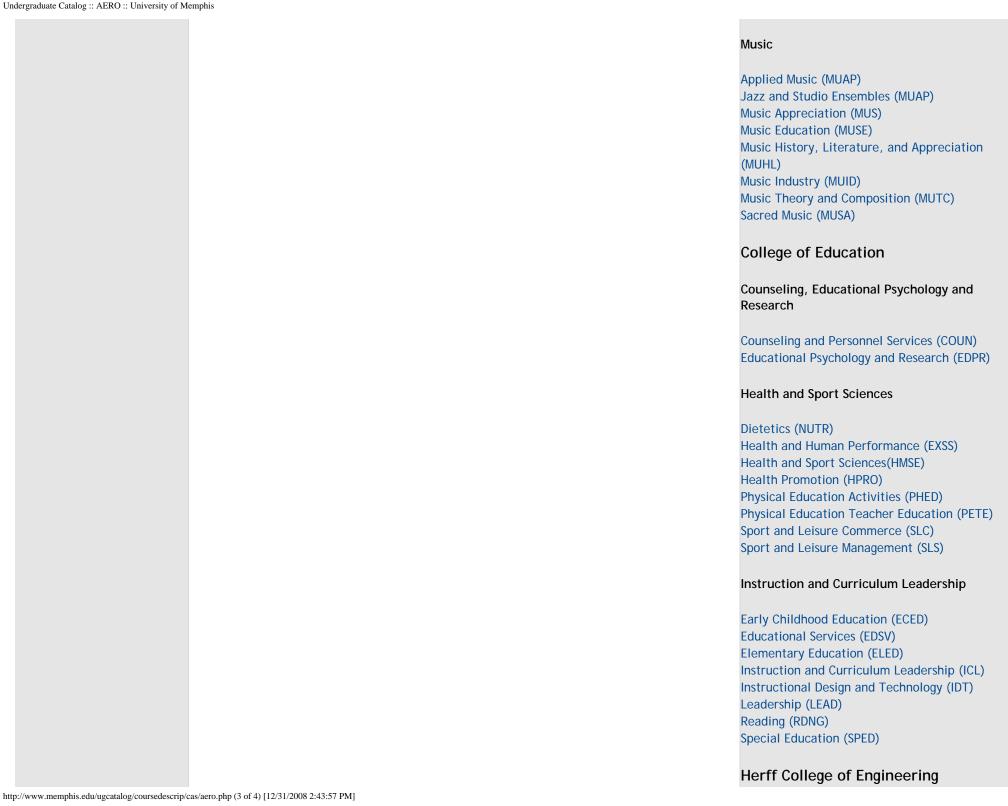
Communication/Fine Arts (CCFA)

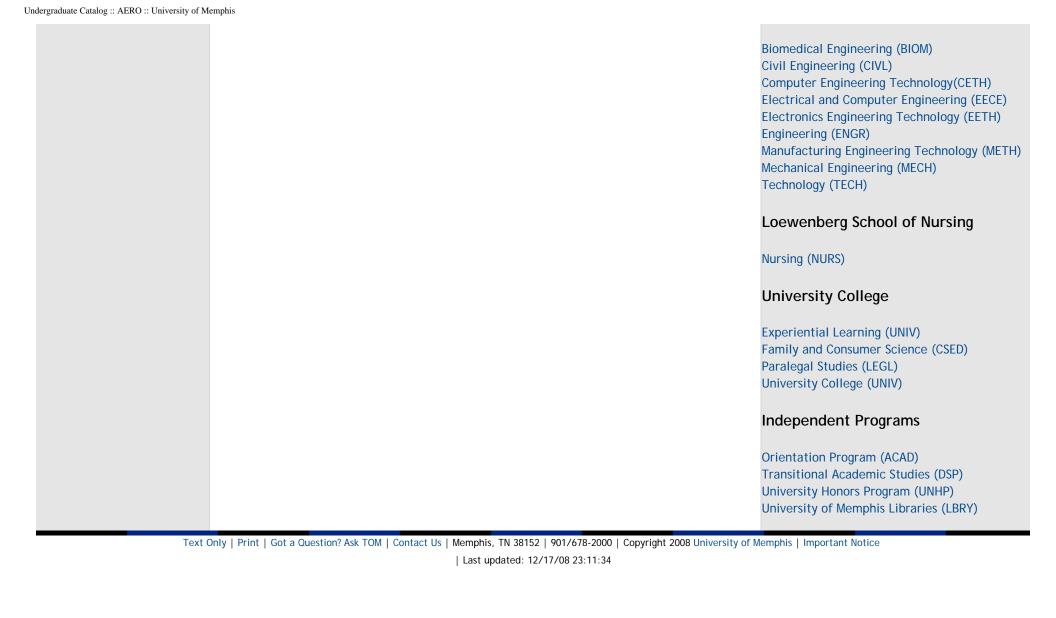
Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)







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African and African American Studies

## (AAAS) AFRICAN AND AFRICAN AMERICAN STUDIES

Interdisciplinary Studies Office Room 107, Scates Hall http://cas.memphis.edu/isc/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.

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Catalog Archive and AAAS 2100 - Intro Afr/Afr American Study (3)

Status of Africans and African Americans in historical and modern times. **University Links** 

Class Offerings AAAS 3100 - Research Method/Afr American (3)

Students design research project focusing on African and African American experiences and issues.

Search the catalog: 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 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 Statistics (MATH)

**Course Descriptions** 

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Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

varies.

#### AAAS 4990 - Voices of Black Churches (3)

Topics are varied and in online class listing. May be taken for a maximum of 6 hours credit when topic varies.

#### AAAS 4994 - Gender/Cult/Dev Africa (3)

Topics are varied and in online class listing. May be taken for a maximum of 6 hours credit when Classics (CLAS) topic varies.

Women's Studies (WMST)

## Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

French (FREN)

German (GERM)

Greek (GREK)

Hebrew (HEBR)

Italian (ITAL)

Japanese (JAPN)

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Spanish (SPAN)

## Fogelman College of Business and **Economics**

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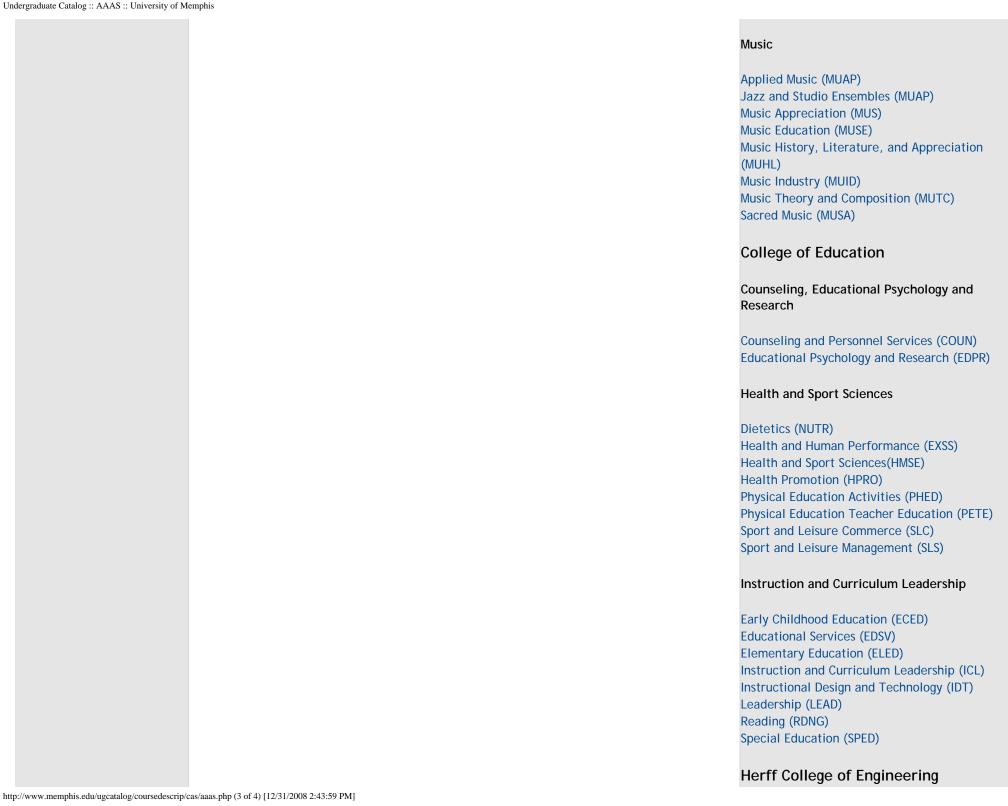
Communication/Fine Arts (CCFA)

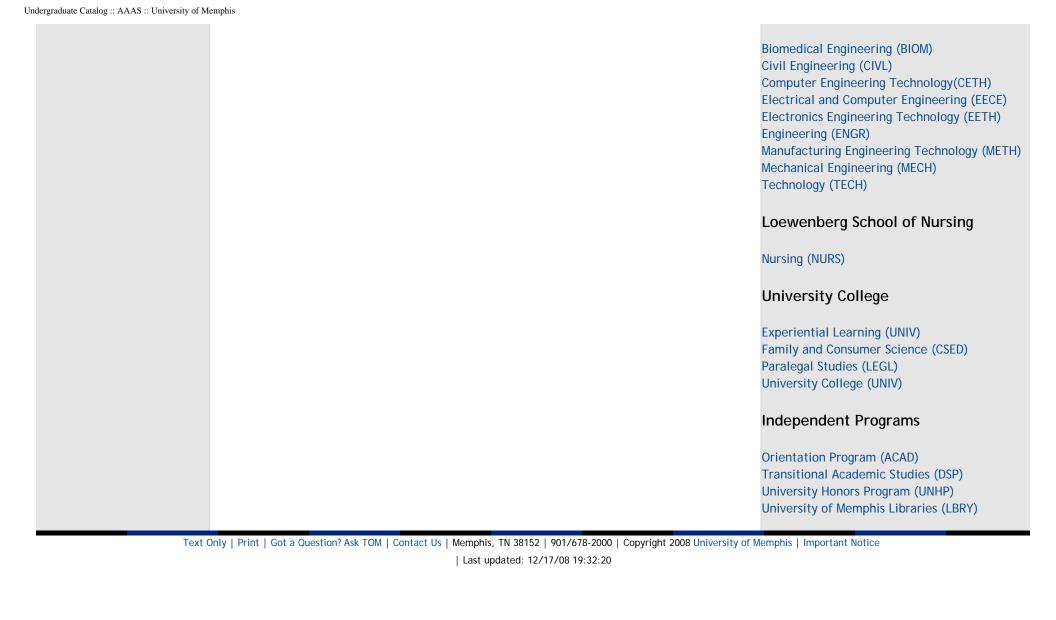
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Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)







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**∜** spectr**um** 

Anthropology









(ANTH) ANTHROPOLOGY

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.

## ANTH 3200 - Peoples/Cultures Wrld (3)

(Same as ESCI 3200). Major ethnographic areas and selected cultures of the world.

## 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

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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)

(Same as HIST 3300). Interdisciplinary integrative examination of nature of civilization through investigation of origins of civilization and comparative study of world's earliest civilizations. PREREQUISITE: 9 hours of anthropology and/or history including either ANTH 1100 or HIST 1110. [I]

#### 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 flexibility in family structures as adaptive strategies for environmental, social and cultural change.

#### ANTH 4010 - Anth Method Field Rsrch (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. [W,C]

#### 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, 1200, 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.

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)** 

Decision Sciences (ISDS)

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)

### 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. PREREQUISITE: ANTH 4200 or permission of instructor.

#### 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 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, 1300, or permission of instructor.

#### ANTH 4302 - Native People of North America (3)

(3231). Ethnology of North America; intensive study of various prehistoric cultures from earliest times until historic contact. PREREQUISITE: ANTH 1100, 1200, 1300, or permission of instructor.

#### ANTH 4325 - Archaeology 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. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

#### ANTH 4336 - Native People/Southeast (3)

(3035). Ethnology of Southeast; intensive study of various Native American cultures in the Southeast during the post-contact period. PREREQUISITE: ANTH 1100, 1200 and 1300, or permission of instructor.

#### ANTH 4352 - Old World Archaeology (3)

(3351) (Same as ESCI 4352). Old World cultures from first humans to early civilizations.

#### 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;

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Applied Music (MUAP)

Jazz and Studio Ensembles (MUAP)

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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

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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Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

rise of neighborhood associations and non-profits as extensions of family values; contributing to better understanding of neighborhoods and various intervention strategies.

#### ANTH 4413 - Anthropology of Tourism (3)

Advanced study of developing field of tourism in anthropology; explores cultural dynamics and dilemmas of tourism and tourist development; different forms of tourism (mass, elite, eco, ethnic and heritage) assessed both in terms of impacts on host culture and its environment as well as tourists themselves; tourism assessed as a development alternative, a driver of cultural change, and a form of local, regional national, international and intercultural relations. PREREQUISITE: ANTH 1200.

#### ANTH 4414 - Cultures of Capitalism (3)

Changes in culture and economic systems from early industrial capitalism to current restructuring of a global system; focus on flexible mass production, regional connections, workplace innovation, human resources; emphasis on cultural dimensions of contemporary business environments; role of anthropology in corporations; ethics in business anthropology. PREREQUISITE: ANTH 1200 or 3200, or permission of instructor.

#### ANTH 4420 - American Folklore (3)

Selected genres of American folklore, including folk religion and belief, folk medicine, folk song and music, narrative and humor (jokes and riddles); comparisons to other cultures; emphasis on role of folklore in maintenance of tradition, in social change, and in concept of culture.

#### ANTH 4511 - Medical Anthropology (3)

Cross-cultural analysis of bio-behavioral components of infectious, nutritional, genetic, chronic and psychiatric diseases; individual and cultural reactions to medical care, professionals and health care delivery systems.

#### ANTH 4512 - Complementary/Alt Medicine (3)

Focus on complementary and alternative medicine practiced in the United States and the world.

#### 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; 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 4660 - Museum Collections (3)

(Same as ARTH 4660). Theory, methods, collection policy, development, preservation, documentation, interpretation of museum collections. PREREQUISITE: permission of instructor.

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Mechanical Engineering (MECH)
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# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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# **Independent Programs**

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University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

#### 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 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 4880 - Social Life of Things (3)

Advanced study of material culture that examines ways in which things people make, acquire, use and discard can inform understandings of society and culture. PREREQUISITE: permission of instructor.

#### 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.

#### ANTH 4998 - Public Archaeol/Museum (3)

May be repeated for a maximum of 6 hours credit when topic varies.

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Calendar 2008 - 2009

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Biology









(BIOL) BIOLOGY

Randall J. Bayer, Ph.D., Chair Room 225, Life Sciences http://biology.memphis.edu

Students must earn a grade of at least "C" in BIOL 1110/1111 and BIOL 1120/1121 before enrolling in any upper division course. Additional fees are charged for some Biology lecture and laboratory courses. See the online class listings 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 in online class listings. May be repeated with different topics for maximum of 4 hours credit. PREREQUISITE: BIOL 1120 and 1121 and junior standing.

# BIOL 1010 - Intro to Biology I (3-4)

(1071, MMCS 1010). 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)

(1072, MMCS 1011). 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

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Biology (BIOL)

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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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

hours per week. PREREQUISITE or COREQUISITE: BIOL 1010. [G]

### BIOL 1020 - Intro to Biology II (3-4)

(1081). 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)

(1082). 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)

(1151, MMCS 1110). 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)

(1152, MMCS 1111). 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 laboratory hours per week. PREREQUISITE or COREQUISITE: BIOL 1110. [G]

#### BIOL 1120 - General Biology II (3-4)

(1161). 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)

(1162). 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)

(1451, 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)

(1452, 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.

#### 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)

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Russian (RUSS)

Spanish (SPAN)

# Fogelman College of Business and Economics

Accountancy (ACCT)

**Business Administration (BA)** 

Decision Sciences (ISDS)

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)

#### BIOL 2010 - Anatomy/Physiology I (3-4)

(1751). Detailed study of structure and functions of human organism; credit not acceptable for Biology major or minor. Three lecture hours per week.

#### BIOL 2011 - Anatomy/Physiology I Lab (1)

(1752). 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)

(1761). Continuation of BIOL 2010; credit not acceptable for Biology major or minor. Three lecture hours per week.

#### BIOL 2021 - Anatomy/Physiology II Lab (1)

(1762). 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 Health and Human Performance (EXSS) structure, species interactions, and human ecology. Three lecture hours per week. PREREQUISITE: BIOL 1120 and 1121. [W,C]

#### 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. [I,C]

#### 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 hours per week. PREREQUISITE: BIOL 1120.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

Counseling, Educational Psychology and Research

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

#### **Health and Sport Sciences**

Dietetics (NUTR)

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# Instruction and Curriculum Leadership

Early Childhood Education (ECED)

Educational Services (EDSV)

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Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

# Herff College of Engineering

#### 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 3230 - Plant Physiology (4)

Principles of physiology and application to living organisms; emphasis on higher plants. Three lecture hours, three 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 Embrylology (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. No more than five total credit hours of research and practicum (BIOL 4000, BIOL 4001, BIOL 4570) can be applied toward degree requirements. (S/U).

Biomedical Engineering (BIOM)
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Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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# **Independent Programs**

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PREREQUISITE: BIOL 1120 and 1121.

#### BIOL 4001 - Research II (2-3)

Laboratory and/or field work in a selected area of biology under supervision of a 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 degree 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)

Classification, distribution, techniques of collection and preservation, and habitats of native and non-native plant species. One lecture hour, four 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; pedigree analysis, genetic counseling, cancer, genomics. Three lecture hours per week. PREREQUISITE: BIOL 3072.

#### BIOL 4094 - Biogeog/GIS Analysis/Ecology (3)

Topics are varied and in online class listings. May be repeated with different topics for maximum of 4 hours credit. PREREQUISITE: BIOL 1120 and 1121 and junior standing.

#### BIOL 4096 - Plant Systematics/Evol (4)

Evolution and classification of flowering plants. PREREQUISITE: BIOL 1120 and 1121.

#### BIOL 4097 - BINF/Concept/Application (3)

Topics are varied and in online class listings. May be repeated with different topics for maximum of 4 hours credit. PREREQUISITE: BIOL 1120 and 1121 and junior standing.

#### BIOL 4100 - Evolution (3)

Synthesis of principles and concepts of modern evolutionary theory; geologic evolution, biological evaluation, 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 3312.

#### 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 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 3312.

#### 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 3312.

#### BIOL 4375 - Molec Biol/Parasite (3)

(MMCS 4375). Emphasis on molecular and immunological aspects of parasites of humans, companion animals and livestock; biology, treatment and prevention of parasitic diseases. Three lecture hours per week. PREREQUISITE: BIOL 3130 or 3550.

#### BIOL 4380 - Histology/Tissue/Organ (4)

(MMCS 4380). 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). Survey of pathogenic bacteria, human and veterinary, diseases they cause, and methods of diagnosis; molecular basis of pathogenesis; introduction to immunological principles and immunity. Three lecture hours per week. PREREQUISITE: BIOL 3550 and CHEM 3312.

#### 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 3311.

#### 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: permission of instructor.

#### 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 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 3302. 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 3312.

#### 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 in special areas of biology. No more than five total credit hours of research and practicum (BIOL 4000, BIOL 4001, BIOL 4570) can be applied toward degree 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. PREREQUISITE: BIOL 3030 or 3730.

#### 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)

Collection, preservation, identification, life histories, management, and economic importance of fishes. Two lecture hours, 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, phylogenic 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 Animls (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.

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Chemistry

(CHEM) CHEMISTRY
Peter K. Bridson, 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 3312 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 3412 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 3312 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)

(1101). Fundamental laws of chemistry and impact of chemistry on modern society; nature of science, scientific measurement, nature of matter; Dalton's atomic theory, modern atomic theory; periodicity, nomenclature; acid based interactions; oxidation-reduction interactions; chemical equilibrium, kinetics; solutions and heterogeneous mixtures. NOTE: not credited toward major in any of the physical sciences, biological sciences, mathematics, or engineering. Three lecture hours per week. PREREQUISITE: minimum ACT Math subscore of 21 or MATH 1420.

CHEM 1011 - Chemistry of Materials Lab (1)

# **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

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Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

Experiments and experimental techniques in general and inorganic chemistry. Two laboratory hours per week. [G]

#### CHEM 1020 - Chemistry of Life (3-4)

(1102). 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: minimum ACT math subscore of 21 or MATH 1420. [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; not applicable toward fulfilling credit hour minimum for degrees in The College of Arts and Sciences. Three lecture hours per week. COREQUISITE: MATH 1710 or 1720 recommended.

#### CHEM 1110 - General Chemistry I (4)

(1131). 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 ACT Math score of 24 or MATH 1710 with at least C-, or score on math placement exam earning placement into MATH 1910. COREQUISITE: CHEM 1111 recommended. [G]

#### CHEM 1111 - General Chemistry I Lab (1)

(1121). 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)

(1132). 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)

(1122). 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 3201 - Quantitative Chem Analysis 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. Note: Both CHEM 3201 and CHEM 3211 must be completed in order to satisfy the computation intensive Journalism (JOUR) requirement.

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)

Decision Sciences (ISDS)

**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)

Theatre (THEA)

#### CHEM 3211 - Quantitative Chemical Analysis (2)

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. Note: both CHEM 3201 and CHEM 3211 must be completed in order to satisfy the computation intensive requirement.

#### CHEM 3301 - Gen Organic Chem I 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 3311.

#### CHEM 3302 - Gen Organic Chem II Lab (1)

Continuation of CHEM 3301; emphasis on correlation of chemical behavior with structure. Three laboratory hours per week. PREREQUISITE: CHEM 3311 and 3301with at least C-. PREREQUISITE with at least C- or COREQUISITE: CHEM 3312.

#### CHEM 3311 - Gen Organic Chemistry I (3)

Systematic study of preparations and properties of organic compounds, including interpretations based on modern theories of organic chemistry; emphasis on aliphatic and aromatic hydrocarbons, their halogen derivatives, and alcohols. Three lecture hours per week. PREREQUISITE: CHEM 1120 with at least C-.

#### CHEM 3312 - Gen Organic Chem II (3)

Continuation of CHEM 3311; emphasis on more important functional derivatives of aliphatic and aromatic hydrocarbons and natural products important in biochemistry. Three lecture hours per week, PREREQUISITE: CHEM 3311 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 3411with at least C-. PREREQUISITE with at least C- or COREQUISITE: CHEM 3412.

#### CHEM 3411 - Physical Chemistry I (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 2120/2121with at least C-; CHEM 3211 and CHEM 3312 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 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 3311 with at least C-.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and Appreciation (MUHL)

Mars is the short on a CMIIII

Music Industry (MUID)

Music Theory and Composition (MUTC)

Sacred Music (MUSA)

# College of Education

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

### CHEM 4101 - Inorganic Chemistry Lab (1)

Experimental techniques of inorganic synthesis and physical methods for characterization of inorganic and organometallic compounds. Three laboratory hours per week. PREREQUISITE with at least C- or COREQUISITE: CHEM 4111.

#### CHEM 4111 - Inorganic Chemistry (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 3412 with at least C-, or permission of the instructor. COREQUISITE: CHEM 4101 recommended.

#### CHEM 4211 - Adv Instrumental Analysis (3)

Topics in analytical instrumental analysis, including atomic spectroscopy, x-ray spectroscopy, mass spectroscopy, UV-visible spectroscopy, luminescence, infrared, Raman, and nuclear magnetic resonance spectroscopy. Three lecture hours per week. PREREQUISITE: CHEM 3211 and 3412 with at least C-.

#### CHEM 4311 - Intermediate Organic Chem (3)

Further study of physical organic chemistry, spectrometric methods of identification of organic compounds, modern organic synthesis, and natural products chemistry. Three lecture hours per week. PREREQUISITE: CHEM 3312 with at least C-.

#### 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 3312 with at least C-.

#### 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 3412 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 3412 with at least C- and permission of instructor.

#### 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 3302 with at least C-. PREREQUISITE with at least C- or COREQUISITE: CHEM 4511 or BIOL 4511.

CHEM 4511 - Biochemistry I (3)

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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

# **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

(Same as BIOL 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; bioenergetics in catalysis; protein and carbohydrate metabolism. Three lecture hours per week. PREREQUISITE: CHEM 3312 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 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. [W, I]

#### 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 3312, 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.

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Computer Science

(COMP) COMPUTER SCIENCE

Department of Computer Science Sajjan Shiva, Ph.D., Chair Room 209, 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: computer science majors may not use this course to fulfill degree requirements. (F, Sp)

# COMP 1900 - CS1:Intro Comp Science (4)

Fundamental concepts of programming, in the object-oriented paradigm; primitive data types, control structures, arrays, strings, I/O, objects and classes; documentation, coding styles and debugging; problem-solving strategies with emphasis in fundamental programming skills. 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)

# **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

#### 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, trees, binary search trees; basic sort and search algorithms. PREREQUISITE: MATH 1910 (or MATH 1830 for non computer science majors) and COMP 1900 or EECE 1207. COREQUISITE: COMP 2701, MATH 2701. (F, Sp, Su)

#### 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: MATH 2701 and COMP 2150. (F, Sp, Su if MATH 2701 is offered in summer)

#### COMP 3160 - Adv Data Struct/Algortm (3)

Review of data structures and object-oriented concepts; implementation of advanced data structures and related algorithms; graphs; B-trees; advanced sorting, hashing; introduction to software engineering teams. PREREQUISITE: COMP 2150, MATH 2701. (F, Sp, Su)

#### 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,

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

Greek (GREK)

Hebrew (HEBR)

Italian (ITAL)

italiali (IIAL)

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)** 

Decision Sciences (ISDS)

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)

modularity; data and class structures: objects, classes, methods and encapsulation; programming of basic data structures and algorithms. Familiarity with a high-level programming Music language recommended. PREREQUISITE: MATH 1710.

#### 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 Music Theory and Composition (MUTC) 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-andconquer, 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, 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 Reading (RDNG) machine independent codes, inherited and synthesized attributes, syntax-directed translation schema. PREREQUISITE: COMP 3410, 4040, 4030. (Sp)

#### COMP 4081 - Software Development (3)

Applied Music (MUAP)

Jazz and Studio Ensembles (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and Appreciation (MUHL)

Music Industry (MUID)

Sacred Music (MUSA)

### College of Education

Counseling, Educational Psychology and Research

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Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Special Education (SPED)

# Herff College of Engineering

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 and 3715. (F)

Biomedical Engineering (CIVL) Computer Engineering T

#### 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)

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Electrical and Computer Engineering (EECE)
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Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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

### **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

#### COMP 4410 - Intro 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)

#### 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 4740 - Soft Computing (3)

Foundations of intelligent and soft computing methods; approximate reasoning, fuzzy sets and rough sets, neurocomputing and cellular automata; evolutionary computing and quantum computing; basic principles of software implementation of soft computing. PREREQUISITE: COMP 3160 and MATH 2701, or permission of instructor. (Sp)

#### 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 Sci (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 - Internshp Comp 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 4991 - Molecular Biol/Bioinfor (3)

Topics are varied and in online class listings. PREREQUISITE: permission of instructor.

COMP 4997 - Intro 3D Game Program (3)

Topics are varied and in online class listings. PREREQUISITE: permission of instructor.

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Criminology and Criminal Justice

(CJUS) CRIMINOLOGY AND CRIMINAL JUSTICE

School of Urban Affairs and Public Policy Randolph Dupont, Ph.D., Chair Room 311, McCord Hall http://cas.memphis.edu/cjustice/

CJUS 1100, 2101, 3130, and 3540 are prerequisites for all upper-division electives except CJUS 3152, 3510, 3521, and 4460. 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)

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 2101 - Criminal Justice System (3)

Detailed examination and critical analysis of law enforcement, courts, and corrections emphasizing the functions, operations, and practical realities of crime control in American society and career opportunities within the criminal justice system. PREREQUISITE: CJUS 1100.

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.

**Course Descriptions** 

College of Arts and Sciences

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African and African American Studies (AAAS)

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Philosophy (PHIL)

Physics (PHYS)

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Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

#### 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.

#### 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: MATH 1710, 1830 or 1910. [C]

#### 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 CJUS 2101.

#### 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.

#### CJUS 3326 - Courts in America (3)

Exploration and analysis of structure, process, personnel, policy, and legal theory in the American judicial system.

#### 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.

#### 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)

(3541). Examination and explanation of crime including sociological, economic, psychological, and biological theories of crime causation; theories examined in light of criminal justice data.

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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Marketing (MKTG)

# College of Communication and Fine Arts

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Art History (ARTH)

Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)

#### CJUS 3542 - Crime/Criminal Typolog (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.

#### CJUS 4010 - Latinos/Crim Just Sys (3)

Topics are varied and in online class listings.

#### 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 - Senior Seminar in CJUS (3)

Analysis of criminal justice issues from a systems perspective; emphasis on active learning, gaining familiarity with criminal justice resources, and development of analytical and writing skills. PREREQUISITE: senior standing in Criminology and Criminal Justice, or permission of department chair. [W, I]

#### 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.

#### CJUS 4130 - Ethical Dilemmas/CJUS (3)

Legal, moral, and social implications of ethical dilemmas in criminal justice, including police use Dietetics (NUTR) 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.

#### CJUS 4150 - Internship Criminal Justice (1-3)

Experience in actual criminal justice setting; both department and agency supervise and direct student program. May be repeated for maximum of 6 hours. PREREQUISITE: senior standing and/ or approval 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.

#### CJUS 4170 - Prevention/Deterance 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.

#### 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.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

Counseling, Educational Psychology and Research

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

#### **Health and Sport Sciences**

Health and Human Performance (EXSS)

Health and Sport Sciences(HMSE)

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Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

# Herff College of Engineering

#### 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.

#### CJUS 4233 - Organized Crime (3)

Nature, structure, characteristics, and investigation of syndicated crime; its impact on social and economic conditions in this country.

#### CJUS 4235 - Private/Industrial Security (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.

#### CJUS 4460 - Race/Ethn/Gendr/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.

#### 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.

#### 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.

#### 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.

#### CJUS 4533 - Juvenil Deling 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.

#### 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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Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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# **Independent Programs**

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Earth Sciences

#### (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, 1103). 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)

(ESCI 1011, GEOG 1010, 1001). 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

# **Course Descriptions**

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Philosophy (PHIL)

Physics (PHYS)

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Public and Nonprofit Administration (PADM)

Psychology (PSYC)

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Sociology (SOCI)

Statistics (MATH)

methods. Three hours lecture, three hours laboratory per week. PREREQUISITE: two years of high school algebra. [G]

#### ESCI 1020 - Landforms (4)

(ESCI 1021, GEOG 1002, 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)

(1101). (GEOL). 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)

(1102). (GEOL). Overview of history of earth and its life as interpreted from rock and fossil record; origins of continents, mountain ranges, ocean basins and natural regions of U.S. Three lecture hours, two laboratory hours per week. PREREQUISITE: ESCI 1040. [G]

#### ESCI 1103 - Environmental Geology (4)

(GEOL). Applications of Physical Geology to understanding, evaluating and solving problems created by natural hazards and those created by humans; study in management, utilization and preservation of our natural regions, finite space and resources. Three lecture hours, two laboratory hours per week. PREREQUISITE: ESCI 1040. [G]

#### ESCI 1301 - Survey of World Regions (3)

(GEOG). Survey of economic, cultural and physical traits characteristic of developing and industrialized nations. [G]

#### ESCI 1401 - Intro/Cultural Geog (3)

(GEOG). Geographical aspects of human behavior; distributional patterns and interactions of such cultural characteristics as language, religion, politics, and economics. [G]

#### ESCI 2001 - Earth Materials (3)

Formation and identification of basic minerals, rocks, soils, and natural energy materials; mandatory field trips (1-2.5 days each) in place of some laboratory hours. Two lecture hours and two laboratory hours per week. PREREQUISITE: ESCI 1020 or 1040.

#### ESCI 2301 - Fundamental of Archaeol (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 3200 - People/Culture World (3)

Major ethnographic areas and selected cultures of world.

#### ESCI 3211 - Invertebrate Paleontology (4)

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)

Decision Sciences (ISDS)

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)

(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: GEOL 1040, or permission of instructor. [W]

#### 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 3311). Classification and identification of minerals. igneous rocks, metamorphic rocks in hand specimen and under microscope; geological occurrence and use of minerals; genesis and occurrence of igneous and metamorphic rocks. Two lecture hours, four laboratory hours per week. PREREQUISITE: ESCI 1040. COREQUISITE: CHEM 1110/1111.

### 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 3512 - Structural Geology (4)

(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. [C]

#### ESCI 3712 - Sedimentology/Stratighy (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: GEOL 1050 or 1103.

#### 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 4120 - Geomorphometry (3)

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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

(GEOG). Quantitative analysis of morphology of landforms; data acquisition from field work, topographic maps, digital terrain models; GPS and GIS used to derive, store, manipulate, analyze morphometric data. Course may be repeated. PREREQUISITE: GEOG 1020/1021, or GEOL 1040.

#### 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 and soil taxonomy. Two lecture hours, two laboratory hours per week.

#### ESCI 4201 - Urbanization/Environmt (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)

(GEOL). 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 1103 or ESCI 1020/1021.

#### ESCI 4203 - Environmental Geophysics (4)

(GEOP 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)

(GEOL). 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 1103 and one semester of calculus.

#### ESCI 4213 - Field Methods/Hydrology (3)

(GEOL 4213). 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 1010/1011 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 1010/1011 and PHYS 2010/2011.

#### ESCI 4220 - Geol/Hazard/Earthquakes (3)

(GEOP). Estimation of geological aspects and hazards associated with individual earthquakes and

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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

# **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

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 - Biogeography (3)

(GEOG). Principles underlying spatial distribution of plants, including physical, biotic, and historical controls; vegetation dynamics; survey of patterns and processes of North American vegetation.

#### ESCI 4251 - Environmental Hazards (3)

(GEOG). Interrelations between human beings and natural hazards; importance of policy decisions; planet wide climatic changes, potential changes in earth-sun relations, inadequate food production, local disasters, and nuclear contamination.

#### ESCI 4252 - Global Environ Change (3)

(GEOP). 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 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, 1300, or permission of instructor.

#### ESCI 4307 - Thematic Studies/China (3)

Geographic analysis of physical, cultural, and economic characteristics of China and neighboring regions.

#### ESCI 4325 - Archaeology Fld/Lab Techn (3)

(Same as ANTH 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. May be repeated for a maximum of 6 hours credit. 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 3312.

#### ESCI 4341 - Aqueous Geochemistry (3)

(GEOL). Physical chemistry of aqueous solutions as applied to geochemical processes on earth's surface. PREREQUISITE: CHEM 1120.

#### 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 4361 - Tectonics (3)

(GEOL). Principles and geometry of plate tectonics; development of plate tectonic theory; relationship between plate motions and regional tectonics; structural, stratigraphic, magmatic, and geophysical features of various tectonic regimes. PREREQUISITE: ESCI 3512, or equivalent.

#### 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). Allocation of land for urban uses; adjustments and adaptations to existing physical phenomena; patterns, functions, and forms of specific urban land areas; and some continuous problems of urban development and growth.

#### 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: 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. [C]

#### ESCI 4522 - GIS for Business/Social Sci (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 Sci (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/Fld Studies (1-6)

(GEOG 4541). 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 4621 - Investigations In GEOG (1-3)

(GEOG 4621). 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 3312, 3512, and 3712. [I]

#### ESCI 4700 - Earth Science Internshp (1-9)

(GEOG 4700). 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-Arbuckle-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 geophysics. May be repeated for maximum of 6 hours credit. PREREQUISITE permission of instructor.

#### ESCI 4731 - Senior Thesis (1-3)

(GEOL 4731). 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 - Geog Thought/Applicatn (3)

(GEOG). Major concepts in environmental/earth sciences, human/cultural, and economic/urban geography. Proseminar format requires review of readings with oral and written presentations. Focus on synthesis and application of geographic concepts to contemporary research themes. PREREQUISITE: 23 semester hours in Geography to include: ESCI 1010, 1020, 1011, 1021, 1301 or any 43-course; ESCI 1401 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. [W, I]

#### ESCI 4841 - Biblical Archaeology (3)

(Same as ANTH 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.

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English

(ENGL) ENGLISH

Stephen Tabachnick, Ph.D., Chair Room 467, Patterson Hall http://cas.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 19 or above, or (2) an SAT verbal score of 460 or above, (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.

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 in online class listings ENGL 4101-10. Special Topics In English. (3). Topics are varied and in online class listings. ENGL 4540-4550. Special Topics in Language and Linguistics. (3). Topics are varied and 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)

(1101). 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 subscore of 19 or above, or SAT verbal score of 460 or above, or satisfactory completion of placement essay. [G]

ENGL 1020 - English Comp/Analysis (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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

(1102). 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 3210 - British Lit To 1750 (3)

Survey of major authors, themes, and movements from the medieval period through the 18th Century.

ENGL 3212 - British Lit 16th Century (3)

ENGL 3213 - Lit of English Civil Wars (3)

ENGL 3214 - 18th Century Brit Lit (3)

#### 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)

ENGL 3222 - Victorian Literature (3)

ENGL 3224 - British Lit 20th Century (3)

#### 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)

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

Greek (GREK)

U.b. (CHEDD

Hebrew (HEBR)

Italian (ITAL)

Japanese (JAPN)

Languages and Literature (LALI)

Latin (LATN)

Portuguese (PORT)

Russian (RUSS)

Spanish (SPAN)

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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)

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 Lit To 1890 (3)

ENGL 3328 - American Lit Since 1890 (3)

#### ENGL 3401 - Childrens Literature (3)

Children's literature through reading, discussion, and writing about history, characteristics, and authors of its major genres.

#### ENGL 3404 - Studies/Popular Texts (3-6)

Selected genre of popular texts, such as science fiction, fantasy, crime, mystery, or biography. May be repeated for a maximum of 6 hours credit.

#### ENGL 3500 - Practical EnglishGrammar (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; and appropriateness dependent upon context; 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. [W]

#### ENGL 3602 - Professional Write/Editing (3)

Workshop in techniques of communicating effectively in business, industry, and government; developing practical writing skills for technical publications such as reports, data analyses, and research articles; editing practices involved in packaging and distributing professional writing in printed form.

#### 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 Herff College of Engineering

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

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. [W,C]

#### ENGL 3606 - Poetry Writing (3)

Exploration of the creative process within the forms and traditions of poetry. Emphasis on student's own work. [W]

#### ENGL 3607 - Fiction Writing (3)

Exploration of the creative process within the forms and traditions of fiction. Emphasis on the student's own work. [W]

ENGL 3701 - Lit Criticism/Theory (3)

#### ENGL 4001 - Senior Honor Seminar I (3)

Intensive study of a problem in language or literature. Enrollment limited to English honors students.

#### ENGL 4102 - Women/Men/Language (3)

Topics are varied and in online class listings.

#### ENGL 4230 - Chaucer/Medieval World (3)

Studies of works by Chaucer and his contempories in their cultural context.

ENGL 4234 - Milton (3)

#### ENGL 4237 - Shakespeare II (3)

Analysis of selected plays and study of various approaches to Shakespeare.

#### ENGL 4243 - Studies/British Fiction (3)

Selected novels and short stories from a variety of periods in British literary history.

ENGL 4321 - Am Lit/Major Writers to 1860 (3)

ENGL 4322 - Am Lit/Major Writers snc 1860 (3)

ENGL 4323 - Southern Literature (3)

#### ENGL 4345 - Studies In Amer Fiction (3)

Selected novels and short stories from a variety of periods of American literature.

#### 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.

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
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Mechanical Engineering (MECH)
Technology (TECH)

### Loewenberg School of Nursing

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## **University College**

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

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

#### ENGL 4373 - Af/Am Author snc 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.

#### 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 - Contemp British Lit (3)

Relationships between literature of the United Kingdom and Commonwealth countries from 1960 to present.

#### ENGL 4442 - Studies In World Lit (3)

Examination of literary texts from a variety of national traditions in languages other than English. Readings will be in English.

#### ENGL 4451 - Studies Women and Lit (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 4461 - Bible as Literature (3)

#### ENGL 4472 - Major British Authors (3)

In-depth comparative study of two or three British authors.

ENGL 4501 - History of English Lang (3)

#### 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. [W]

#### 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. [I]

#### 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 Techiques 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. [C]

#### 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 (3-6)

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.

#### 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. [W]

#### 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.

#### 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 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 - Reports and Manuals (4)

Preparation of professional and academic reports, corporate publications, user manuals; audience and task analysis; application of design and visual rhetoric; technology tools intensive. Three lecture hours, 2 laboratory hours per week. PREREQUISITE: ENGL 3601.

#### ENGL 4619 - Web Design/Online Writing (4)

Principles and techniques of creating online user help for software and designing 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. Three lecture hours, two laboratory hours per week. Students who have received credit for ENGL 4617 cannot take this course for credit. PREREQUISITE: ENGL 3601, or permission of instructor.

#### ENGL 4630 - Intern ProfsnI 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. [I]

#### 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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Health Administration

(HADM) HEALTH ADMINISTRATION

School of Urban Affairs and Public Policy Division of Health Administration Camille Barsukiewicz, Ph.D., Interim 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.

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

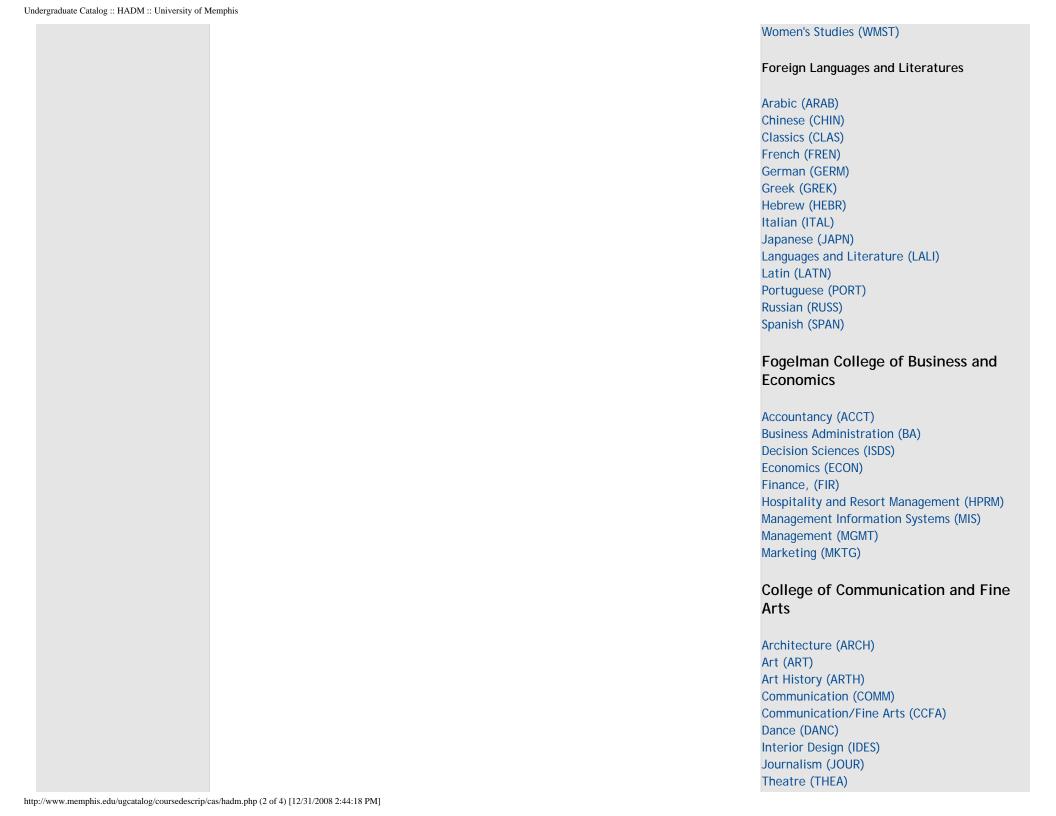
Open Learning Fire Services Program (PADM)

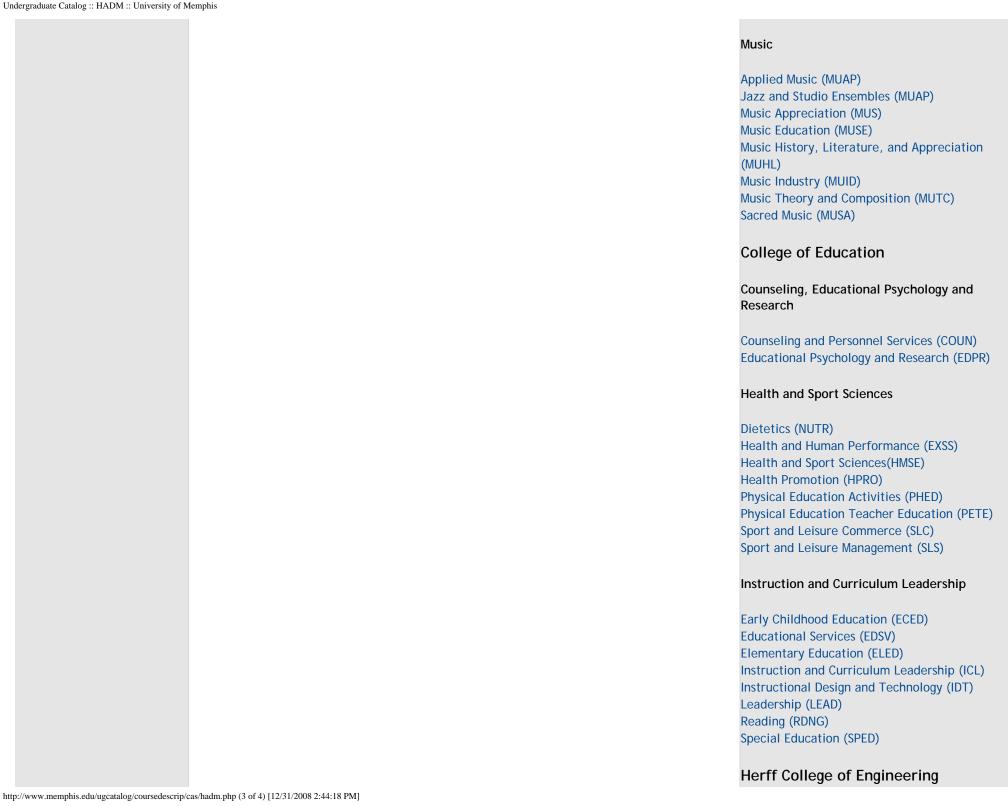
Public and Nonprofit Administration (PADM)

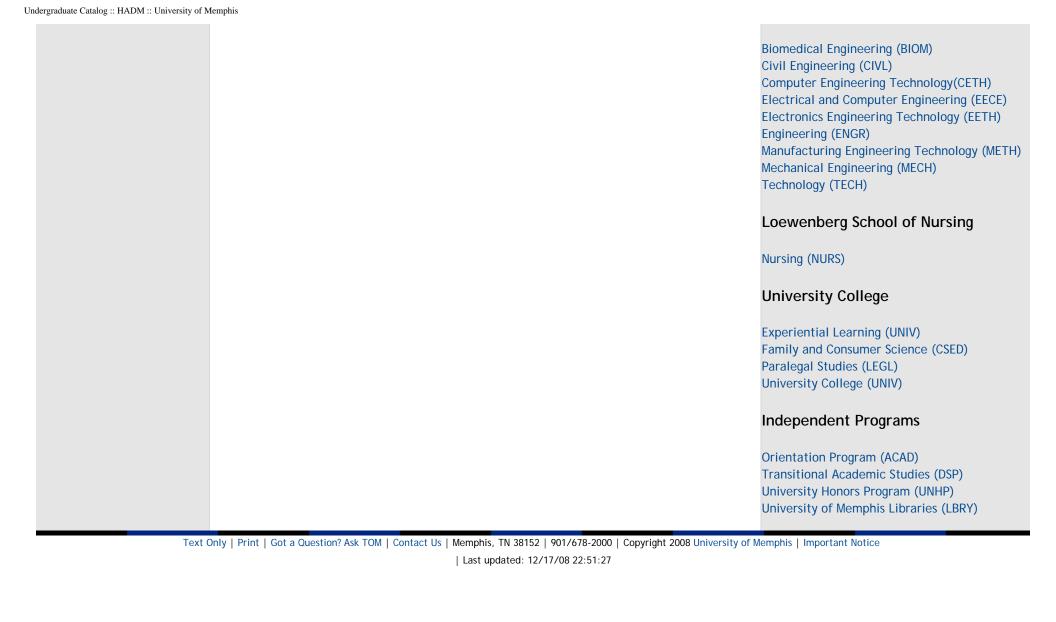
Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)









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History









(HIST) HISTORY

Janann M. Sherman, Ph.D., Chair Room 100, 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)

(1301). Especially recommended for freshmen; traces forms of civilization from beginnings to 1500. [G]

HIST 1120 - World Civilization II (3)

(1302). Especially recommended for freshmen; traces forms of civilization from 1500 to present. [G]

HIST 2010 - U S to 1877 (3)

(2601). United States from discovery to end of political reconstruction. [G]

HIST 2020 - The U S Since 1877 (3)

(2602). 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 3045 - Quantification and History (3)

Concepts of quantification in history; survey of literature of quantitative history; practical work in quantitative methods in history. PREREQUISITE: COMP 1200 or its equivalent or successful

**Course Descriptions** 

College of Arts and Sciences

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Chemistry (CHEM)

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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)

Social Work (SWRK)

Sociology (SOCI)

completion of University's computer literacy examination. [C]

#### 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 Amer (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 3274 - Modern Islamic World (3)

Survey of the Islamic World from 1800 to the present, focusing on the role of Islam in the political and social development of the Middle East, India, Asia, and Africa, as well as the emergence of Islamic communities in Europe and the Americas.

#### 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)

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.

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)** 

Decision Sciences (ISDS)

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)

#### HIST 3291 - Modern East 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 3300 - Ascent to Civilization (3)

(Same as ANTH 3300). Interdisciplinary integrative examination of nature of civilization through investigation of origins of civilization and comparative study of world's earliest civilizations. PREREQUISITE: 9 hours of history or anthropology, including either HIST 1110 or ANTH 1100. [I]

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 Counseling and Personnel Services (COUN) of the Roman Empire; flourishing of High Medieval culture; disasters after 1300; rise of humanism; Italian and Northern Renaissance.

#### HIST 3506 - Cultural/Intlctl Hist Europe (3)

Topics in history of European culture and thought from late Middle Ages to twentieth century. [W]

#### 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)

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

Counseling, Educational Psychology and Research

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

#### 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/Intellct History 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]&102;

#### HIST 3881 - African American History (3)

(4881). History and culture of African Americans in light of their experiences; aspects of 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. [W]

#### 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 4054 - U S Material Culture (3)

Intensive study of selected topics; topic announced in Schedule of Classes.

#### HIST 4055 - History of Religion (3)

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

### Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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University College (UNIV)

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY) Intensive study of selected topics; topic announced in Schedule of Classes.

#### HIST 4058 - US Great Migrations/1900 (3)

Northward and westward movements that reshaped US politics, economy, society, and millions of people.

#### HIST 4063 - Imperial Egypt/1500-1000 BCE (3)

Intensive study of selected topics; topic announced in Schedule of Classes.

#### HIST 4067 - Ottoman Empire/13-20th Century (3)

Intensive study of selected topics; topic announced in Schedule of Classes.

#### 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.

#### HIST 4162 - History of Soviet Union (3)

Detailed study of 1917 Revolution and major developments in government, economy, cultural and social life, and international affairs that followed. [W]

#### 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 4273 - Islamic Egypt (3)

Study of the political, economic, social, and cultural development of Egypt from the Islamic conquest (640) to the present.

#### 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 4295 - Intlict Hist E Asia snc 1800 (3)

Evolution of modern Chinese and Japanese thought.

#### HIST 4320 - Ancient Near East (3)

From beginning Mesopotamia down through the great oriental empires of Assyria, Babylon, 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 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 monarchial 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/Recon 1850-77 (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. [W]

#### 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/Freedon/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. Credit cannot be earned for both HIST 4996 and 4998.

#### HIST 4998 - Historical Research/Writing (3)

The nature of historical research and writing as practiced by professional historians; includes the writing of a substantial research paper. PREREQUISITE: 21 hours in history. Credit cannot be earned for both HIST 4998 and 4996.

#### 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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Interdisciplinary Studies

## (INTD) INTERDISCIPLINARY STUDIES

Interdisciplinary Studies Office Room 107, Scates Hall

The following courses, INTD 2100, 4100-4110, and 4120-4130, compose part of the interdisciplinary Environmental Studies Program described under the College of Arts and Sciences. Before offering any of these courses, an instructor must gain approval from the University's Environmental Research, Issues, and Programs Committee (room 107, Scates Hall).

#### INTD 2100 - Intro Environmental Studies (3)

Interdisciplinary environmental science course that integrates material from the physical, natural and social sciences including ecosystems, land and water resources, population dynamics and control, pollution, and environment and society.

### INTD 4100 - Topic Biol/Physical Envrn Stdy (3)

Each offering of this course must be approved by the Environmental Research, Issues, and Programs Committee. A student may repeat this course when topics are different, but may not receive more than a total of 6 hours credit for INTD 4100-4110.

### INTD 4120 - Topics Soc/Behav Envrn Stdy (3)

Each offering of this course must be approved by the Environmental Research, Issues, and Programs Committee. May be repeated when topics are different, but may not receive more than a total of 6 hours credit for INTD 4120-4130.

## **Course Descriptions**

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Anthropology (ANTH)

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Chemistry (CHEM)

Computer Science (COMP)

Criminology and Criminal Justice (CJUS)

Earth Sciences (ESCI)

English (ENGL)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

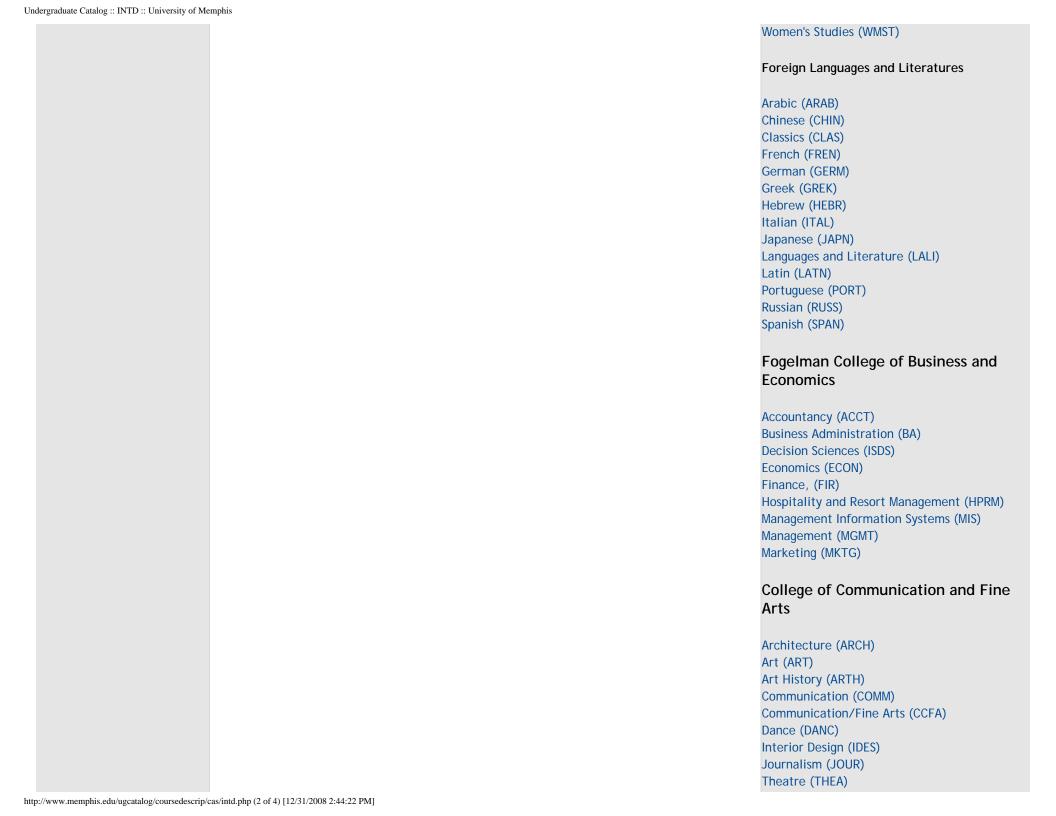
Open Learning Fire Services Program (PADM)

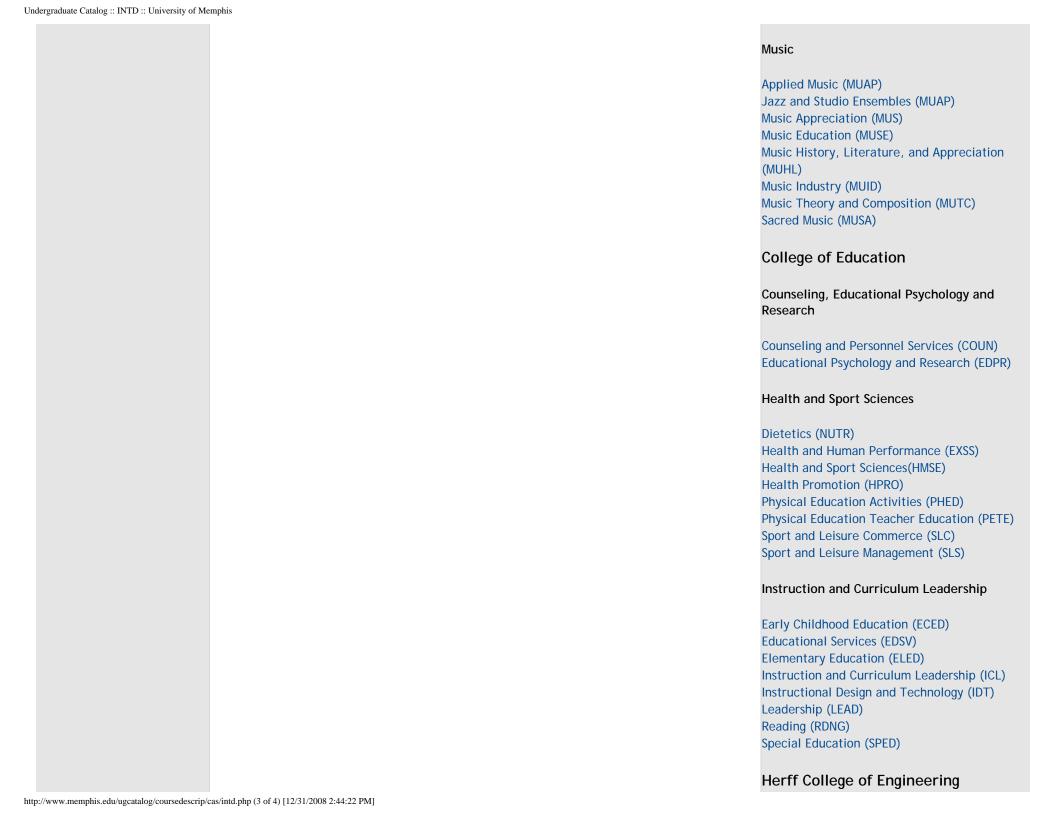
Public and Nonprofit Administration (PADM)

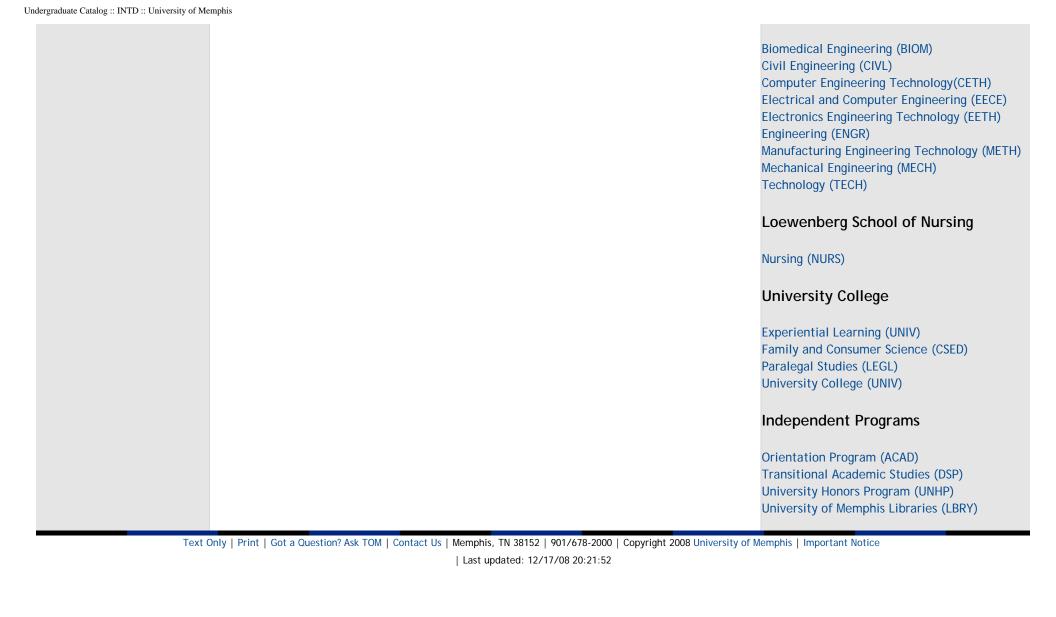
Psychology (PSYC)

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International Studies

(INTL) INTERNATIONAL STUDIES

Interdisciplinary Studies Office Room 107, Scates Hall http://cas.memphis.edu/isc/intl/

low, the department may offer the following Special Topic

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. [W, I]

#### 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 Individ 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.

## **Course Descriptions**

### College of Arts and Sciences

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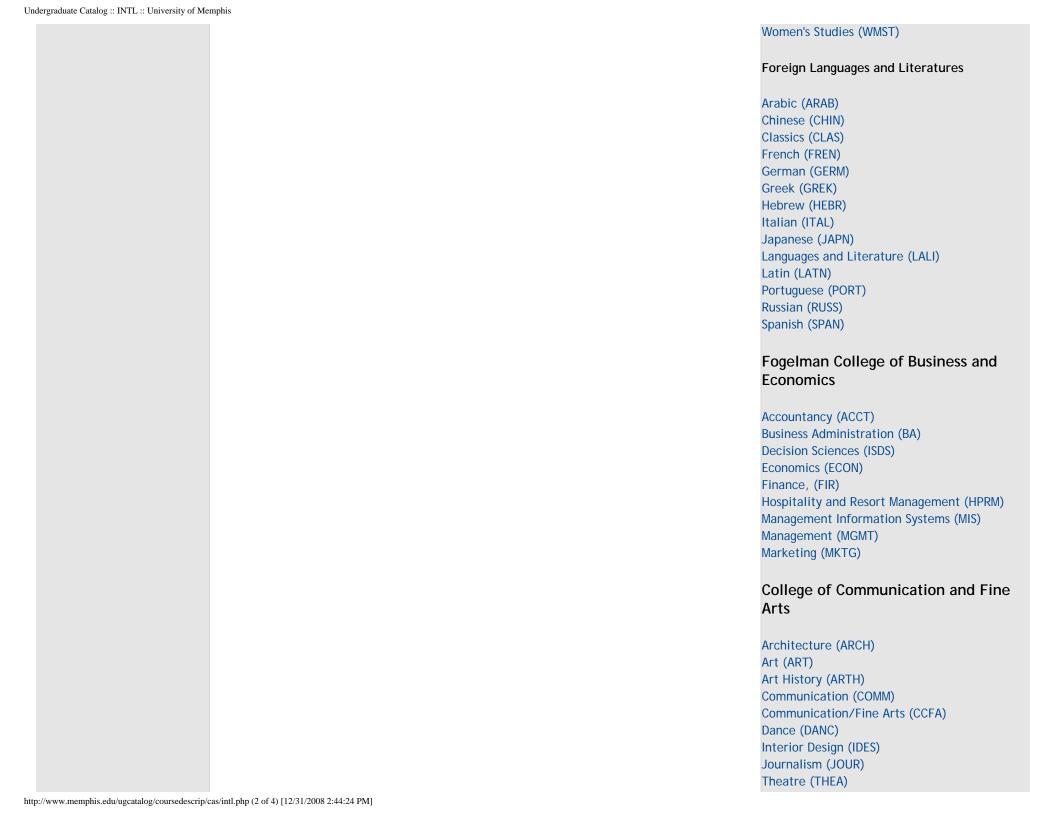
Open Learning Fire Services Program (PADM)

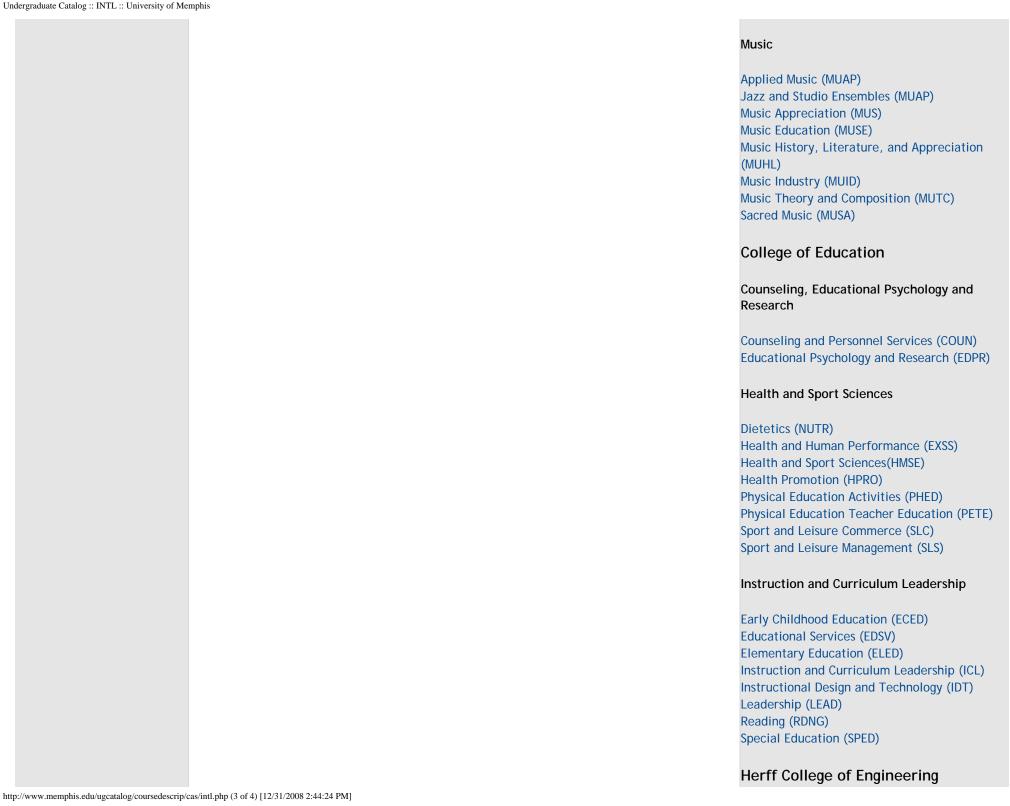
Public and Nonprofit Administration (PADM)

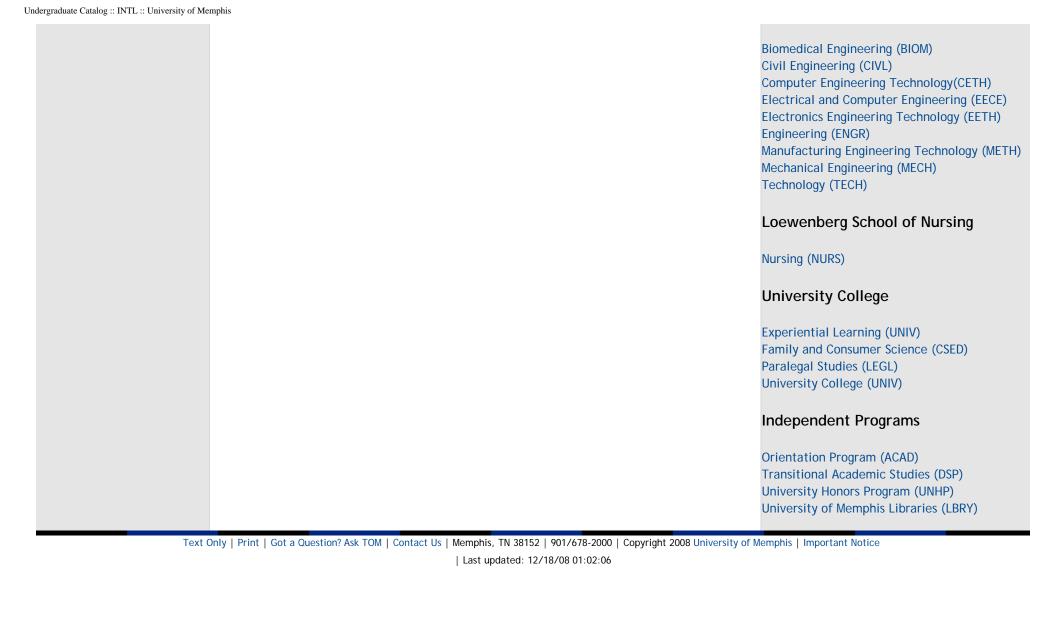
Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)
Statistics (MATH)









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Academic Regulations	Room 301, Mitch		Colleg
Graduation from the	http://cas.memphis.e	edu/isc/jdst	concy
University	In addition to the courses below, the department may	affor the following Special Tenics	Aerospa
Colleges and Degree	courses: JDST 4700-4799. Special Topics. (1-3). Exa		African
Programs	the online class listing.	·	Anthrop Biology
Course Descriptions			Chemist
Faculty and Staff	JDST 2850 - Religions Of Abraham (3)		Comput
Catalog Archive and	(UNIV). Survey of development of several Near Eastern religious traditions; consideration of intellectual relationships among them. [G]		Crimino Earth So
University Links			English
Class Offerings	JDST 3601 - Judaism (3)	tural life of the lowich people, and its	Health
	Fundamental principles of Judaism, its role in the culinfluence on human civilization.	tural life of the sewish people, and its	History Interdis
Search the catalog:			Internat
	JDST 3661 - Old Testament (3) (4661). (Same as LALI 3661). Interdisciplinary examina	tion of portions of Hebrew Bible. Mishnah.	Judaic 9
	Midrash, and other texts along with commentaries. Al		Mathem
	JDST 3801 - Jewish Thought I (3)		Military Naval S
	(UNIV 3801). Thinkers and texts that shaped Jewish th	nought and life in ancient and medieval	Philosop
	times; Talmud, the Midrash, the Kabbalah, and such t	hinkers as Saadia Gaon, Solomon ibn	Physics
	Gabriel, Judah Halevi, Maiminides.		Politica Open Le
	JDST 3802 - Jewish Thought II (3)		Public a
	Continuation of JDST 3801, from 16th century until m	odern times; concepts of God, humanity,	Psychol

nature, good and evil, making meaning out of life, and others.

(Same as UNHP 4404, UNIV 4511). Interdisciplinary study of issues that arise out of the

JDST 4511 - Holocaust Studies (3)

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Social Work (SWRK)

Sociology (SOCI)

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.

#### 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 outof-class learning contract and approval of director of Bornblum Judaic Studies.

#### 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)** 

**Decision Sciences (ISDS)** 

**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)

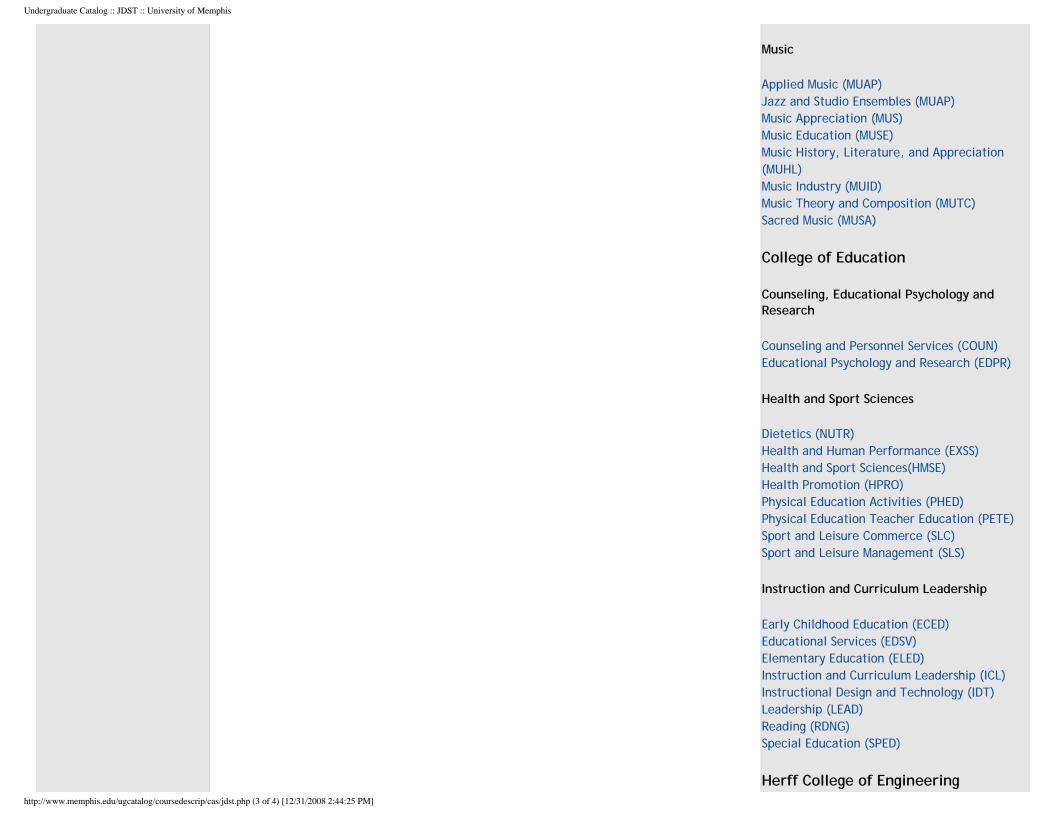
Communication/Fine Arts (CCFA)

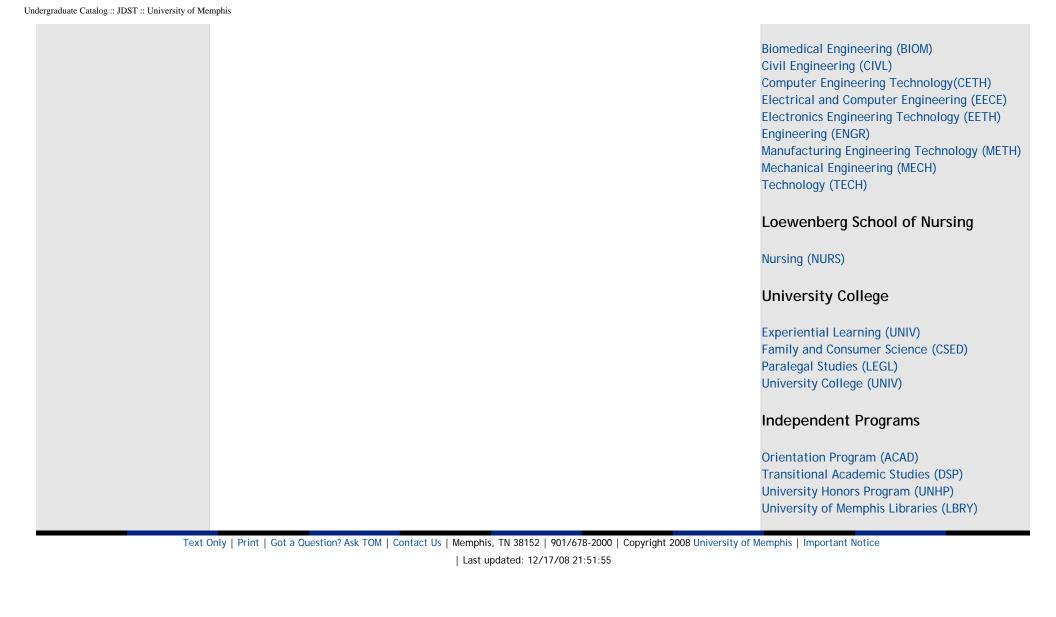
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Journalism (JOUR)

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Mathematics

(MATH) MATHEMATICS

Department of Mathematical Sciences James E. Jamison, Ph.D., 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; not applicable toward fulfilling credit hour minimum for degrees in The College of Arts and Sciences. PREREQUISITE: two years of high school algebra or DSPM 0850 with C- or better.

#### MATH 1420 - Foundations of Mathematics (3)

(1182). Algebra review and applications; functions, graphs, permutations, combinations; introduction to probability and statistics; problem solving. PREREQUISITE: two units of high school algebra or DSPM 0850. [G]

#### MATH 1421 - Honors Calculus I (4)

(1401). 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,

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Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

algebraic thinking, number theory, rational numbers, real numbers. PREREQUISITE: two units of Women's Studies (WMST) high school algebra or DSPM 0850.

#### MATH 1530 - Prob/Statistics/Non Calculus (3)

(1601). 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: Two years of high school algebra or DSPM 0850. [G]

#### MATH 1710 - College Algebra (3)

(1211). 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: two years of high school algebra, or DSPM 0850. [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 1720 and MATH 1730 will not satisfy a six semester hour degree requirement. PREREQUISITE: placement test recommended but not required; MATH 1710.

#### MATH 1730 - College Algebra/Trig (4)

(1213). 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 doubleangle 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: two units of high school algebra, or DSPM 0850. [G]

#### MATH 1830 - Elementary Calculus (3)

(1312). 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 (with a minimum grade of C), ACT Math subscore of at least 24, or equivalent SAT Math score. [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)

(1321). Introduction to calculus of one real variable; limits; continuity; derivatives; applications of derivatives including Newton's method, graphing techniques, optimization, indeterminate

#### Foreign Languages and Literatures

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Classics (CLAS)

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German (GERM)

Greek (GREK)

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Spanish (SPAN)

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Art (ART)

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Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)

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 Music credit for both MATH 1910 and MATH 1421. PREREQUISITE: MATH 1720 (with a minimum grade of C) or MATH 1730 (with a minimum grade of C), or satisfactory score on placement exam. [G]

#### MATH 1920 - Calculus II (4)

(2321). 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 College of Education 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 2110 - Calculus III (4)

Multivariable calculus including three-dimensional analytic geometry and vectors, guadratic 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)

(1402). 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 2701 - Discrete Structures (3)

Elementary logic; sets, relations, functions, orderings, equivalence relations, partitions: finite sets, modular arithmetic; natural numbers, mathematical induction, strings, string programs, connectedness, traversals, graph algorithms. NOTE: students may not receive credit for both MATH 2701 and MATH 2702. PREREQUISITE: MATH 1910. COREQUISITE: COMP 2701.

#### MATH 2702 - Intro Proof/Fundamental Math (3)

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)

(3391). Ordinary differential equations including series solutions. PREREQUISITE: MATH 2110.

Applied Music (MUAP)

Jazz and Studio Ensembles (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and Appreciation

(MUHL)

Music Industry (MUID)

Music Theory and Composition (MUTC)

Sacred Music (MUSA)

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

#### 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 2701, MATH 2702, 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 2701, 2702, or permission of instructor. [C]

#### 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 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 2702.

#### MATH 4014 - Intro to Graph Theory (3)

Topics are varied and announced in Schedule of Classes. PREREQUISITE: permission of instructor.

#### MATH 4019 - Honors Seminar/Math I (1)

Topics are varied and announced in Schedule of Classes. 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 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 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 2701, MATH 2702, or permission of instructor. [I]

#### 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.

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

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Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

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. [W]

#### 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 Diffrntial Equation I (3)

Laplace transforms; Fourier series; introduction to partial differential equations. PREREQUISITE: MATH 3120.

#### MATH 4392 - Partial Diffrntl Equation II (3)

Methods of characteristics; Green's functions; existence and regularity of solutions of boundary value; Cauchy problems. PREREQUISITE: MATH 4391.

#### 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; combing, 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, etc, 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 2701.

#### 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 - Statistical Methods (3)

Basic concepts of hypothesis testing; comparisons of two population 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 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 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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Military Science

(ARMY) MILITARY SCIENCE

LTC. Gregory V. Marinich, 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, basic rifle marksmanship, first aid, and orienteering.

ARMY 1100 - Leadership Laboratory (1)

Two laboratory hours per week. COREQUISITE: ARMY 1110.

ARMY 1110 - Intro Military Science (1)

Introduction to Army ROTC with hands-on approach through several basic military skills. Lectures and practical exercises in following areas: rappelling, communications, weapons, first aid, and land navigation. There is no military obligation. COREQUISITE: ARMY 1100.

ARMY 1115 - Leadership Laboratory (1)

Two laboratory hours per week. COREQUISITE: ARMY 1120.

ARMY 1120 - Ldrshp/Confidence Bldg (2)

Basic military first aid skills; lectures and practical exercises in basic emergency treatment for fractures, lacerations, heat and cold injuries; cardiopulmonary resuscitation. THIS COURSE DOES Political Science (POLS) NOT PROVIDE RED CROSS OR ANY OTHER CERTIFICATION. COREQUISITE: ARMY 1115.

ARMY 2100 - Leadership Laboratory (1)

Two laboratory hours per week. COREQUISITE: ARMY 2105.

ARMY 2105 - American Military Hist (3)

Developments since colonial period; emphasis on background and growth of national military

**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)

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Mathematics (MATH)

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Philosophy (PHIL)

Physics (PHYS)

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Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

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 2115 - Leadership Laboratory (1)

(2110 lab). Two laboratory hours per week. COREQUISITE: ARMY 2120. [G]

#### ARMY 2120 - Fundamental Survival (1)

(2110). Basic Military Skills including map reading, military first aid skills and small unit leadership. One hour weekly classroom instruction. COREQUISITE: ARMY 2115. [G]

#### ARMY 2140 - Small Unit Tactics I (2)

Emphasis on preparation of the individual for combat. 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 practica.

#### ARMY 2145 - Small Unit Tactics II (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 practica. Expands material taught in ARMY 2140 but may be taken independently of 2140.

#### ARMY 2190 - Basic Camp Practicum (1-6)

Six-week training normally taken during the summer between the second and third years by those students who have not taken previous ROTC training, or who have not completed the required basic military science courses for advanced course enrollment. Training conducted at designated U.S. Army installation and includes practical experience in leadership, small unit tactics, weapons drill, and communications under field conditions. After completion of camp, student required to complete satisfactorily an examination administered by Military Science Department. Student must register for this course following successful camp completion to receive appropriate credit. Students receive approximately \$670 pay, room and board, and travel expenses. No military obligation is incurred. PREREQUISITE: Permission of Professor of Military Science

#### ARMY 3100 - Leadership Laboratory (1)

Two laboratory hours per week. COREQUISITE: ARMY 3111.

#### ARMY 3111 - Applied Leadership I (3)

(3110, 3190). 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; and professional subjects in leadership, leadership assessment, and principles of war. Three lecture hours per week, three hours physical training per week, and field training exercises on two weekends during semester. COREQUISITE: ARMY 3100. PREREQUISITE: permission of the Professor of Military Science.

#### ARMY 3115 - Leadership Laboratory (1)

Two laboratory hours per week. COREQUISITE: ARMY 3121.

#### 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)

**Decision Sciences (ISDS)** 

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)

#### ARMY 3121 - Applied Leadership II (3)

(3120). Continuation of first year advanced course. COREQUISITE: ARMY 3115. PREREQUISITE: permission of the Professor of Military Science.

#### ARMY 3190 - Advanced Camp Practicum (6)

Six weeks of training at an Army post, normally taken between the 1st and 2nd years of Advanced Course; practical experience in leadership, small unit tactics, U.S. Army weapon systems and equipment, and patrolling operation; examination administered by the Department of Military Science required to receive academic credit. Students must register for course following successful camp completion to receive credit. PREREQUISITE: permission of Professor of Military Science.

#### ARMY 4100 - Leadership Laboratory (1)

Two laboratory hours per week. COREQUISITE: ARMY 4111.

#### ARMY 4111 - Sem Leadership/Planning (3)

(4110). Leadership and management skill development in specific areas of oral and written communications, training management, personnel evaluation and counseling, personnel management systems of Army, U.S. Army logistic systems, military justice, and familiarization with ethics of military professional. This course, in conjunction with ARMY 4121, completes the cadet's preparation for commissioning as a Second Lieutenant in the Army Reserve or National Guard. Three lecture hours every week, three hours physical training each week, and field training exercises on two weekends during semester. COREQUISITE: ARMY 4100. PREREQUISITE: permission of the Professor of Military Science.

#### ARMY 4115 - Leadership Laboratory (1)

Two laboratory hours per week. COREQUISITE: ARMY 4121.

#### ARMY 4121 - Sem Organizatni Leadership (3)

(4120). Continuation of second year of advanced course. COREQUISITE: ARMY 4115. PREREQUISITE: permission of the Professor of Military Science.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

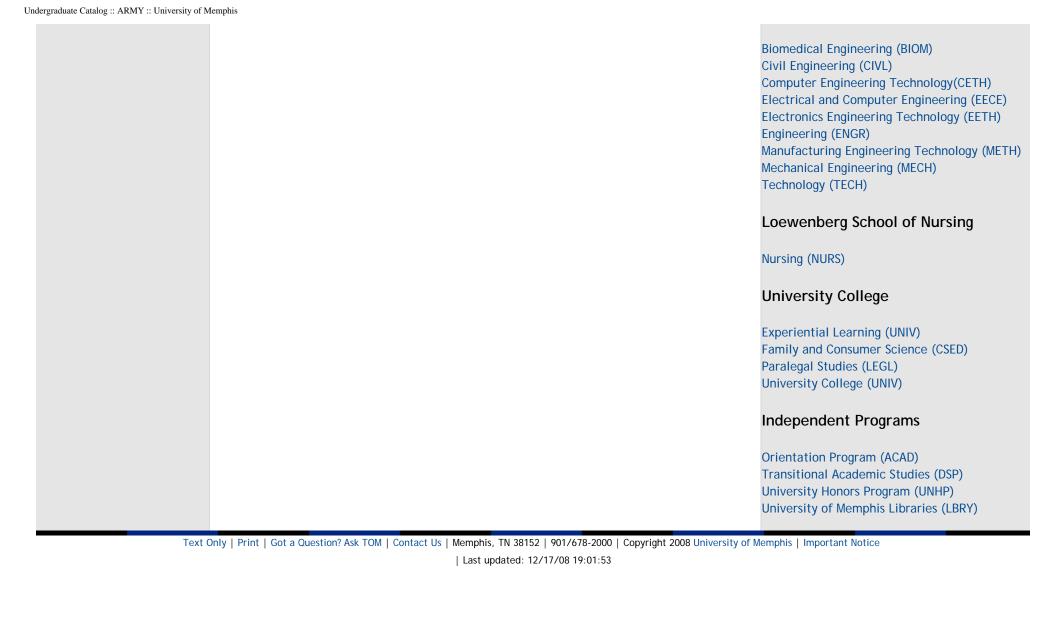
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Reading (RDNG)

Special Education (SPED)

## Herff College of Engineering





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(NAVY) NAVAL SCIENCE

Commander Tim Ferree, USN, Professor of Naval Science

Room 120A, Hayden Hall

http://cas.memphis.edu/nrotc

Graduation from the University

Search the catalog:

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University

Colleges and Degree NAVY 1100 - Navy Laboratory (1)

Two laboratory hours per week. [G]

Course Descriptions NAVY 1101 - Intro Naval Science (2)

Orientation and concepts of seapower; mission, organization, and warfare components of the Navy and Marine Corps. COREQUISITE: NAVY 1100.

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NAVY 1104 - Navy Laboratory (1)

(2203). Two laboratory hours per week. [G]

Class Offerings

NAVY 1105 - Sea Pwr/Maritme Affairs (3)

(2202). U.S. naval history from the Revolution to the present with emphasis on major developments; present day concerns in seapower and maritime affairs. COREQUISITE: NAVY 1104.

NAVY 2204 - Navy Laboratory (1)

(1103). Two laboratory hours per week. [G]

NAVY 2205 - Naval Ships System I/Engr (3)

(1102). Ship characteristics and types including ship design, hydrodynamic forces, stability, compartmentation, propulsion, electrical and auxiliary systems, interior communications, ship control, and damage control. COREQUISITE: NAVY 2204.

NAVY 2206 - Navy Laboratory (1) Two laboratory hours per week. [G]

NAVY 2401 - Naval Leadership/Mgmt (2)

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Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Advanced study of organizational behavior and management in the context of the naval organization. Practical applications are explored by the use of experiential exercises, case studies, and laboratory discussions. COREQUISITE: NAVY 2206.

#### 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. [G]

#### NAVY 3301 - Navgation/Naval Oprtns I (3)

Piloting and celestial navigation including theory, principles, and procedures, use of charts, visual and electronic aids, and the theory and operation of magnetic and gyro compasses. Three class hours and two hours of Navy Laboratory\* per week.

#### NAVY 3302 - Navigation/Naval Oprtns II (3)

International and inland rules of the nautical road, relative-motion vector-analysis theory, relative motion problems, formation tactics, and ship employment. Three class hours and two hours of Navy Laboratory\* per week.

#### NAVY 3310 - Evolution of Warfare (3)

Historical development of warfare from the beginning of recorded history to the present focusing on the impact of major military theorists, strategists, tacticians, and technological developments. Three class hours and two hours of Navy Laboratory\* per week.

#### NAVY 4000 - Marine Corps Ldrshp Training (6)

Summer instruction ("Bulldog") conducted at the Marine Corps Officer Candidate School, Quantico, Virginia. Intensive six-week professional training program for Marine Option Junior Midshipmen; Marine Corps history and tradition, leadership under high stress situations, and effective management of men and materials in simulated combat conditions.

#### NAVY 4207 - Naval Ships Sys II/ Weapons (3)

Theory and employment of weapons systems. Processes of detection, evaluation, threat analysis, delivery, guidance, and explosives. Three class hours of Navy Laboratory\* per week.

#### NAVY 4402 - Naval Leadership in Ethics (2)

Naval junior officer responsibilities in naval administration; builds on and integrates the professional competencies developed in prior course work and professional training. Two class hours and two hours of Navy Laboratory\* per week.

#### NAVY 4410 - Amphibious Warfare (3)

Historical survey of the development of amphibious doctrine and the conduct of amphibious operations. Emphasis is placed on the evolution of amphibious warfare in the 20th century, especially during World War II. Three class hours and two hours of Navy Laboratory\* per week.

\*Navy Laboratory. Focuses on the requisite moral, leadership and physical qualifies for becoming a commissioned officer.

#### Women's Studies (WMST)

#### Foreign Languages and Literatures

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## Fogelman College of Business and Economics

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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)

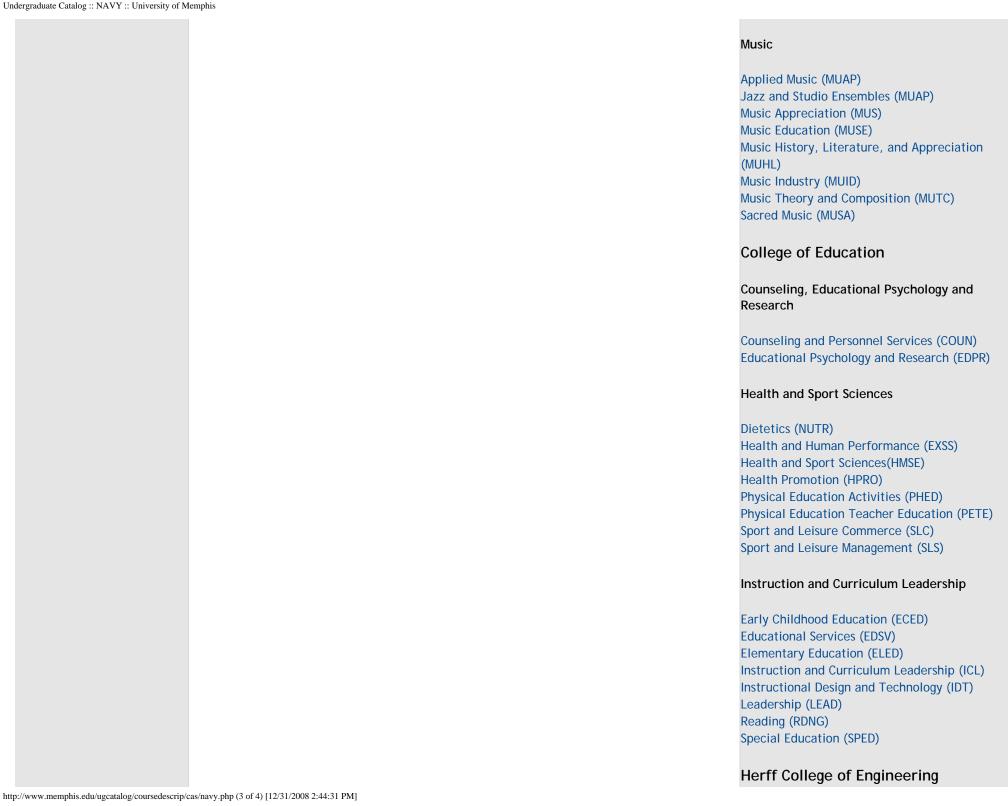
Communication (COMM)

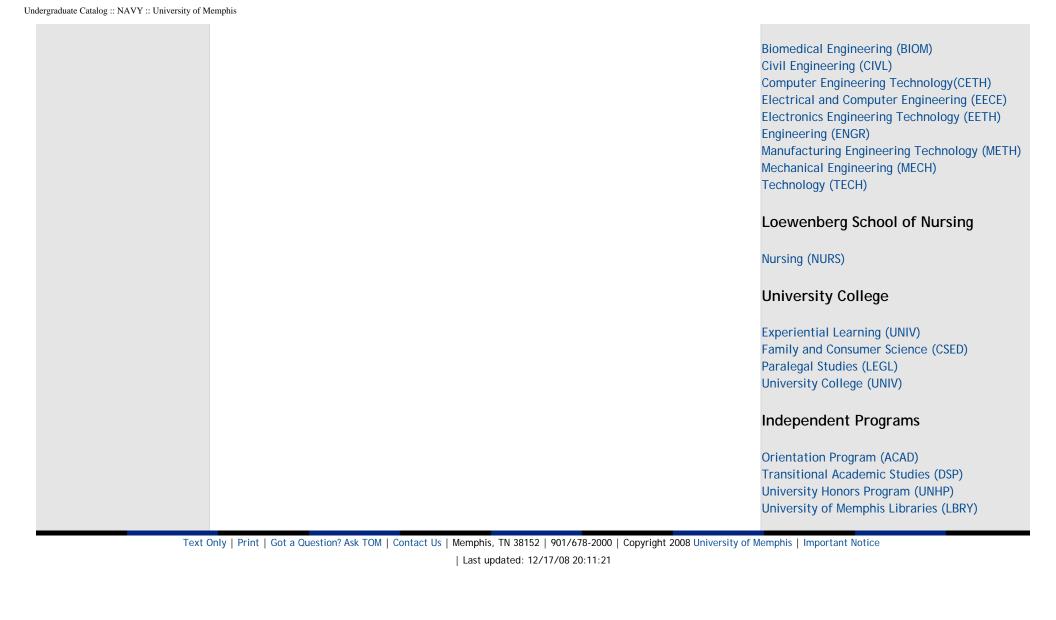
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Philosophy

(PHIL) PHILOSOPHY Nancy D. Simco, 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/Classic 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.

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Social Work (SWRK)

Sociology (SOCI)

#### 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.

#### 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. [W]

#### PHIL 3512 - Science/Techology/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,

Women's Studies (WMST)

### Foreign Languages and Literatures

Arabic (ARAB)

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Management Information Systems (MIS)

Management (MGMT)

Marketing (MKTG)

## College of Communication and Fine Arts

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Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

practices such as punishment.

#### PHIL 3621 - Intermediate Logic (3)

Symbolic logic, including propositional calculus, lower functional calculus, and related topics. PREREQUISITE: PHIL 1611, or permission of instructor. [C]

#### 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 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.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

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### 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

#### 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)

(3351). 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 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.

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

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Physics









(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)

(1101 lab). Laboratory experiments and techniques to accompany PHYS 1010. Two laboratory hours per week. PREREQUISITE or COREQUISITE: PHYS 1010. [G]

PHYS 1002 - Astronomy Laboratory (1)

(1102 lab). Laboratory experiments and techniques to accompany PHYS 1020. Two laboratory hours per week. PREREQUISITE or COREQUISITE: PHYS 1020. [G]

PHYS 1010 - Introductory Physics (3)

(1101). 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)

(1102). 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. Sociology (SOCI) NOTE: PHYS 1002 must be taken concurrently to satisfy the General Education Program

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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)

Psychology (PSYC)

Social Work (SWRK)

requirement. Three lecture hours per week. [G]

#### PHYS 2010 - General Physics I/Trig (3)

(2110). 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)

(2001). 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)

(2120). 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)

(2002). 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)

(2510). Principles of mechanics using methods of calculus; Newton's laws, kinetic and potential energy, linear and angular momentum. NOTE: For first-time enrollees, PHYS 2111 must be taken concurrently. Three lecture hours per week. PREREQUISITE or COREQUISITE: MATH 1910. [G]

#### PHYS 2111 - Sci/Engr Phys Lab I (1)

(2003). Laboratory experiments and techniques to accompany PHYS 2110. Two laboratory hours per week. PREREQUISITE or COREQUISITE: PHYS 2110. [G]

#### PHYS 2115 - Classical Physics (3)

Principles of fluid dynamics, sound, heat, optics, special relativity. Recommended for all science and engineering majors. Required for physics majors. Three lecture hours per week. PREREQUISITE: PHYS 2010 or PHYS 2110.

#### PHYS 2120 - Sci/Engr Phys II/Calc (3)

(2520). Continuation of PHYS 2110. Principles of electromagnetism using methods of calculus; Gauss's Law, current, resistance, capacitance, Faraday's Law, inductance. NOTE: for first-time enrollees, PHYS 2121 must be taken concurrently. Three lecture hours per week. PREREQUISITE: PHYS 2110 and MATH 1920. [G]

#### PHYS 2121 - Sci/Engr Phys Lab II (1)

(2004). 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)

Principles and applications of quantum mechanics; atomic structure, nuclear and particle physics; solid state, radiation, molecular physics. Three lecture hours per week. PREREQUISITE: PHYS 2120 and MATH 2110. [C]

#### PHYS 3011 - Theoretical Physics I (3)

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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**Decision Sciences (ISDS)** 

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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)

Special mathematical techniques in solution of physical problems; emphasis on vector calculus, boundary value problems, eigen-value problems, and Fourier series. Three lecture hours per week. PREREQUISITE: MATH 2110. [C]

#### PHYS 3012 - Theoretical Physics II (3)

Continuation of PHYS 3011 covering complex variables, partial differential equations and special functions of physics. Three lecture hours per week. PREREQUISITE: PHYS 3011.

#### PHYS 3111 - Mechanics I (3)

Advanced classical mechanics; includes statistics, dynamics of particles, rigid bodies, fluid flow, work, energy, momentum, force fields, and harmonic motion. Three lecture hours per week. PREREQUISITE: PHYS 2120. COREQUISITE: PHYS 3011 and MATH 3120.

#### PHYS 3211 - Electricity/Magnetism I (3)

Electromagnetic fields and waves, dielectrics, induced electromotive force, magnetic energy, magnetic materials, Maxwell's equations, and reflection and refraction. Three lecture hours per week. PREREQUISITE: PHYS 2120, PHYS 3011, and MATH 2110.

#### PHYS 3610 - Experimental Techniques I (1)

Introduction to independent experimentation and data analysis. Includes experiments in mechanics, electricity and magnetism, optics and modern physics. Three laboratory hours per week. PREREQUISITE: PHYS 2120.

#### PHYS 3611 - Experimental Techiques II (1)

Continuation of PHYS 3610. Three laboratory hours per week. PREREQUISITE: PHYS 3610.

#### PHYS 4000 - Materials Science (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 4020 - Biophysics (3)

(3040). Biomedical applications of physics, understanding electric potentials in biological systems, electrodynamics of nerves, interactions of photons and charged particles in biological materials; use of X-rays in imaging and treatment. Three lecture hours per week. PREREQUISITE: PHYS 2020 or PHYS 2120.

#### 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.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

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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)

## Herff College of Engineering

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, galaxies, quasars, beginning and evolution of the universe. Three lecture hours per week. PREREQUISITE: PHYS 3051.

#### 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 - Optics (3)

Brief review of geometrical optics; concentration on wave optics; polarization phenomena, interference, diffraction, coherence, holography, and scattering. Three lecture hours per week. PREREQUISITE: PHYS 3011 and PHYS 3211.

#### 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)

Experimental basis of quantum theory; development of Schrodinger equation and its solution of simple systems; selected applications in atomic and molecular structure. Three lecture hours per week. PREREQUISITE: PHYS 3010, PHYS 3111, and PHYS 3211.

#### PHYS 4510 - Thermodynamics (3)

Mathematical treatment of thermodynamics, including such topics as work, energy, enthalpy, entropy, reversible and irreversible processes, equilibria, specific heats, and phase transitions. Three lecture hours per week. PREREQUISITE: PHYS 2120 and PHYS 3011. [W]

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Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

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Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

#### PHYS 4610 - Solid State Physics (3)

Such topics as lattice vibrations, specific heats, electrical and thermal conductors in solids, magnetism. Three lecture hours per week. PREREQUISITE: PHYS 4410. [I]

#### PHYS 4910 - Seminar (1)

Special projects, reports and investigation of current literature and research. May be repeated for maximum of 2 hours credit. PREREQUISITE: permission of instructor. (S/U).

#### 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 completed in PHYS 4991/4992. Open only to senior honors students in physics. COREQUISITE: PHYS 4992.

#### PHYS 4990 - Research in Physics (1-4)

Collaboration with faculty member on problem of mutual interest. Two to eight laboratory or equivalent hours per week. May be repeated for maximum of 4 hours credit. Students expected to complete prospectus in collaboration with faculty member before registering. 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 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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Political Science

#### (POLS) POLITICAL SCIENCE

Shannon Lindsey Blanton, Ph.D., Chair Room 437, Clement Hall http://polisci.memphis.edu

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 1100 - American Government (3)

(2211). 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 That (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 - Governments of the World (3)

(2301). Comparison of institutions, issues, processes and policies in a variety of political systems Public and Nonprofit Administration (PADM) 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

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

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 1100, 1101, or 1102.

#### 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 1100, 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 1100, 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 1100, or permission of instructor.

#### POLS 3216 - Political Parties/Elections (3)

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 1100, 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 1100, or permission of instructor.

#### POLS 3218 - Chief Executive (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 1100, or permission of instructor.

#### POLS 3219 - Judicial Process (3)

(4220). 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 1100, or permission of instructor.

#### POLS 3220 - Legislative Process (3)

(4217). Origins, organization, functions, and activities of the U.S. Congress. PREREQUISITE: POLS Communication/Fine Arts (CCFA) 1100, or permission of instructor.

#### POLS 3221 - Public Opinion (3)

Exploration of political attitudes and behavior; examination of such topics as sources of political

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)

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Latin (LATN)

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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)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

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.

#### 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.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (MUAP)

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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Health and Sport Sciences(HMSE)

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Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

## Herff College of Engineering

#### POLS 3410 - Contemporary Political Thght (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 1100 or 1501.

#### POLS 3509 - Contmp Prblm Intl Relation (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. [W]

#### 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. [C]

#### POLS 4200 - Envrnmntl Law/Policy/Regulatn (3)

Survey of the principal federal laws, policies and regulations concerning environmental use and protection.

#### POLS 4211 - Const 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 1100, or permission of instructor. [W]

#### POLS 4212 - Const Law Civil Liberty (3)

Background, role, and legitimate extent of civil rights and liberties in the United States. PREREQUISITE: POLS 1100, or permission of instructor. [G]&102;

#### POLS 4222 - Urban Politics (3)

Roles and processes of politics and governance in urban America in contest of global, social; economic influences on cities and suburbs.

#### POLS 4223 - Issues/Urban Politics (3)

Selected issues in urban politics and policy.

#### POLS 4230 - Legislative Interns (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.

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Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

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## **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY)

### POLS 4231 - Admin 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 - Govt and Pol 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. [W]

#### 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. [I]

#### POLS 4399 - Res & Studies Abroad (1-6)

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]&102;

#### 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 1100, 1101, or 1102.

#### POLS 4416 - African-Am Pol Tht from 1900 (3)

(4414). Thought of representative African-Americans upon fundamental questions of justice, right, persuasion, power and accommodation in the twentieth century. PREREQUISITE: POLS 1100, 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 1100 or 1501. [I]

#### POLS 4508 - Theories Internatl 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. [W]

#### 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 Conflict (3)

Sources of conflict between nations; characteristics of international system, national attributes, decision making.

#### 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 1100, or permission of instructor. [W,I]

#### 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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Public and Non Profit Administration

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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 3601 - Public Admin (3)

Concepts and practices of organization and management in executive departments, national, state, and local; analysis of bureaucracy, administrative theory, budgeting; personnel, administrative leadership. [W]

#### PADM 3610 - Personnel Mgmt Fire Service (3)

(POLS 3610). Personnel practices and management procedures; manpower planning, labor relations recruitment, selection, testing, performance appraisals, classification, motivation, politics, and management.

#### PADM 3611 - Disaster/Fire Defense Planning (3)

(POLS 3611). 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)

(POLS 3612). 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.

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

#### PADM 3613 - Fire/Emergency Admin (3)

(POLS 3613). 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)

(POLS 3614). 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. [W]

#### PADM 3615 - Community Risk Reduction (3)

(POLS 3615). 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. [C]

#### 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 Organizatns (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.

#### 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

Women's Studies (WMST)

### Foreign Languages and Literatures

Arabic (ARAB)

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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)

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 non-profits as extensions of family values; contributing to better understanding of neighborhoods and various intervention strategies.

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## College of Education

Counseling, Educational Psychology and Research

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Dietetics (NUTR)

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## Instruction and Curriculum Leadership

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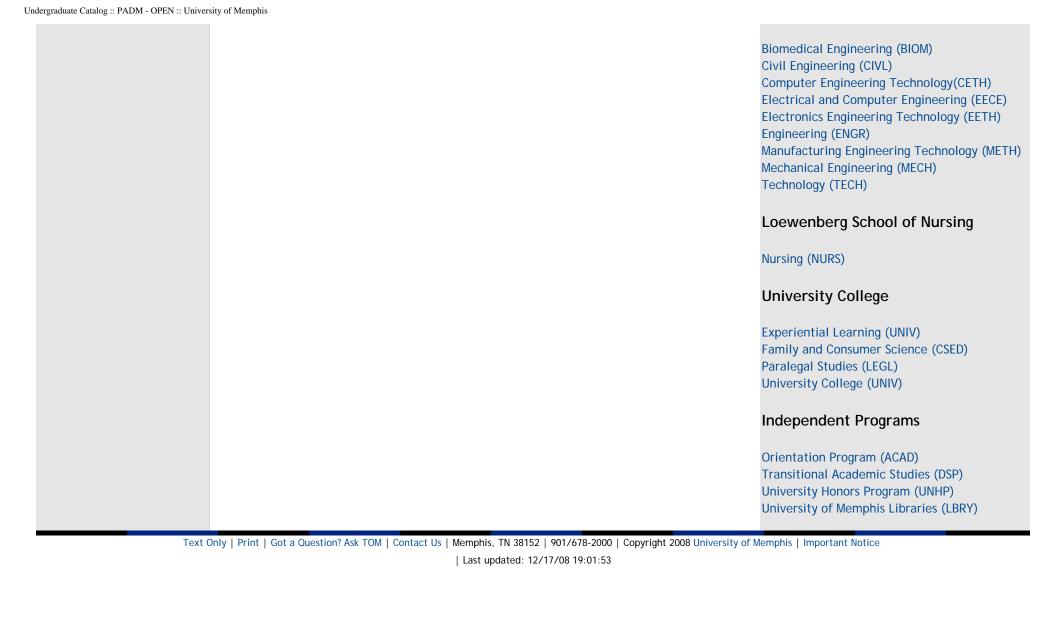
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Public and Non Profit Administration

(PADM) PUBLIC and NONPROFIT ADMINISTRATION

School of Urban Affairs and Public Policy
Division of Public Administration
Dorothy L. Norris, 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.

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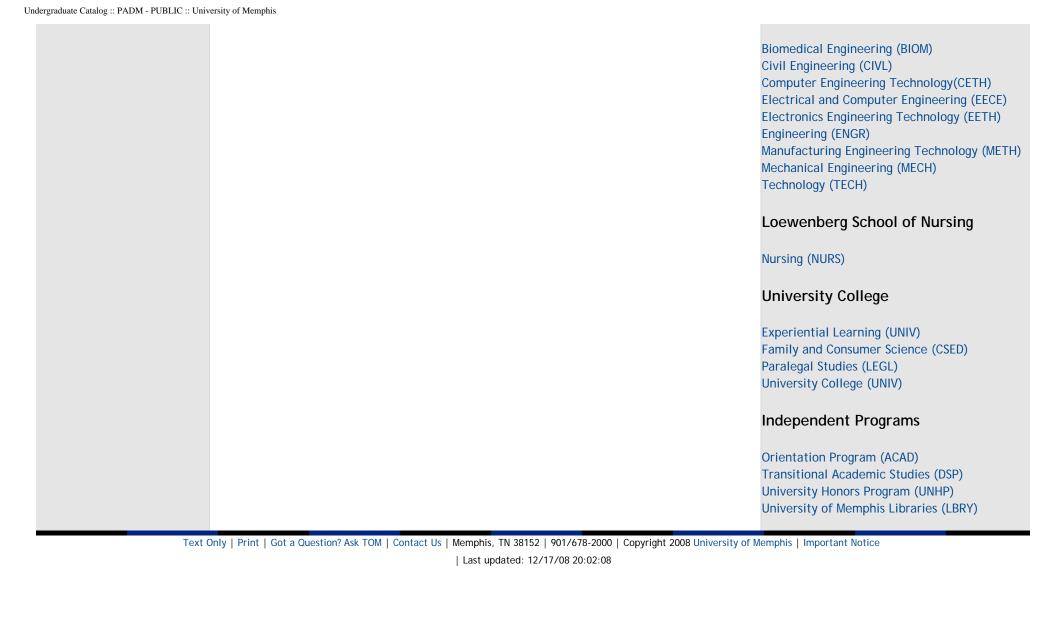
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Psychology









(PSYC) PSYCHOLOGY

Arthur C. Graesser , Ph.D., Chair Room 202, Psychology Building

http://www.psyc.memphis.edu

PSYC 1200 is a prerequisite for all other courses in the Department of Psychology. PSYC 1200 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 1200 - General Psychology (3)

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 1101, 1102, or 1200.

PSYC 3000 - Intro Psychological Research (4)

(3002). Survey of logical and methodological considerations common to all research and an overview of the range of observation, measurement and laboratory procedures employed, and presentations of their own research by various members of the faculty. Three lecture hours, two laboratory hours per week. [W]

PSYC 3001 - Psychological Statistics (4)

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Introduction to use of statistics in psychology, with emphasis on elementary theory of measurement and computation; measures of central tendency and variability, tests of significance, correlation procedures, and an introduction to multivariate analyses, analysis of variance, and nonparametric procedures. Three lecture hours, two laboratory hours per week. PREREQUISITE: MATH 1420, or one of MATH 1710, MATH 1830, MATH 1910, MATH 2000. [C]

#### 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)

(3302). Survey and analysis of mutual influence of individuals and groups, including topics in social thinking, social influence, and social relations.

#### 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.

Archiv

### 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

Women's Studies (WMST)

### Foreign Languages and Literatures

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Journalism (JOUR)

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/Organizatni 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)

(2201). 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 3000

#### PSYC 3520 - Legal/Forensic Psyc (3)

Intersection of psychology and law; role of forensic psychologist in criminal investigation, trial procedures, risk assessments, evaluations.

#### 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, 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 1200 to assist students. Keep Special Education (SPED) office hours to answer questions and grade student work. PREREQUISITE: permission of department. S/U

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# Herff College of Engineering

#### PSYC 4010 - Behavior Modification (3)

Topics are varied and in online class listings.

#### PSYC 4025 - Applied Behavior Analysis (3)

Topics are varied and in online class listings.

#### PSYC 4030 - Issues Psychtherapy 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 3000, 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. PREREQUISITE: PSYC 3001, 3000, and three hours in 3100 series and three hours in 3300 series. Enrollment preference granted to seniors in their final semester. [I]

#### 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 UNHP 4302 and UNIV 4520). Interdisciplinary studies of cognition, behavior, emotion, intelligence, and brain mechanisms; synthesis of research contributions from cognitive science, neuroscience, artificial intelligence, and philosophy. [I]

#### 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 3001, 3000, 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

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Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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

# **Independent Programs**

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Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

psychological principles are applied. NOTE: PSYC 4503 and PSYC 4504 may be taken 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). [I]

#### 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 department. (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 4506 may be taken for a combined total of 9 hours credit, no more than 6 hours credit with any one faculty member.

#### PSYC 4506 - Direct Rsch Behav Neuro (3)

Individual or group research conducted under direction of faculty supervisor and with approval of behavioral neuroscience committee. NOTE: PSYC 4505 and 4506 may be taken for a combined total of 9 hours credit, no more than 6 hours credit with any one faculty member.

#### 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 3001 and 3000, minimum overall and psychology grade point average of 3.0. (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. (S/U)

#### PSYC 4997 - Senior Thesis (3)

Original research conducted under direction of faculty supervisor and with approval of behavioral neuroscience committee. PREREQUISITE: permission of behavioral neuroscience advisor.

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Social Work

(SWRK) SOCIAL WORK

School of Urban Affairs and Public Policy Division of Social Work Jerome Blakemore, Ph.D., Director Room 114, McCord Hall

http://cas.memphis.edu/Socialwork/

SWRK 2910 and 2911 are prerequisites for all other courses in the Division of Social Work; may be taken after earning 40 credit hours, as specified in the note accompanying the requirements for the 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.

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

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SWRK 2911 - Soc Response to Human Need (3)

SWRK 2910 - Soc Work Profession/Practice (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:

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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

http://www.memphis.edu/ugcatalog/coursedescrip/cas/swrk.php (1 of 4) [12/31/2008 2:44:46 PM]

week.

SWRK 2910 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 2910, 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 2910, 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 2910 and 2911. COREQUISITE: SWRK 3930.

#### 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 2910 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.

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)

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Portuguese (PORT)

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# Fogelman College of Business and Economics

Accountancy (ACCT)

Business Administration (BA)

**Decision Sciences (ISDS)** 

**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)

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Art History (ARTH)

Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

#### 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 2910, 2911, and 3920.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and Appreciation

(MUHL)

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# College of Education

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)

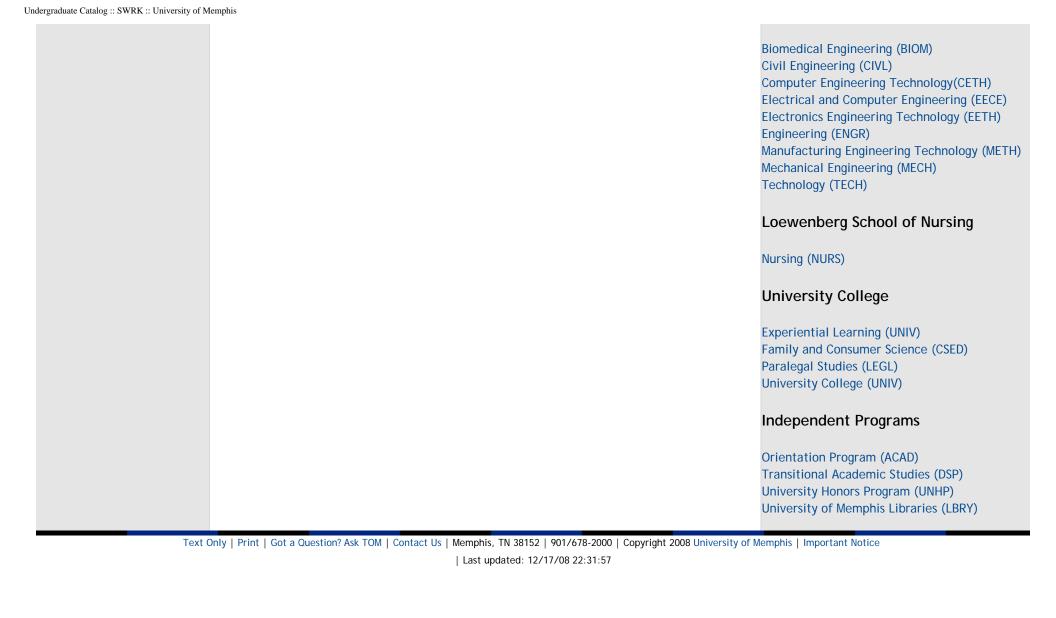
Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

# Herff College of Engineering





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Sociology

(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 1111 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 1111 - Introductory Sociology (3)

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)

(1112). 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.

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Sociology (SOCI)

Statistics (MATH)

#### 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. [C]

#### 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]

#### 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 Decision Sciences (ISDS) 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 3541 - Criminology (3)

(3521). 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.

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#### 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)

Major frameworks of 20th century sociological thought, including theoretical schools of functionalism, exchange theory, critical theory, symbolic interactionism, phenomenological sociology, and ethnomethodology; current social and political trends and issues.

#### 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 4442 - Sociology of Poverty (3)

Structural sources of inequality and how experiences of poverty are shaped by race, gender and age. [W]

### 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. [W]

#### SOCI 4541 - Sociology of Aging (3)

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# Herff College of Engineering

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. [W]

#### 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)

Examination of human arrangements and their human legitimations within which variations in human biology are discovered, defined, diagnosed, described, and disposed of as "disease."

#### 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. [W]

#### 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

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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

# **Independent Programs**

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University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

Undergraduate Catalog :: SOCI :: University of Memphis

or 4211, and nine upper division hours.

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Statistics









(11171) 0717

(MATH) STATISTICS

Department of Mathematical Sciences James E. Jamison, Ph.D., Chair Room 373, Dunn Hall http://www.msci.memphis.edu/

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; not applicable toward fulfilling credit hour minimum for degrees in The College of Arts and Sciences. PREREQUISITE: two years of high school algebra or DSPM 0850 with C- or better.

MATH 1420 - Foundations of Mathematics (3)

(1182). Algebra review and applications; functions, graphs, permutations, combinations; introduction to probability and statistics; problem solving. PREREQUISITE: two units of high school algebra or DSPM 0850. [G]

MATH 1421 - Honors Calculus I (4)

(1401). 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: two units of high school algebra or DSPM 0850.

MATH 1530 - Prob/Statistics/Non Calculus (3)

(1601). Underlying ideas of statistical and quantitative thinking; randomization in sample survey methods and design of experiments; double blind experiments and observational studies;

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Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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: Two years of high school algebra or DSPM 0850. [G]

#### MATH 1710 - College Algebra (3)

(1211). 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: two years of high school algebra, or DSPM 0850. [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 1720 and MATH 1730 will not satisfy a six semester hour degree requirement. PREREQUISITE: placement test recommended but not required; MATH 1710.

#### MATH 1730 - College Algebra/Trig (4)

(1213). 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 doubleangle 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: two units of high school algebra, or DSPM 0850. [G]

### MATH 1830 - Elementary Calculus (3)

(1312). 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 Hospitality and Resort Management (HPRM) definite integral. NOTE: only one of MATH 1830 or 1910 may be used to satisfy degree requirements. PREREQUISITE: MATH 1710 (with a minimum grade of C), ACT Math subscore of at Management (MGMT) least 24, or equivalent SAT Math score. [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)

(1321). 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 (with a minimum grade of C) or MATH 1730 (with a minimum grade of C), or satisfactory score on placement exam. [G]

#### MATH 1920 - Calculus II (4)

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

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(2321). 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 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)

(1402). 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 2701 - Discrete Structures (3)

Elementary logic; sets, relations, functions, orderings, equivalence relations, partitions: finite sets, modular arithmetic; natural numbers, mathematical induction, strings, string programs, connectedness, traversals, graph algorithms. NOTE: students may not receive credit for both MATH 2701 and MATH 2702. PREREQUISITE: MATH 1910. COREQUISITE: COMP 2701.

#### MATH 2702 - Intro Proof/Fundamental Math (3)

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)

(3391). 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 2701, MATH 2702, or permission of instructor.

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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

#### 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 2701, 2702, or permission of instructor. [C]

#### 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 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 2702.

#### MATH 4014 - Intro to Graph Theory (3)

Topics are varied and announced in Schedule of Classes. PREREQUISITE: permission of instructor. University College

#### MATH 4019 - Honors Seminar/Math I (1)

Topics are varied and announced in Schedule of Classes. 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 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 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 2701, MATH 2702, or permission of instructor. [1]

#### 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.

Biomedical Engineering (BIOM) Civil Engineering (CIVL) Computer Engineering Technology(CETH) Electrical and Computer Engineering (EECE) Electronics Engineering Technology (EETH) Engineering (ENGR) Manufacturing Engineering Technology (METH) Mechanical Engineering (MECH) Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

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

# **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY)

#### 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. [W]

#### 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 Diffrntial Equation I (3)

Laplace transforms; Fourier series; introduction to partial differential equations. PREREQUISITE: MATH 3120.

#### MATH 4392 - Partial Diffrntl Equation II (3)

Methods of characteristics; Green's functions; existence and regularity of solutions of boundary value; Cauchy problems. PREREQUISITE: MATH 4391.

#### 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; combing, 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, etc, 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 2701.

#### 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 - Statistical Methods (3)

Basic concepts of hypothesis testing; comparisons of two population 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 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 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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(901) 678-2171

The Herff College of Engineering

Richard C. Warder, Jr., Ph.D., P.E., Dean

Room 201-D, Engineering Building

http://www.engr.memphis.edu

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, and in computer, electronics, and manufacturing engineering technology. Graduate programs are offered in all of the disciplines listed above and biomedical engineering. 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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**Degree Requirements** 

Accelerated BS/MS Program in Biomedical Engineering

**Honors Program** 







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Academic Programs

Degree Requirements

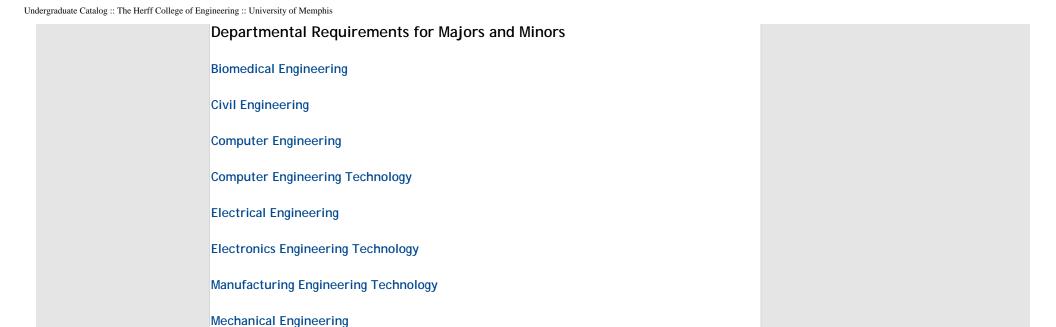
Accelerated BS/MS Program in Biomedical

Engineering

Honors Program

Departmental Requirements for Majors and Minors

Biomedical Engineering
Civil Engineering
Computer Engineering
Computer Engineering Technology
Electrical Engineering
Electronics Engineering Technology
Manufacturing Engineering Technology
Mechanical Engineering



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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

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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.

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: 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 (29 hours)

Mathematics (11 hours): MATH 1920, 2110, and 3120.

Natural Science (8 hours): CHEM 1110/1111; BIOL 1110/1111.

Collateral Courses (10 hours): CIVL 2131; MECH 2332; EECE 2201/2203 or EECE 2283/2281.

#### C. The Major (63 hours)

- 1. Completion of 37 hours from BIOM 1710, 1720, 2710 (4), 2720, 3710, 4760, 4780; CHEM 1120/1121; BIOL 1120/1121, 3730 (4); MECH 3320.
- 2. 26 hours of BIOM, Engineering and Technical electives approved by the advisor. At least six hours must be satisfied with BIOM electives. Twelve hours of electives must be chosen from upper division engineering courses. The remaining 7 hours of technical electives may be chosen from upper division courses in BIOL, BIOM, CHEM, EECE, MATH, MECH and PHYS. 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;

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)** 

Decision Sciences (ISDS)

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)

		//	(1)	
BIOL 3130, 4511; I	MECH 33	11, 3322, 3325 (1), 3	3331, 3335 (1), PHYS 3010, 3011.	Music
Typical 4-Year Bi	omedica	ıl Engineering Sequ	ence	asio
Freshman Year				Applied Music (MUAP)  Jazz and Studio Ensembles (MUAP)  Music Appreciation (MUS)
ENGL 1010	3	PHYS 2110/2111	4	Music Education (MUSE)  Music History, Literature, and Appreciation
CHEM 1110/1111	4	CHEM 1120/1121	4	(MUHL) Music Industry (MUID)
MATH 1910	4	MATH 1920	4	Music Theory and Composition (MUTC) Sacred Music (MUSA)
BIOM 1710	3	BIOM 1720	3	College of Education
		ENGL 1020	3	
Semester Totals	14 hr	r'S	18 hrs	Counseling, Educational Psychology and Research
Sophomore Year				Counseling and Personnel Services (COUN) Educational Psychology and Research (EDPR)
BIOL 1110/1111	4	MATH 3120	3	Health and Sport Sciences
MATH 2110	4	BIOL 1120/1121	4	Dietetics (NUTR) Health and Human Performance (EXSS)
PHYS 2120/2121	4	CIVL 2131	3	Health and Sport Sciences(HMSE) Health Promotion (HPRO)
BIOM 2720	4	BIOM 2710	3	Physical Education Activities (PHED) Physical Education Teacher Education (PETE)
		ENGL 2201 or 2202	2 3	Sport and Leisure Commerce (SLC) Sport and Leisure Management (SLS)
Semester Totals	16 hrs		16 hrs	Instruction and Curriculum Leadership
Junior Year				Early Childhood Education (ECED) Educational Services (EDSV)
EECE 2201/2203 or 2283/2281	4	MECH 3320 3		Elementary Education (ELED) Instruction and Curriculum Leadership (ICL) Instructional Design and Technology (IDT)
ECON 2110	3	ENGL 3603 3		Leadership (LEAD) Reading (RDNG)
BIOL 3730	4	BIOM 3710 3		Special Education (SPED)
				Herff College of Engineering
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:: University of Memphis							
MECH 2332	3	Engr Elec	3				
Engr Elec	3	Tech Elec	3				
		Social/ Behavioral Sciences*	3				
Semester Totals	s 17 hı	rs .	18 hrs				
Senior Year							
BIOM 4760	3	BIOM 4780	3				
Humanities*	3	BIOM Elec	4				
BIOM Elec	3	Engr Elec	3				
Tech Elec	4	Humanities*	3				
Engr Elec	3						
Semester Totals 16 hrs 13 hrs							
Total Hours: 128							
Total Hours Required for Graduation: 128							

\*Must satisfy University General Education Program Requirement

GRADUATION: To qualify for the degree of Bachelor of Science in Biomedical Engineering, the student must satisfy University and College requirements, obtain a minimum 2.0 grade point average on all work completed, and obtain a minimum grade of "C-" in all engineering, mathematics, physics, biology, 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).

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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

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Transitional Academic Studies (DSP)
University Honors Program (UNHP)
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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 ranges 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.

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, and complete the course sequence outlined below. For credits transferred from another institution, only those civil engineering course 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).

COURSE ENROLLMENT: The degree program in Civil Engineering includes a series of engineering science and professional courses taught at the upper division level. These courses are based on a Statistics (MATH)

# **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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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)

Social Work (SWRK)

Sociology (SOCI)

background of communications, physical science, mathematics, and engineering science courses Women's Studies (WMST) required during the freshman and sophomore years. All of the courses required during the freshman and sophomore years are prerequisites to junior standing in the Civil Engineering Department. Students shall not enroll in any upper division courses in civil engineering before the semester in which they complete all of the lower division requirements. Exceptions to this policy can be made only by the department chair acting upon the recommendation of the student's advisor.

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.

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: CHEM 1120/1121, BIOL 1110/1111, GEOL 1040, or GEOL 1103.

Collateral Courses: EECE 2201 or MECH 3311; MECH 2332.

### C. The Major (64 hours)

- 1. Completion of CIVL 1101, 1112, 2101, 2112, 2131, 2131, 3103, 3121, 3131 or 4135, 3137, 3140 Art (ART) (4), 4151 (4), 3161, 3180, 3181, 3182 (1), 3322, 3325 (1), 4111, 4199.
- 2. Twelve hours of civil engineering electives approved by an advisor and selected from Group 1 and Group 2 electives, with no more than 6 hours from Group 1.
- a. Group 1 Electives: CIVL 4122, 4171, 4172, and an approved upper-division civil, electrical, or mechanical engineering course;

#### 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)

Decision Sciences (ISDS)

**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 History (ARTH)

Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

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, 4172, 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
		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

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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

Semester Totals	17 h	re		18 h	irc		
Schlester rotals	17 11	13		101	11 3		
Junior Year							
CIVL 3137	2	CIVL 3131	or 412E	2			
	3						
CIVL 3325	1	CIVL 3161		3			
CIVL 3180	3	CIVL 3140	)	4			
CIVL 3121	3	ENGL 3603	3	3			
Humanities*	3	CIVL 4151		4			
CIVL 3103	3	CIVL 3182	2	1			
Semester Totals	16 hrs			18 hrs			
Canian Value							
Senior Year							
CIVL 3181		3	CIVL 411	11	3		
Social/Behaviora	I Scienc	es 3	CIVL 419	99	3		
CIVL elective (Gr	p 1 or 2	) 3	CIVL ele	ective (Grp 1 or 2)	3		
CIVL elective (Gr	p 2)	3	CIVL ele	ective (Grp 2)	3		
Humanities*		3					
Semester Totals		15 hrs			12 hrs		
Total Hours: 128							
Total Hours Requi	Total Hours Required for Graduation: 128						
*Must satisfy University General Education Program Requirement							

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

Experiential Learning (UNIV)
Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
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Computer Engineering

Department of Electrical and Computer Engineering

The primary goal of the Computer Engineering major is to educate engineering professionals with expertise in computer engineering to meet the rapidly increasing needs of industry and government in the West Tennessee and the Mid-South region. The program educational objectives are that Computer Engineering graduates will have a quality added education that:

(1) Prepares graduates to immediately enter professional practice. Graduates will be capable of analyzing and designing hardware, software, and system-integration aspects of computer-based systems; (2) Prepares graduates to pursue graduate programs in Computer Engineering, Computer Science, Electrical Engineering, or Software Engineering, if desired. Prepares graduates to pursue other professional programs such as law or business, if desired; (3) Prepares graduates to be competent computer engineering employees that meet or exceed the expectations of their employers; (4) Prepares graduates to undertake leadership roles in the computer, information systems and other industries, as well as in their communities and global society.

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, 2701, 3120; CHEM 1110/1111; COMP 2150; 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. In addition, no transfer credit may be used to satisfy EECE 2201 or any upper division EECE course unless the credit was earned at an ABET accredited program. 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 computer engineering if they have and maintain a cumulative GPA of 3.4 with at least junior standing and have received

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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. 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.

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.

Computer Engineering Major (B.S.C.P.)

#### 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. students who have completed one unit of American 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 (21 hours)

Mathematics (14 hours): MATH 1920, 2110, 2701, 3120, and 4635.

Natural Science (4 hours): CHEM 1110/1111.

#### C. The Major (71 hours)

- 1. Major Core: Completion of the following: EECE 1202, 1206, 2201, 2203, 2222, COMP 2150, 3160, 4270, MECH 3310 or 3311; EECE 3201, 3202, 3211, 3213, 3220, 3221, 3270 (4), 4235, 4278, 4279, 4280.
- 2. Electives: Choose Group I elective from: EECE 4222, 4277, 4710, or 4711. Choose Group II from: EECE 4272, 4273, 4275, 4276, 4720, 4730 or 4731.
- Technical Electives: Choose from upper division courses in engineering, mathematics, computer science, or physics.

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)

**Decision Sciences (ISDS)** 

**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)

Typical 4-Year Computer Engineering Sequence				Music
Freshman Year				Applied Music (MUAP)  Jazz and Studio Ensembles (MUAP)
ENGL 1010	3	ENGL 1020	3	Music Appreciation (MUS)
MATH 1910	4	MATH 1920	4	Music Education (MUSE) Music History, Literature, and Appreciation
EECE 1202	3	PHYS 2110/2111	4	(MUHL)
CHEM 1110/1111	4	EECE 1206 or COMP 1900	4	Music Industry (MUID)  Music Theory and Composition (MUTC)
Humanities*	3			Sacred Music (MUSA)
Semester Totals	17 hrs		15 hrs	College of Education
Sophomore Year				Counseling, Educational Psychology and Research
ENGL 2201 or 220	)2 3	Humanities* 3		Counseling and Personnel Services (COUN)
MATH 2110	4	MATH 3120 3		Educational Psychology and Research (EDPR)
PHYS 2120/2121	4	EECE 2201 3		
COMP 2150	3	EECE 2203 1		Health and Sport Sciences
MATH 2701	3	EECE 2222 4		Dietetics (NUTR)
	3	COMP 3160 3		Health and Human Performance (EXSS) Health and Sport Sciences(HMSE)
Semester Totals	17 hı	rs 17 hrs		Health Promotion (HPRO)
				Physical Education Activities (PHED)
Junior Year				Physical Education Teacher Education (PETE) Sport and Leisure Commerce (SLC)
				Sport and Leisure Management (SLS)
EECE 3201	4	EECE 3202 3		
EECE 3211	3	ENGL 3603 3		Instruction and Curriculum Leadership
EECE 3213	1	EECE 4278 3		Early Childhood Education (ECED)
EECE 3221	3	EECE 3220 3		Educational Services (EDSV)
EECE 3270	4	MATH 4635 3		Elementary Education (ELED) Instruction and Curriculum Leadership (ICL)
Semester Totals	15 hrs	15 hrs		Instructional Design and Technology (IDT)
				Leadership (LEAD) Reading (RDNG)
Senior Year				Special Education (SPED)
MECH 3310 or 331	11 3	EECE 4280	3	Herff College of Engineering

Group I elective	3	ECON 2110	3
Group II elective	3	Technical elective	3
COMP 4270	3	Technical elective	3
EECE 4235	3	Social/Behavioral Sciences*	3
EECE 4279	2		
Semester Totals	17 hrs		15 hrs
Total Hours: 128			

Total Hours Required for Graduation: 128

\*Must satisfy University General Education Program Requirement.

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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# Computer Engineering Technology

Department of Engineering Technology

This Computer Engineering Technology (CET) program provides a unique blend of courses in electronics, computer hardware, and computer software that emphasizes the analysis and design of microprocessor based computer systems. The CET graduate understands electronic hardware, software, and the interaction between them. CET graduates provide business and industry with qualified professionals who can design, install, maintain, and operate computer systems as well as do programming and systems analysis.

Computer Engineering Technology Major (B.S.E.T.)

A. University General Education Program (42 hours)

See Graduation from the University 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 (25 hours)

Technology Core: ENGL 3603; CHEM 1010/1011; MATH 1730; TECH 1010, 1411, 1521, 3044, CETH 4944.

C. The Major (61 hours)

Completion of 61 hours including CETH 1211, 2251, 2261, 3232, 3233, 4234, 4262, 4272; EETH 1811, 2820, 2821, 2831; METH 3440, 4381, 4462, and three courses form the approved list.

NOTE: Substitutions must be approved by the Program Coordinator. Computer Engineering Technology electives are in tow groups. Group 1: EETH 3822, METH 4474 and CETH 4241; Group 2: CETH 4242, CETH 4263, and CETH 4281. One course from each Group must be taken as

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

elective. Elective courses to be selected in consultation with advisor.

#### D. Graduation

In addition to meeting University requirements for graduation, the student must also attain a minimum grade of "C" in all required TECH, EETH, CETH, and METH courses, MATH 1730 and 1910, ENGL 3603, and technical electives. 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).

#### E. Computer Engineering Technology Minor

CETH 1211, 2251, 2261, 3232, 3233, 4262; EETH 1811, 2821.

#### Typical 4-Year Computer Engineering Technology Sequence

#### Freshman Year

ENGL 1010	3	ENGL 1020	3
TECH 1010	3	CHEM 1010/1011	4
Social?Behavioral Sciences*	3	MATH 1910	4
MATH 1730	4	EETH 1811	3
TECH 1411	1	CETH 1211	3
TECH 1521	3		
Semester Totals	17 hrs		17 hrs

#### Sophomore Year

PHYS 2010/2011	4	PHYS 2020/2021	4
CETH 2251	3	COMM 2381	3
EETH 2820	4	History*	3
EETH 2821	3	CETH 2261	3
ENGL 2201 or 2202*	3	EETH 2831	3
Semester Totals	17 hrs		16 hrs

#### Junior Year

#### 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)** 

**Decision Sciences (ISDS)** 

**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)

ENGL 3603	3	Humanities*	3
Humanities*	3	Social/Behavioral Sciences*	3
TECH 3044	4	Approved elective	3
History*	3	METH 3440	3
CETH 3232	4	CETH 3233	4
Semester Totals	17 hrs		16 hrs

#### Senior Year

Approved elective	3-4	Approved elective	3-4
CETH 4234	4	CETH 4272	4
CETH 4262	4	METH 4462	2
METH 4381	3	CETH 4944	3
Semester Totals	14-15 hrs		13-14 hrs

Total Hours: 127-129

Total Hours Required for Graduation: 127

\*Must satisfy University General Education Program requirements.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

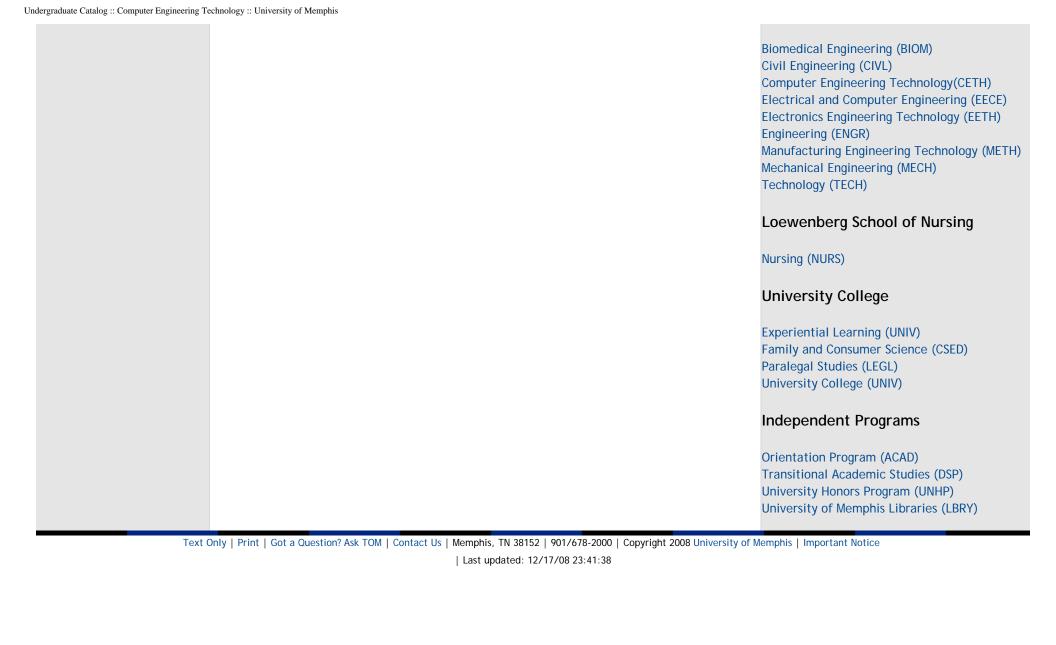
Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

# Herff College of Engineering





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Electrical Engineering

Department of Electrical and Computer Engineering

The educational objectives of the Electrical Engineering program are consistent with the mission College of Arts and Sciences 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 a quality added education that: (1) Prepares graduates to immediately enter professional practice. Graduates will be capable of analyzing and designing electrical or electronic engineering systems; (2) Prepares graduates to pursue graduate programs in Electrical Engineering, Computer Engineering, or Biomedical Engineering if desired. Prepares graduates to pursue other professional programs such as law or business if desired; (3) Prepares graduates to be competent electrical engineering employees that meet or exceed the expectations of their employers; and (4) Prepares graduates to undertake leadership roles in government and industry, as well as in their communities and global society.

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 Mathematics (MATH) 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

## **Course Descriptions**

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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

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)

Social Work (SWRK)

Sociology (SOCI)

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 in electro-optical systems, automatic control systems, engineering computer systems, and communications and propagation systems. 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.ee.memphis.edu/).

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. In addition, no transfer credit may be used to satisfy EECE 2201 or any upper division EECE course unless the credit was earned at an ABET accredited program. 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.

Electrical Engineering (B.S.E.E.)

A. University General Education Program (36 hours)

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)

**Decision Sciences (ISDS)** 

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)

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.E.E. students who have completed one unit of American history in high school.

#### B. College and Degree Requirements (27 hours)

Mathematics (14 hours): MATH 1920, 2110, 3120, and 4635.

Natural Science (4 hours): CHEM 1110/1111.

Collateral Courses (9 hours): CIVL 2131: MECH 2332, 3310 or 3311.

#### C. The Major (65 hours)

- 1. Completion of 65 hours including EECE 1202, 1207, 2201 (3), 2203 (1), 2222 (4), 3201 (4), 3202, 3211, 3212 (4), 3213 (1), 3221, 3240, 4201, 4203 (1), 4235, 4279, 4280; 12 hours of EECE electives approved by advisor.
- 2. Six hours of technical electives. These electives may be chosen from upper division courses in Health Promotion (HPRO) engineering, mathematics, physics, or computer science. Approval of department chair is required for all technical electives. 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. The concentrations are the following:
- a. Computer Engineering: EECE 3220, 3270 (4), 4222, 4230, 4272, 4273, 4275, 4276, 4278, 4720, and 4730.
- 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.

#### Typical 4-Year Electrical Engineering Sequence

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

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

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*	3		Social/Behaviora	I S	ciences*	3	
Semester Totals	17	hrs				17 h	rs
Sophomore Year							
EECE 2222	4		ENGL 2201 or 220	2	3		
MATH 2110	4		MATH 3120		3		
PHYS 2120/2121	4		EECE 2201/2203		4		
CIVL 2131	3		MECH 2332		3		
			ECON 2110		3		
Semester Totals	15	hrs			16 hrs		
Junior Year							
EECE 3201		4	EECE 3202	3			
EECE 3211/3213		4	EECE 3212	4			
EECE 3221		3	ENGL 3603	3			
MATH 4635		3	EECE 3240	3			
MECH 3310 or 33	11	3	EECE elective	3			
Semester Totals		17 h	rs	16	hrs		
Senior Year							
EECE 4235	3		EECE 4280		3		
EECE 4201/4203	4		EECE electives		6		
EECE elective	3		Technical elective	es	6		

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

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

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	Humanities	3		
	EECE 4279	2		
	Semester Totals	15 hrs	15 hrs	
	Total Hours: 128			
	Total Hours Requi	red for Graduation: 128		
	*Must satisfy Univ	versity General Education Pro	ogram Requirement	

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### Electronic Engineering Technology

Department of Engineering Technology

Electronics Engineering Technology is designed to educate people for careers in analog and digital communications, manufacturing automation, computer electronics and a host of other areas within the electronics industry. The curriculum is a combination of electronic circuit design and analysis, computer applications and programming, and industrial control methods, coupled with management techniques and strategies that will enable the graduate to design, implement, and manage modern electronic systems. Requirements for this major are as follows:

Electronics Engineering Technology Major (B.S.E.T.)

A. University General Education Program (42 hours)

See Graduation from the University 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 (25 hours)

Technology Core: ENGL 3603; CHEM 1010/1011; MATH 1730; TECH 1010, 1411, 1521, 3044, EETH 4944.

C. The Major (60-61 hours)

Completion of 60-61 hours including EETH 1811, 2820, 2821, 2831, 3811, 3821, 3822, 3841, 4821; CETH 1211, 3232, 3233, 4234; METH 1711, 3440, 4381, one EETH elective, and one technical electives (6-7 hours) approved by an advisor. Electronics Engineering Technology electives include: EETH 3812, 4823, and 4990-4998 as available.

NOTE: Substitutions must be approved by the Program Coordinator.

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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

#### D. Graduation

In addition to satisfying University and College graduation requirements, the student must also attain a minimum grade of "C" in all required TECH, EETH, CETH, and METH courses, MATH 1730, MATH 1910, ENGL 3603 and technical electives (also applies to any courses substituted for these courses). 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).

#### E. Electronics Engineering Technology Minor

EETH 1811, 2820, 2821, 2831, 3811, 3821, 3822.

#### Typical 4-Year Electronics Engineering Technology Sequence

#### Freshman Year

ENGL 1010	3	CETH 1211	3
TECH 1411	1	ENGL 1020	3
MATH 1730	4	MATH 1910	4
METH 1711	3	TECH 1521	3
TECH 1010	3	EETH 1811	3
Semester Totals	14 hrs		16 hrs

#### Sophomore Year

EETH 2820	4	COMM 2381	3
ENGL 2201 or 2202	3	PHYS 2020	3
PHYS 2010	3	PHYS 2021	1
PHYS 2011	1	History*	3
EETH 2821	3	CHEM 1010/1011	4
TECH 3044	4	EETH 2831	3
Semester Totals	18 hrs		17 hrs

#### Junior Year

#### Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

Greek (GREK)

Liebaer (UEDE

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)** 

**Decision Sciences (ISDS)** 

**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)

Humanities*	3	Social/Behavioral Sciences*	3
History*	3	CETH 3233	4
CETH 3232	4	EETH 3822	3
EETH 3811	3	EETH 3841	4
EETH 3821	3	METH 3440	3
Semester Totals	16 hrs		17 hrs

#### Senior Year

Social/Behavioral Sciences*	3	Humanities*	3
CETH 4234	4	EETH 4821	4
EETH elective	3	Technical elective	3-4
ENGL 3603	3	EETH 4944	3
METH 4381	3		
Semester Totals	16 hrs		13-14 hrs

Total Hours: 127-128

Total Hours Required for Graduation: 127-128

\*Must satisfy University General Education Program Requirement

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

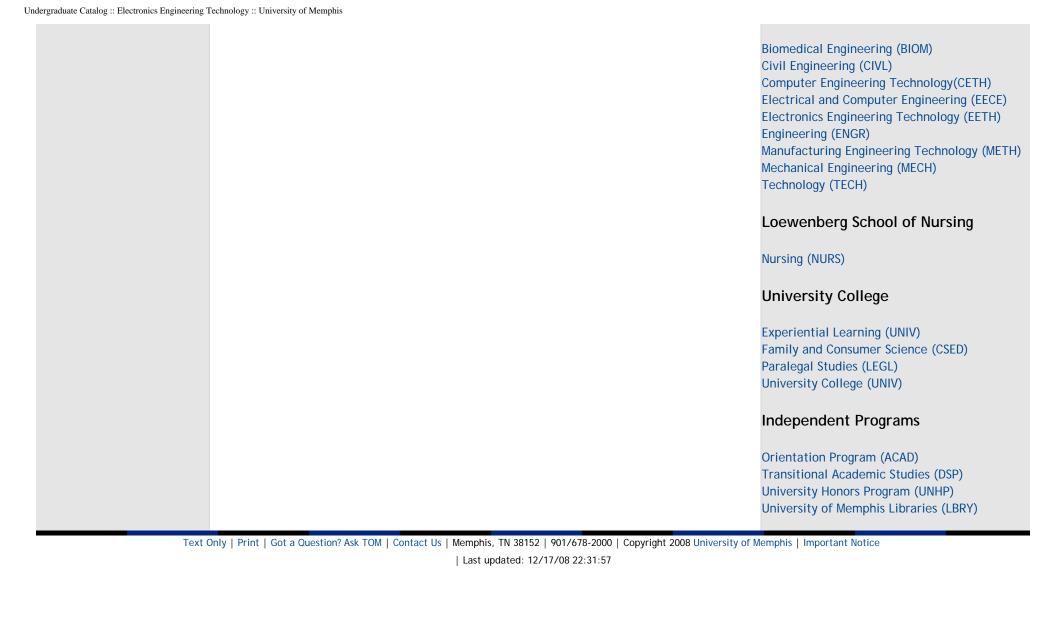
Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

## Herff College of Engineering





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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 entering immediately into professional practice upon graduation are capable of performing duties of an entry-level engineering position. (2) Graduates pursuing graduate studies are capable of successfully completing an advanced degree. (3) Graduates recognize the need for and are capable of pursuing life-long learning.

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. One important supplement to this study is a series of lectures on engineering ethics and professionalism.

This well-rounded curriculum equips typical Mechanical Engineering graduates of the University of Memphis with the skills and perspectives required for success in a variety of professional

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

roles. These include ability to conduct project design work, to manage projects, to interface successfully with the public, to continue their education, to conduct themselves with a professional demeanor, with propriety, and with a comportment that will make them an asset to Foreign Languages and Literatures the profession.

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: EECE 2281 (1), 2283.

#### C. The Major (66 - 67 hours)

- 1. Completion of MECH 1307, 1309, 2332, 3311, 3312, 3320, 3321, 3322, 3323, 3325 (1), 3331, 3335 (1), 3341, 4300 (1), 4311, 4312, 4314 (4), 4322, 4323 (4), 4335, (1);
- 2. 12-13 hours of electives approved by the advisor. Students who declare a concentration must take the courses as designated in the following concentrations:
- a. Biomedical Systems: MECH 4350 (4), and one course approved by an advisor from the following: MECH 4326, 4365, 4391.
- b. Energy Systems: MECH 4314 (4) and two courses approved by an advisor from the following: MECH 4305, 4309, 4313, 4315, 4331, 4333, 4337, 4369, 4391.
- c. Mechanical Systems: MECH 4323 (4) and two courses approved by an advisor from the following: MECH 4320, 4324, 4325, 4330, 4340, 4344, 4345, 4346, 4360, 4371, 4383, 4384, 4391.

### Typical 4-Year Mechanical Engineering Sequence

Women's Studies (WMST)

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)

**Decision Sciences (ISDS)** 

**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)

15.	. Chiversity of Mempins					
	Freshman Year					
	ENGL 1010	3	PHYS 2110/2	111	4	
	CHEM 1110/1111	4	Natural Scier	nce*	4	
	MATH 1910	4	MATH 1920		4	
	MECH 1307	3	MECH 1309		3	
	Semester Totals	14 hrs			15 hrs	
	Sophomore Year					
	ENGL 1020	3	MATH 3120 3	3		
	MATH 2110	4	MECH 2332 3	3		
	PHYS 2120/2121	4	MECH 3341 3	3		
	CIVL 2131	3	MECH 3311 3	3		
	ECON 2110	3	MECH 3320 3	3		
	Semester Totals	17 hrs	1	15 hrs	5	
	Junior Year					
	MECH 3312	3	MECH 3323			3
	MECH 3321	3	MECH 4311			3
	MECH 3322	3	MECH 4335			1
	MECH 3325	1	EECE 2283			3
	MECH 3331	3	EECE 2281			1
	MECH 3335	1	Social/Behavi	oral	Sciences*	3
	ENGL 3603	3	Humanities			3
	Semester Totals	17 hrs				17 hrs
	Senior Year					
	MECH 4314	4	MECH 4323		4	
	MECH 4322	3	MECH 4312		3	

#### Music

Applied Music (MUAP)
Jazz and Studio Ensembles (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

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

MECH elective 3 Technical elective 3

Humanities\* 3 MECH elective 3

MECH 4300 1 Humanities\* 3

MECH elective 3

Semester Totals 17 hrs 16 hrs

Total Hours: 128

Total Hours Required for Graduation: 128

\*Must satisfy University General Education Program Requirement

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.

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

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Manufacturing Engineering Technology

Department of Engineering Technology

Manufacturing Engineering Technology is designed for those individuals interested in careers in the manufacturing, distribution, or service industries. Students will study a combination of technological and mechanical concepts coupled with quantitative management techniques that will enable them to design, control, and manage both traditional and automated industrial systems that utilize complex machinery and computer controlled production systems.

Graduates of this program are employed in the areas of quality assurance, supervision, plant management, materials handling, industrial safety, systems planning, process planning, computer integrated manufacturing, product development, technical sales, and warehouse management.

Manufacturing Engineering Technology Major (B.S.E.T.)

A. University General Education Program (42 hours)

See Graduation from the University 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 (25 hours)

Technology Core: ENGL 3603; CHEM 1010/1011; MATH 1730; TECH 1010, 1411, 1521, 3044, METH 4944.

C. The Major (61 hours)

Completion of 61 hours including METH 1711, 3401, 3408, 3421, 3440, 3462, 3573, 4381, 4460, 4462, 4464, 4466, 4472, 4474, 4476, 4571; EETH 1811, 2812, 3822; and one Technical elective

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

DI 1 (DII)(0)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

approved by an advisor.

NOTE: Substitutions must be approved by the Program Coordinator.

#### D. Graduation

In addition to satisfying University and College graduation requirements, the student must also attain a minimum grade of "C" in all required TECH, EETH, CETH, and METH courses, MATH 1730 French (FREN) and 1910, ENGL 3603 and technical electives (also applies to any courses substituted for these courses). 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).

#### E. Manufacturing Engineering Technology Minor

18 hours selected from any 3000 or 4000 level METH courses except METH 4381. TECH 1521 and METH 1711 may be applied toward the 18 hours. Course selections/substitutions must be approved by a METH advisor or chair of the department.

#### Typical 4-Year Manufacturing Engineering Technology Sequence

#### Freshman Year

Social/Behavioral Sciences*	3	Social/Behavioral Sciences*	3
ENGL 1010	3	ENGL 1020	3
MATH 1730	4	EETH 1811	3
TECH 1411	1	MATH 1910	4
TECH 1010	3	TECH 1521	3
METH 1711	3		
Semester Totals	17 hrs		16 hrs

#### Sophomore Year

ENGL 2201 or 2202	3	History*	3
CHEM 1010/1011	4	ENGL 3603	3
PHYS 2010/2011	4	COMM 2381	3
EETH 2812	3	PHYS 2020/2021	4
History*	3	EETH 3822	4

#### Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

German (GERM)

Greek (GREK)

Hebrew (HEBR)

Italian (ITAL)

Japanese (JAPN)

Languages and Literature (LALI)

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Russian (RUSS)

Spanish (SPAN)

### Fogelman College of Business and **Economics**

Accountancy (ACCT)

Business Administration (BA)

Decision Sciences (ISDS)

**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)

	•		
Semester Totals	17 h	nrs	17 hrs
Junior Year			
Humanities*	3	Humanities*	3
TECH 3044	4	METH 3408	3
METH 3401	3	METH 3440	3
Technical electiv	e 3	METH 3573	3
METH 3462	3	METH 3421	3
Semester Totals	16 h	rs	15 hrs
Senior Year			
METH 4381	3	METH 4466 3	
METH 4460	3	METH 4476 3	
METH 4464	3	METH 4571 3	
METH 4472	3	METH 4944 3	
METH 4474	3	METH 4462 3	
Semester Totals	15 hrs	15	hrs
Total Hours: 128			

Total Hours Required for Graduation: 128

\*Must satisfy University General Education Program Requirement

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

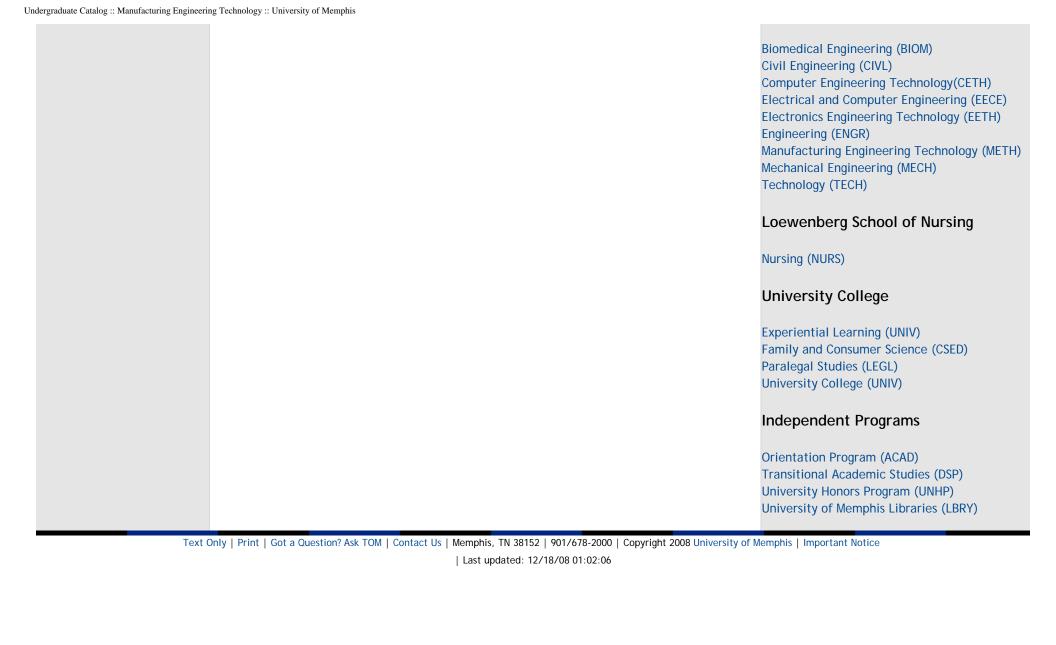
Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

## Herff College of Engineering





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The Loewenberg School of Nursing

Marjorie Luttrell, Ph.D., RN, Dean and Associate Professor

Room 101 Newport Hall; (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,

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Organization

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Progression in the Nursing Major Disqualification from the Nursing Major **Clinical Nursing Course Requirements** 

Credit by Exam **RN** Licensure

**Student Organizations** 

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. 39-13-216; Rape of a Child, as in T.C.A. 39-13-522.

Organization

**Program Outcomes** 

**Degree Requirements** 

Admission

**Advanced Placement Admission - RN Students** 

**Academic Advising** 

Loans and Scholarships

**Fees** 

Residency

Progression in the Nursing Major

Disqualification from the Nursing Major

**Clinical Nursing Course Requirements** 

Credit by Exam

Undergraduate Catalog :: The Loewenberg School of Nursing :: University of Memphis

**RN** Licensure

**Student Organizations** 

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The University College

DAN LATTIMORE, Ph.D., Dean Room 218, John Willard Brister Hall (901) 678-2716

http://www.uc.memphis.edu

University College offers students a wide variety of established and online degree opportunities. Faculty 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.

**Academic Programs** 

Admission to College

Student Evaluation

**Honors** 

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**College Requirements** 

The Baccalaureate Contract Program Regents Online Degree Program (RODP)

Bachelor of Professional Studies (B.P. **S.**)

Alcohol and Drug Abuse Services

**Biomedical Illustration** 

**Child Development** 

**Commercial Aviation** 

**University College Credit for Professional** 

**Aviation Instruction** 

**Construction Management Services** 

**Correctional Administration** 

**Dance Education** 

**Disability Studies and Rehabilitation Services** 

Family and Consumer Studies

**Fashion and Home Furnishings** 

Merchandising

Fire Administration and Fire Prevention

**Technology** 

**College Requirements** The Baccalaureate Contract Program Regents Online Degree Program (RODP) Bachelor of Professional Studies (B.P.S.) Alcohol and Drug Abuse Services **Biomedical Illustration** Child Development **Commercial Aviation** University College Credit for Professional Aviation Instruction Construction Management Services Correctional Administration Dance Education Disability Studies and Rehabilitation Services Family and Consumer Studies Fashion and Home Furnishings Merchandising Fire Administration and Fire Prevention Technology Health Services Administration

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**

American Studies Religion in Society

#### **Minors**

Alcohol and Drug Abuse Services American Studies Child Development Religion in Society A Second Bachelor's Degree

**Human Services** 

Law Enforcement Administration

Organizational Leadership

Non-Profit Development and Administration

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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** 

**Transitional Academic Studies** 





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Women's Studies

(WMST) WOMEN'S and GENDER STUDIES

Interdisciplinary Studies Office Wanda Rushing, Ph.D., Director Room 107, Scates Hall

http://cas.memphis.edu/isc/wmst

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 4340 - Independent Study (3)

Readings and writing assignments designed to further the student's understanding of a specialized area within women's studies.

Course Descriptions

College of Arts and Sciences

Aerospace Studies (AERO)

African and African American Studies (AAAS)

Anthropology (ANTH)

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Chemistry (CHEM)

Computer Science (COMP)

Criminology and Criminal Justice (CJUS)

Earth Sciences (ESCI)

English (ENGL)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

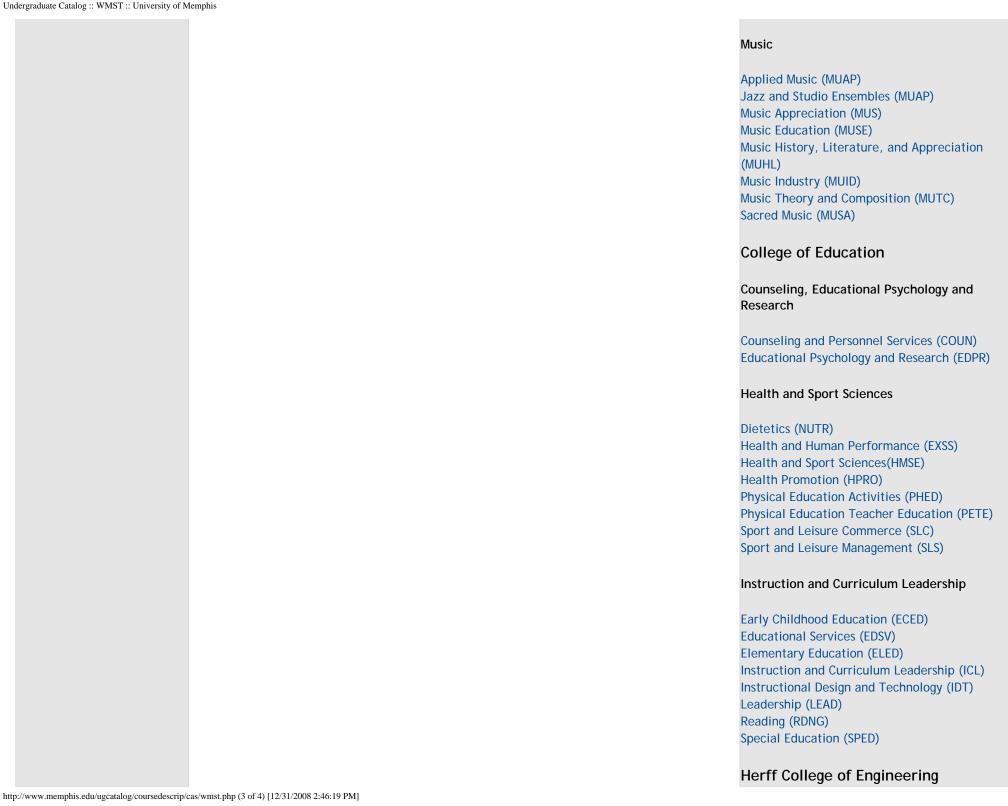
Open Learning Fire Services Program (PADM)

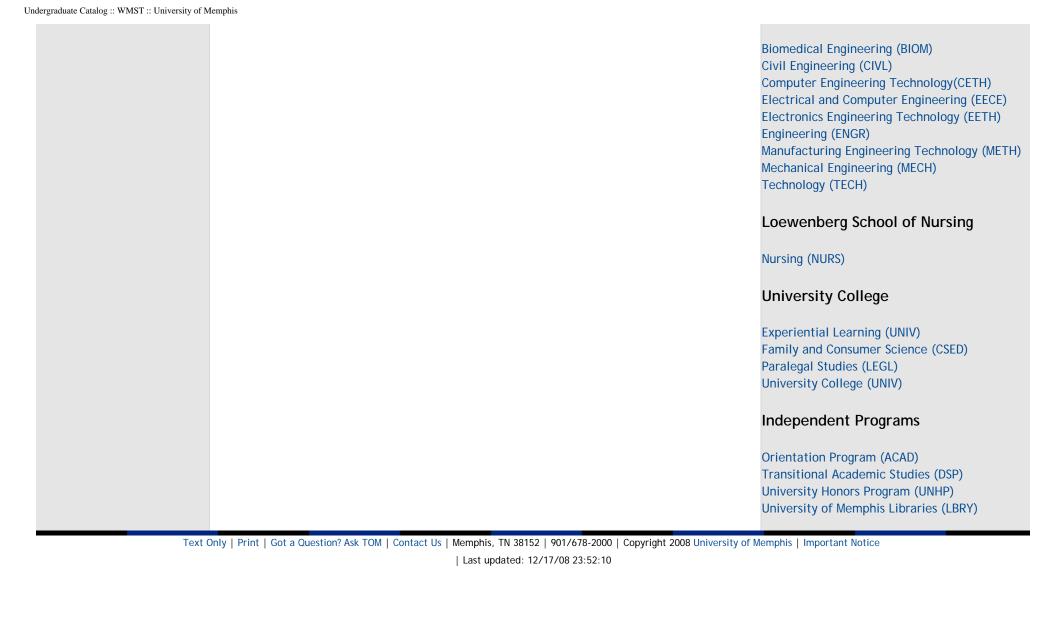
Public and Nonprofit Administration (PADM)

Psychology (PSYC)
Social Work (SWRK)

Sociology (SOCI)









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ARAB 2020 - Intermediate Arabic II (3)

(2202). Continued study of sentence patterns through oral and written practice.













Arabic<sup>1</sup>

(ARAB) ARABIC

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)

(1101). Principles of pronunciation; everyday expressions; basic sentence patterns through oral practice, writing and reading.

ARAB 1020 - Elementary Arabic II (3)

(1102). Continued study of sentence patterns through oral and written practice. PREREQUISITE: ARAB 1010 or equivalent.

ARAB 2010 - Intermediate Arabic I (3)

(2201). Continued study of sentence patterns through oral and written practice. PREREQUISITE: ARAB 1020 or equivalent.

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Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

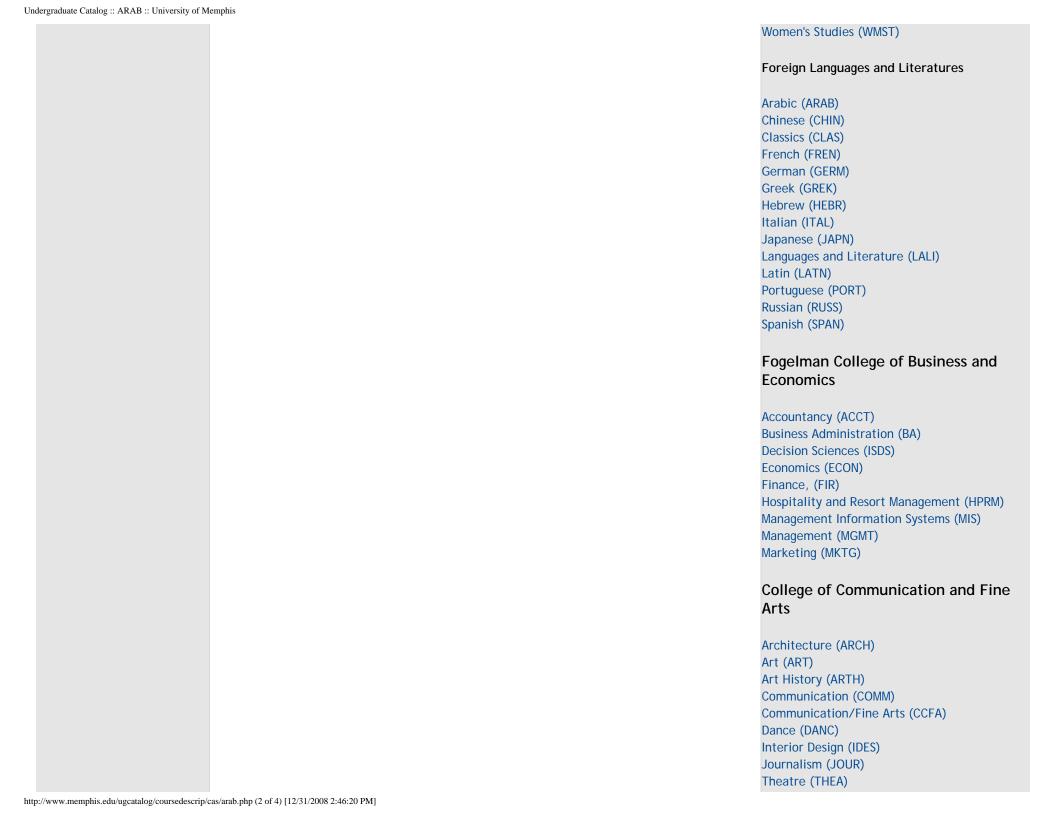
Political Science (POLS)

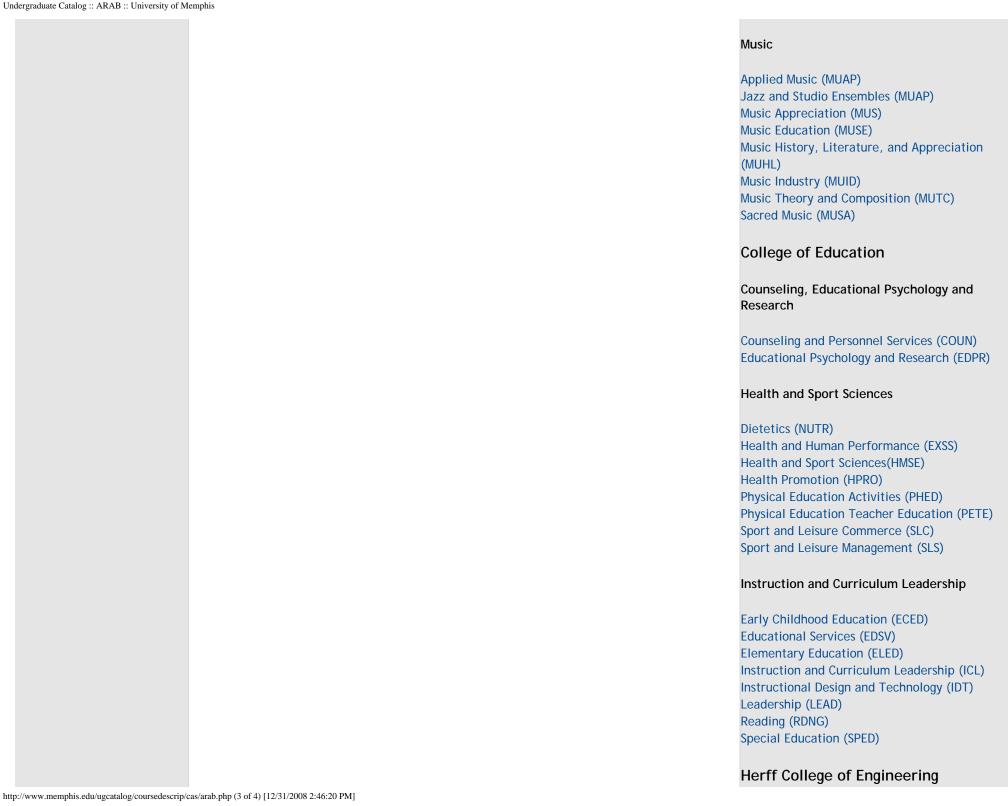
Open Learning Fire Services Program (PADM)

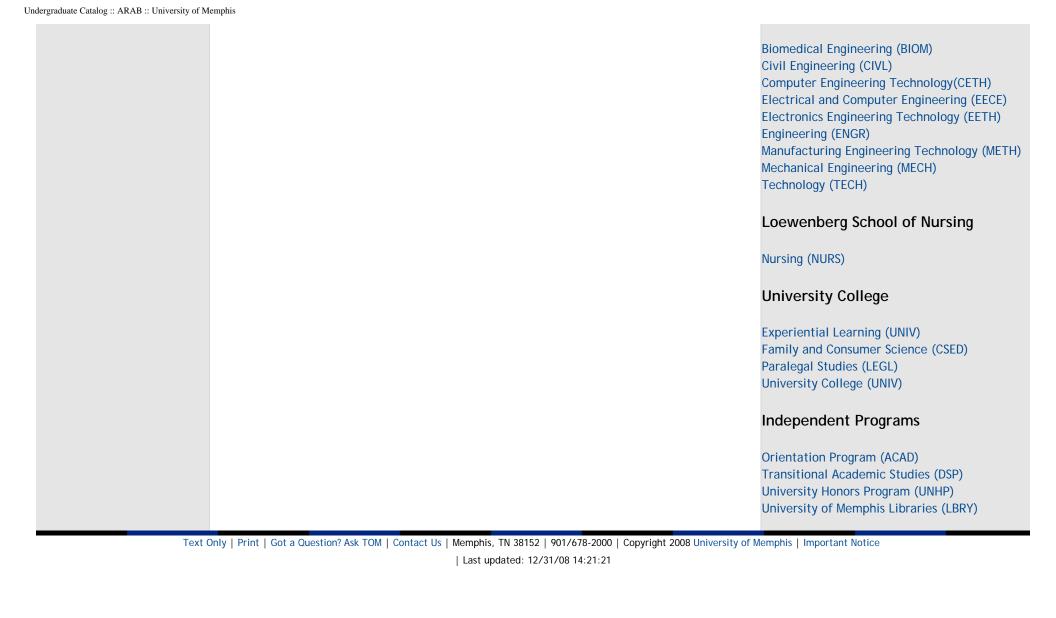
Public and Nonprofit Administration (PADM)

Psychology (PSYC) Social Work (SWRK)

Sociology (SOCI)









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Chinese









(CHIM) CHIMI

(CHIN) CHINESE

Department of Foreign Languages and Literatures Ralph Albanese, Ph.D., Chair Room 375, Dunn Hall 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)

(1101). Principles of pronunciation; everyday expressions; basic sentence patterns through oral practice, writing and reading.

CHIN 1020 - Elementary Chinese II (3)

(1102). Continued study of sentence patterns through oral and written practice. PREREQUISITE: CHIN 1010 or equivalent.

CHIN 2010 - Intermediate Chinese I (3)

(2201). Continued study of sentence patterns through oral and written practice. PREREQUISITE: CHIN 1020 or equivalent.

CHIN 2020 - Intermediate Chinese II (3)

(2202). 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,

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Political Science (POLS)

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Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

education, history, current grammar and slang for conversation and composition. PREREQUISITE: Women's Studies (WMST) CHIN 3301 or equivalent.

#### 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.

#### 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)

Decision Sciences (ISDS)

**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)

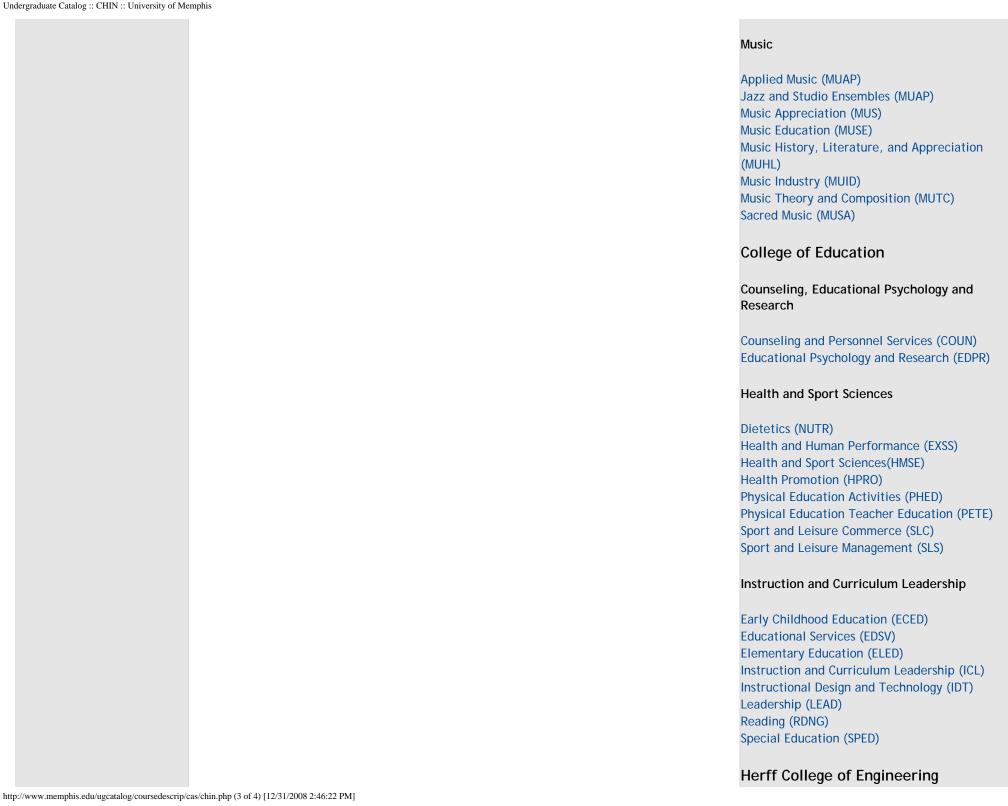
Communication/Fine Arts (CCFA)

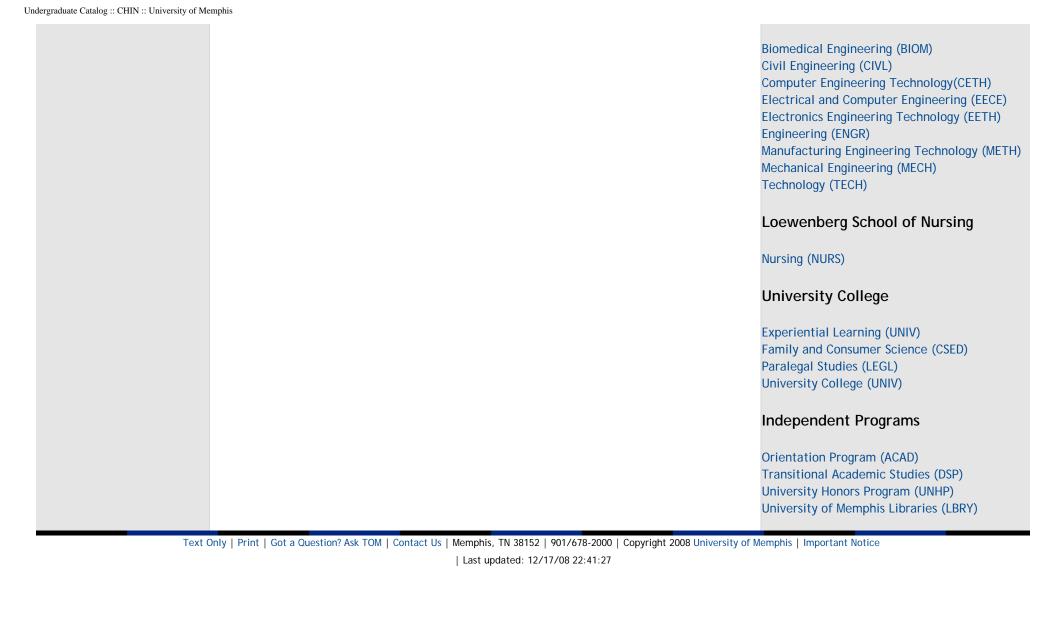
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Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)







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(CLAS) CLASSICS

Department of Foreign Languages and Literatures Ralph Albanese, Ph.D., Chair Room 375, Dunn Hall http://fl.memphis.edu

CLAS 2481 - Mythology (3)

Classics

Thematic study of classical myths and their function in ancient literature; emphasis on reading myths in ancient sources in translation. [G]

CLAS 3021 - Scientific 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.

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Political Science (POLS)

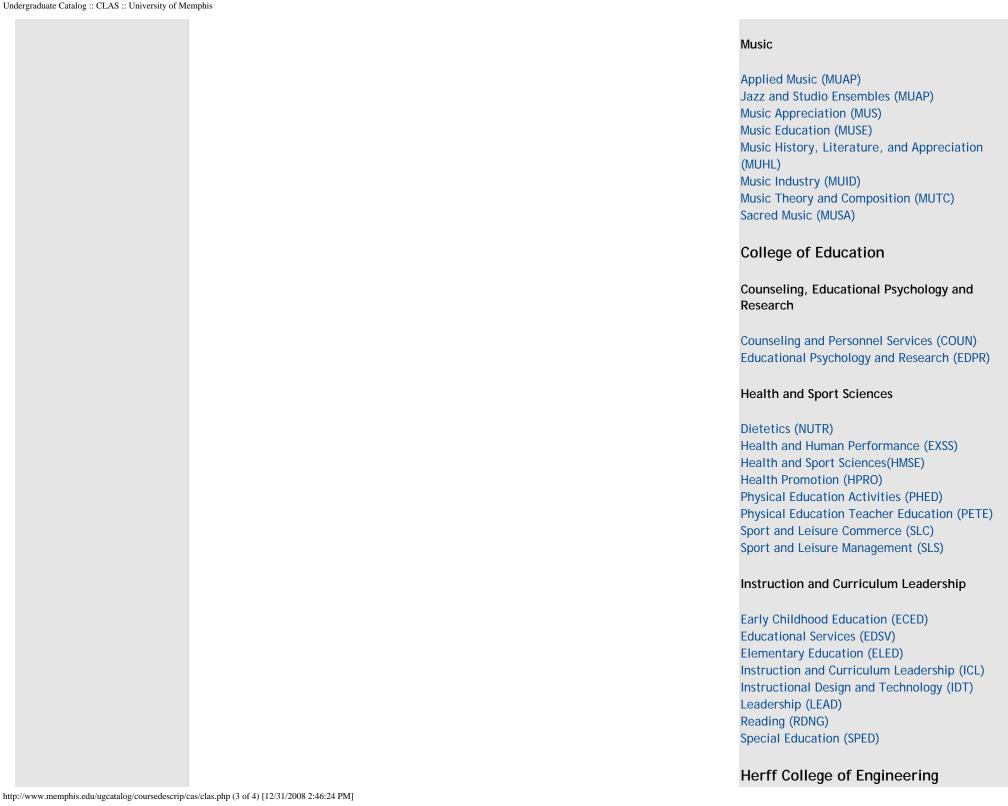
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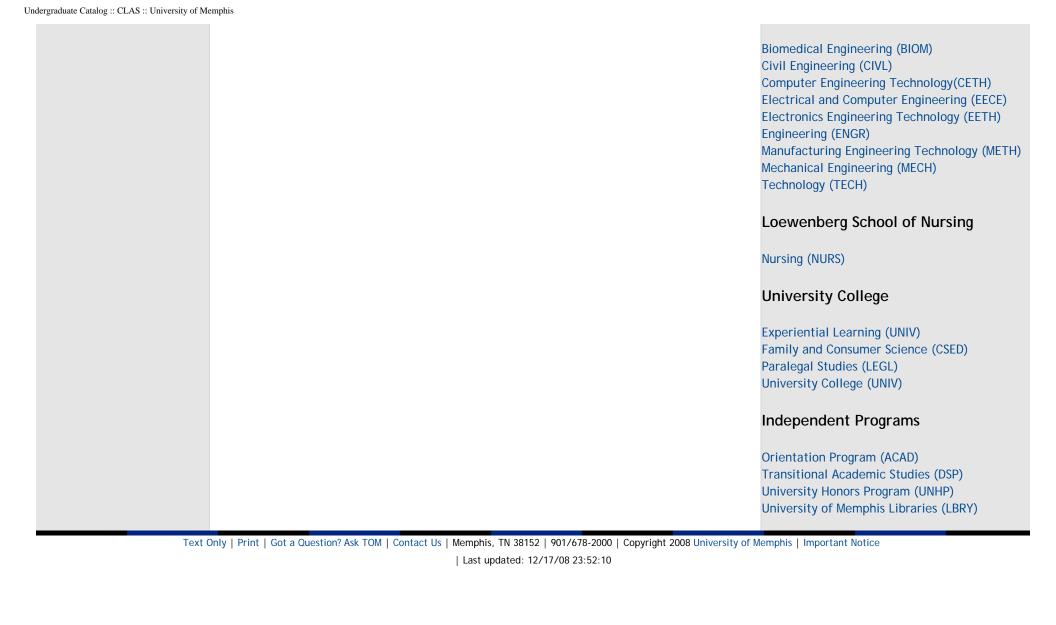
Public and Nonprofit Administration (PADM)

Psychology (PSYC)

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 Academic Regulations	Department of Foreign Languages and Literatures  Ralph Albanese, Ph.D., Chair	
	Room 375, Dunn Hall	Colle
Graduation from the	http://fl.memphis.edu	A = ====
University		Aeros
Colleges and Degree	In addition to the courses below, the department may offer the following Special Topics	Anthr
Programs	courses: FREN 4791-99. Special Topics in French Literature, Language, or Civilization. (3).	Biolo
Course Descriptions	May be repeated for a maximum of 6 hours credit. PREREQUISITE: FREN 3301, or permission of instructor. RECOMMENDED: FREN 3411.	Chem
Faculty and Staff	IIISTI UCTOI : NECOWINEINDED : I NEW 3411 .	Comp
Catalog Archive and		Crimi Earth
University Links	FREN 1010 - Elementary French I (3) (1101). Basic skills fundamental to language proficiency and culture.	Englis
	(1101). Basic skills fulldamental to language proficiency and culture.	Healt
Class Offerings	FREN 1020 - Elementary French II (3)	Histo
Search the catalog:	(1102). Further development of basic skills fundamental to language proficiency and culture. PREREQUISITE: FREN 1010, or equivalent.	Interd
		Interr
	FREN 2010 - Intermediate French I (3)	Judai
	(2201). Comprehensive review of French grammar, exercises in writing, and readings in French	Mathe
	literature and culture. PREREQUISITE: FREN 1020, or equivalent.	Milita Naval
	FREN 2020 - Intermediate French II (3)	Philo
	(2202). More advanced readings. PREREQUISITE: FREN 2010, or equivalent.	Physi
		Politi
	FREN 3301 - Conversation and Composition (3)	Open
	PREREQUISITE: FREN 2020, or equivalent.	Public
	FREN 3302 - Conversation and Composition (3)	Psych
	PREREQUISITE: FREN 3301, or permission of instructor.	Socia

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aic Studies (JDST)

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tical Science (POLS)

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lic and Nonprofit Administration (PADM)

chology (PSYC)

ial Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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 3792 - French for Commerce II (3)

Continuation of French 3791. PREREQUISITE: FREN 3791, or equivalent.

#### 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.

#### 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.

#### 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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Languages and Literature (LALI)

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Russian (RUSS)

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## Fogelman College of Business and Economics

Accountancy (ACCT)

**Business Administration (BA)** 

**Decision Sciences (ISDS)** 

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)

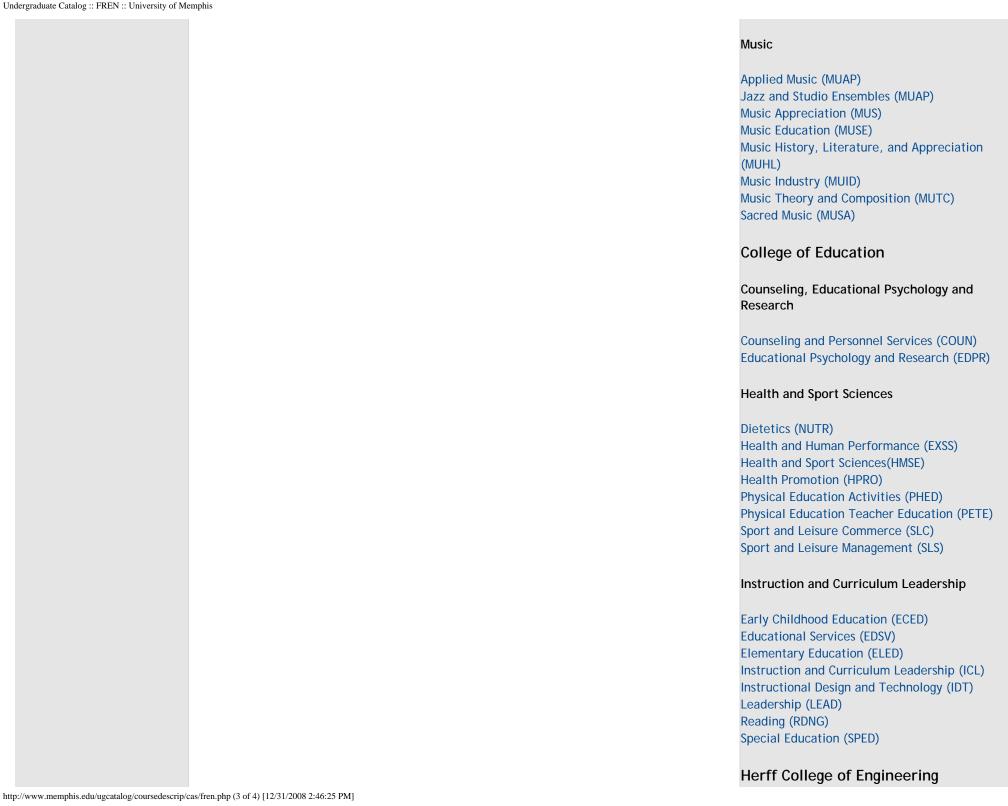
Communication (COMM)

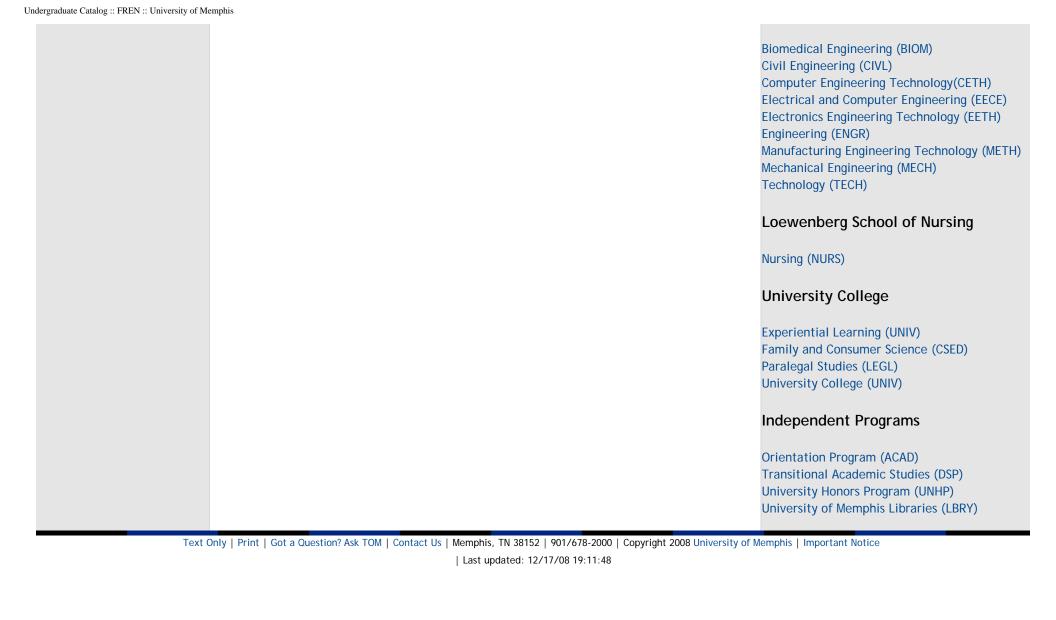
Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)







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(GERM) GERMAN

Department of Foreign Languages and Literatures Ralph Albanese, Ph.D., Chair

Room 375, Dunn Hall

http://fl.memphis.edu

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

(1101). Basic skills fundamental to language proficiency and culture.

repeated for maximum of 6 hours credit. PREREQUISITE: two courses from: GERM 3301, 3302,

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GERM 1020 - Elementary German II (3)

(1102). Further development of basic skills fundamental to language proficiency and culture. PREREQUISITE: GERM 1010, or equivalent.

Search the catalog:

GERM 2010 - Intermediate German I (3)

3411, 3412, or permission of instructor.

GERM 1010 - Elementary German I (3)

(2201). Continued development of listening, speaking, reading, and writing skills. PREREQUISITE: GERM 1020, or equivalent.



GERM 2020 - Intermediate German II (3)

(2202). 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.

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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)

Social Work (SWRK)

Sociology (SOCI)

#### GERM 3411 - Intro Germ 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 3791 - German For Commerce (3)

German economy and society; German business terminology and forms of communication. PREREQUISITE: GERM 2020, or equivalent.

#### GERM 3792 - German For Commerce (3)

German economy and global market. German business terminology and forms of communication. PREREQUISITE: GERM 2020, or equivalent.

#### GERM 3900 - German Culture/Society (3-6)

Intensive language and culture course; travel to German speaking country required. PREREQUISITE: permission of study abroad director.

### GERM 4302 - Advanced Grammar (3)

Special problems in grammar; recommended for majors and minors. PREREQUISITE: 3000 level German course or equivalent.

#### GERM 4443 - Germ Writ 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 - App Germ Linguistics (3)

Application of modern linguistic theories to learning German. PREREQUISITE: GERM 3301, 3302,

Women's Studies (WMST)

#### Foreign Languages and Literatures

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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)

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.

#### GERM 4793 - Time Warped (3)

Examination of German-speaking texts with settings based on mythological past or science fiction future.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

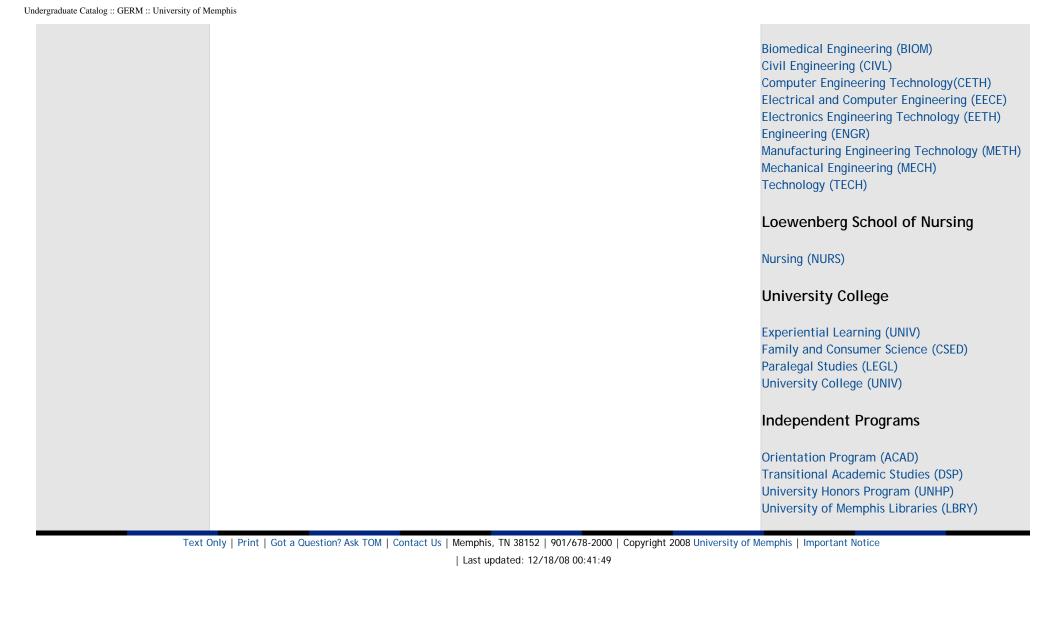
Instructional Design and Technology (IDT)

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# Herff College of Engineering





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Greek

#### (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)

(1101). Elements of grammar and syntax of ancient Greek; practice in reading and simple classical and New Testament passages.

## GREK 1020 - Elementary Greek II (3)

(1102). 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)

(2201). 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)

(2202). 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.

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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)

Social Work (SWRK)

Sociology (SOCI)

#### GREK 4441 - Homer (3)

Reading and analysis of selections from Homer's Iliad and Odyssey. PREREQUISITE: GREK 2020, or equivalent.

Women's Studies (WMST)

# Foreign Languages and Literatures

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Chinese (CHIN)

Classics (CLAS)

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# College of Communication and Fine Arts

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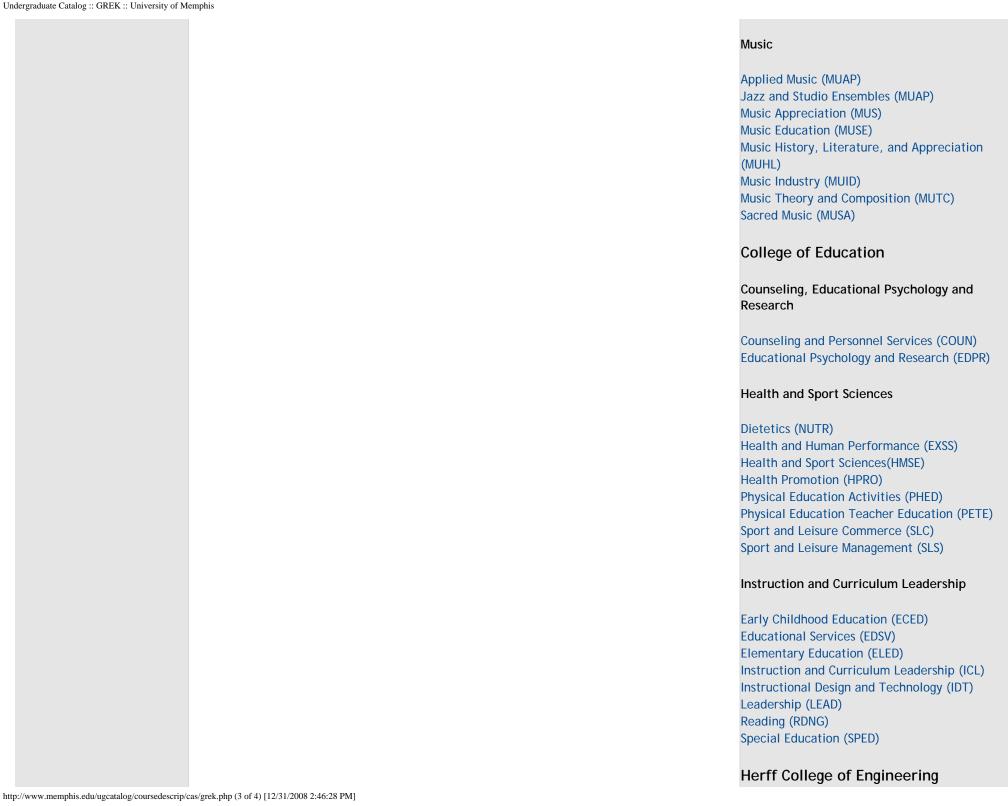
Communication (COMM)

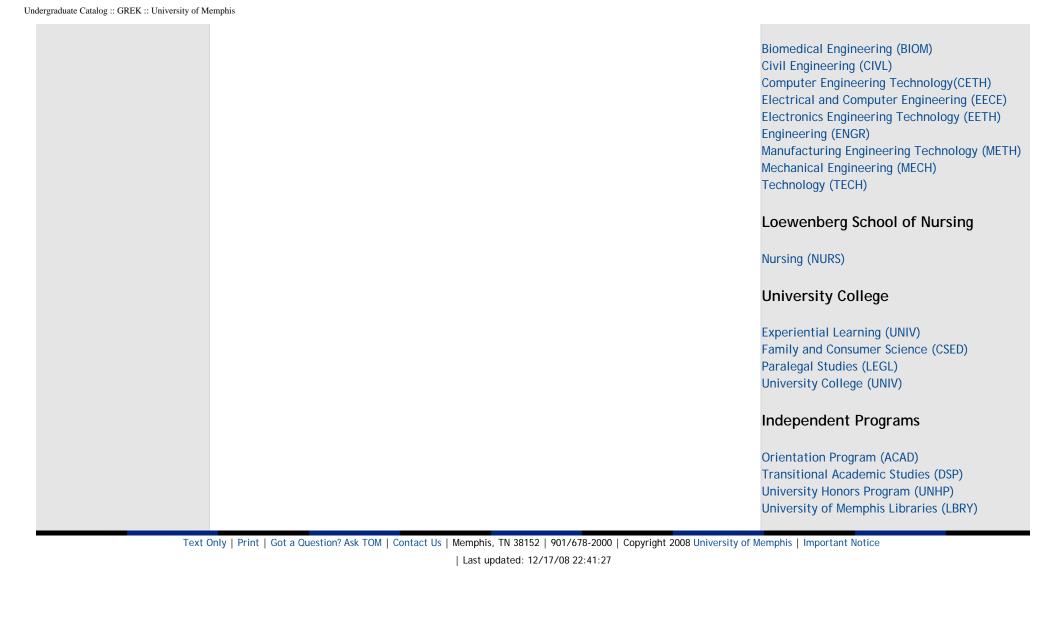
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Hebrew









(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)

(1101). Principles of pronunciation; everyday expressions: basic sentence patterns through oral practice, writing and reading.

HEBR 1020 - Elementary Hebrew II (3)

(1102). Continued study of sentence patterns through oral and written practice. PREREQUISITE: HEBR 1010, or equivalent.

HEBR 2010 - Intermediate Hebrew I (3)

(2201). Continued study of sentence patterns through oral and written practice. PREREQUISITE: HEBR 1020, or equivalent.

HEBR 2020 - Intermediate Hebrew II (3)

(2202). 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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Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

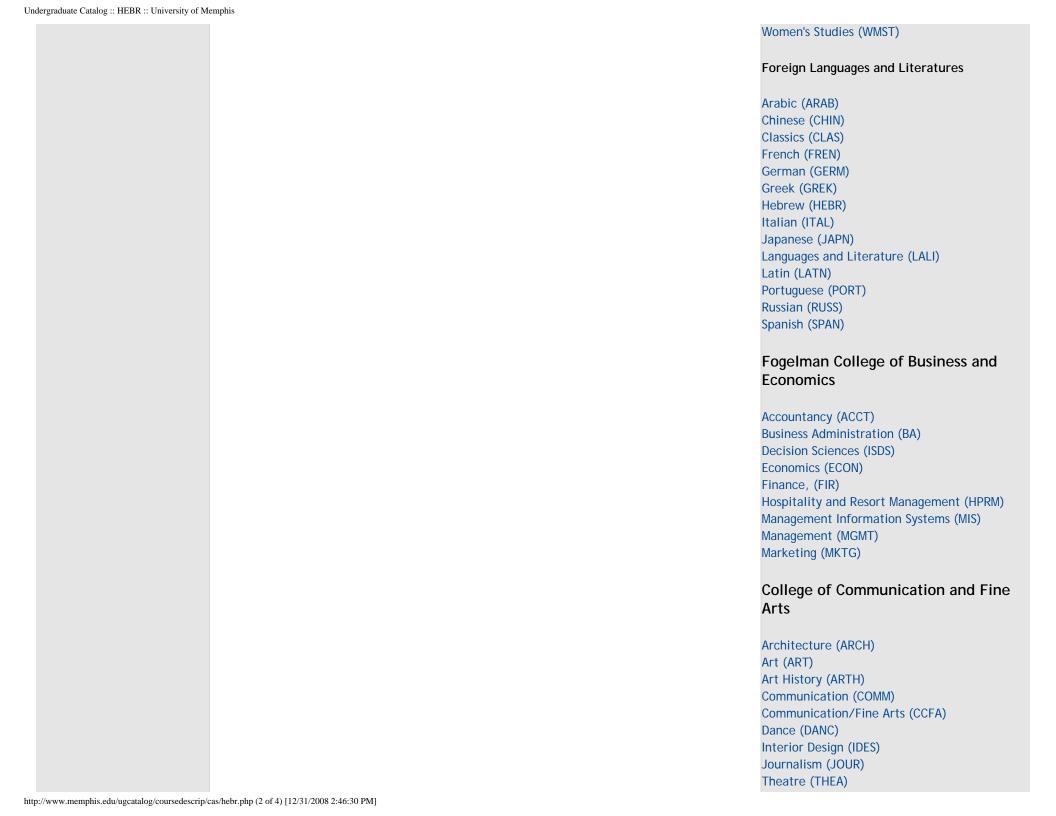
Open Learning Fire Services Program (PADM)

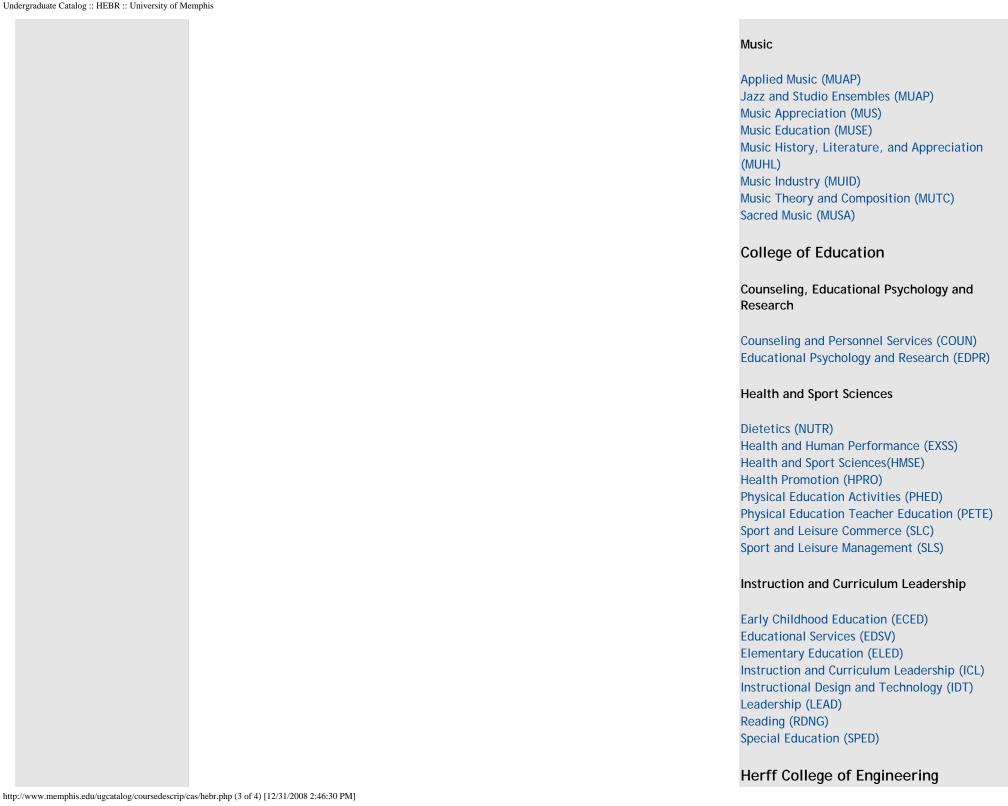
Public and Nonprofit Administration (PADM)

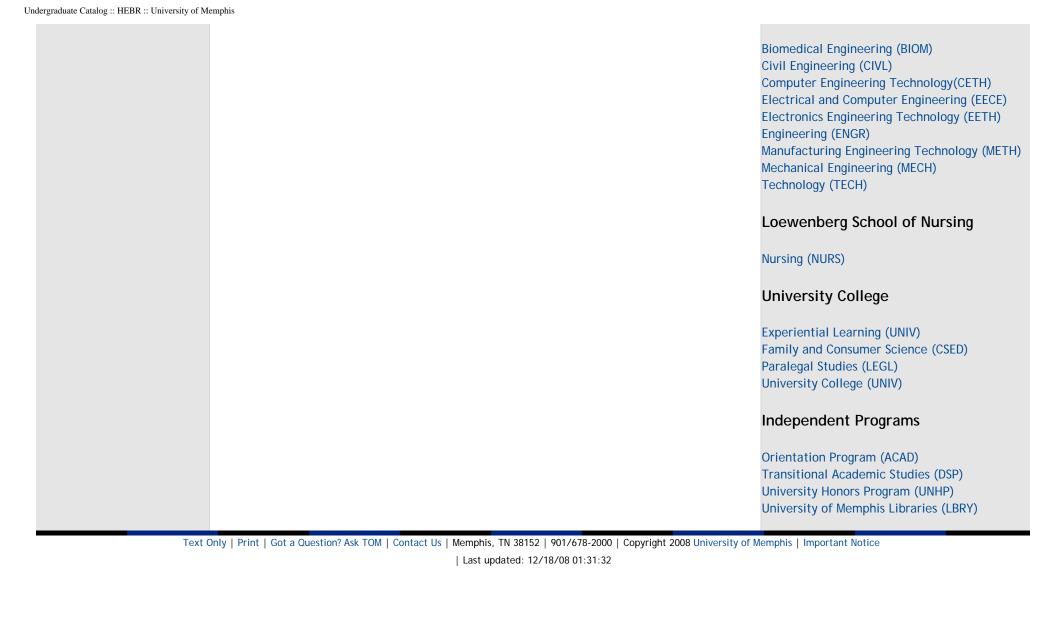
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Italian









(ITAL) ITALIAN

Department of Foreign Languages and Literatures Ralph Albanese, Ph.D., Chair Room 375, Dunn Hall http://fl.memphis.edu

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)

(1101). Basic skills fundamental to language proficiency and culture.

ITAL 1020 - Elementary Italian II (3)

(1102). Further development of basic skills fundamental to language proficiency and culture. PREREQUISITE: ITAL 1010, or equivalent.

ITAL 2010 - Intermediate Italian I (3)

(2201). Comprehensive review of basic grammar, exercises in conversation, writing, and cultural readings. PREREQUISITE: ITAL 1020 or equivalent.

ITAL 2020 - Intermediate Italian II (3)

(2202). 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.

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#### 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 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)

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.

#### ITAL 4791 - Adv Conversation/Composition (3)

Advanced vocabulary, grammar structures; broaden knowledge of Italian culture and civilization.

#### Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

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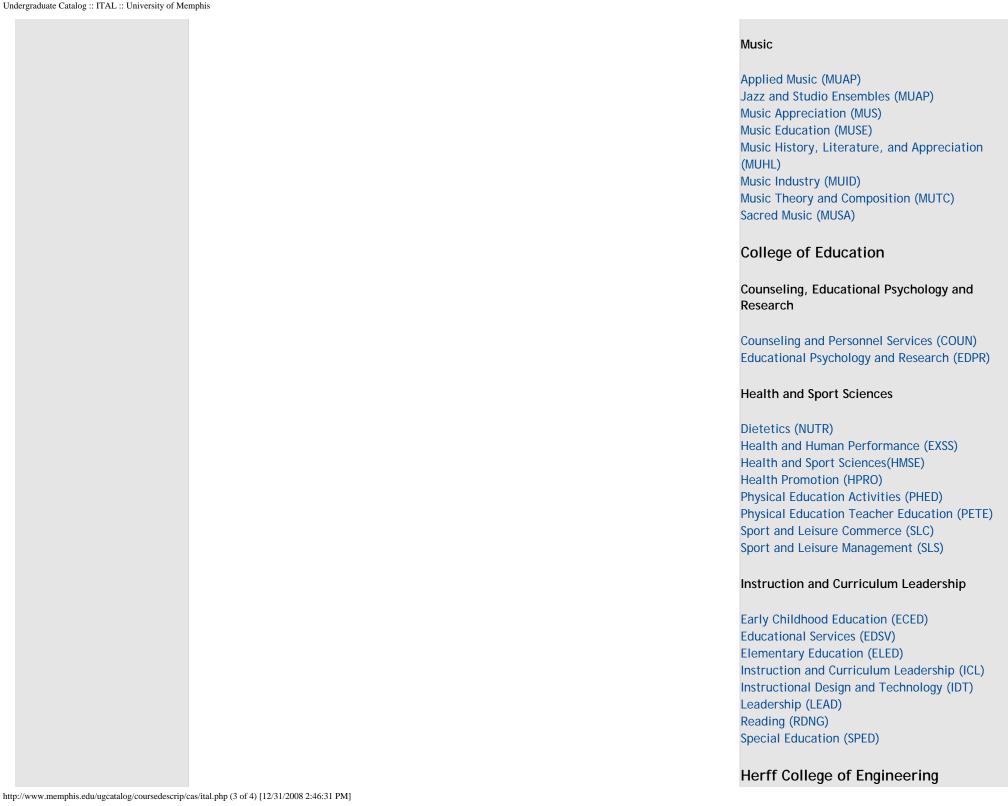
Communication (COMM)

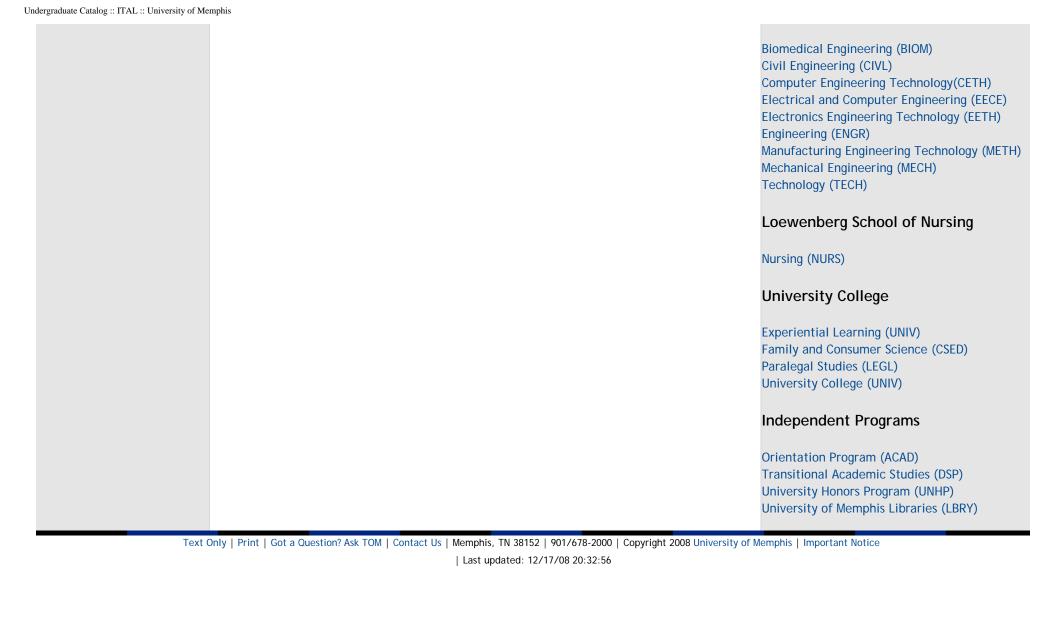
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<u>Japanese</u>









(JAPN) JAPANESE

Department of Foreign Languages and Literatures Ralph Albanese, Ph.D., Chair Room 375, Dunn Hall http://fl.memphis.edu

JAPN 1010 - Elementary Japanese I (3)

(1101). Basic skills fundamental to language proficiency and culture.

JAPN 1020 - Elementary Japanese II (3)

(1102). Further development of basic skills fundamental to language proficiency and culture. PREREQUISITE: JAPN 1010, or equivalent.

JAPN 2010 - Intermediate Japanese I (3)

(2201). Continued development of listening, speaking, reading and writing skills. PREREQUISITE: JAPN 1020, or equivalent.

JAPN 2020 - Intermediate Japanese II (3)

(2202). 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)

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Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

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 German (GERM) knowledge. PREREQUISITE: JAPN 3302 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 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.

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

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# College of Communication and Fine Arts

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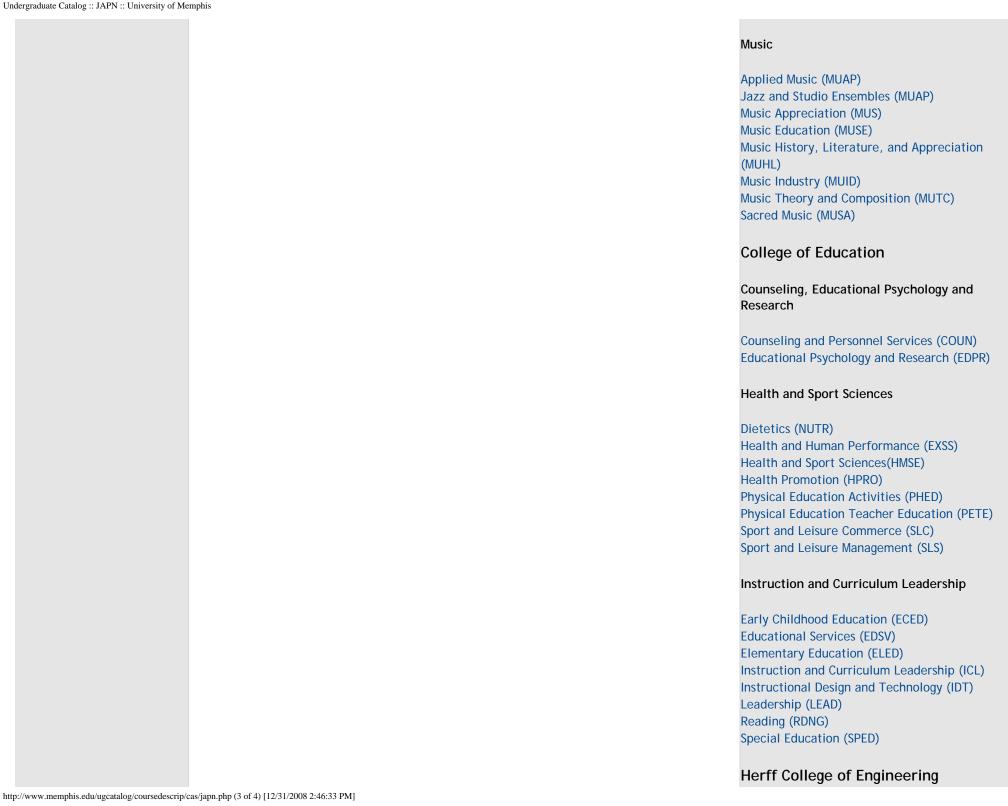
Communication (COMM)

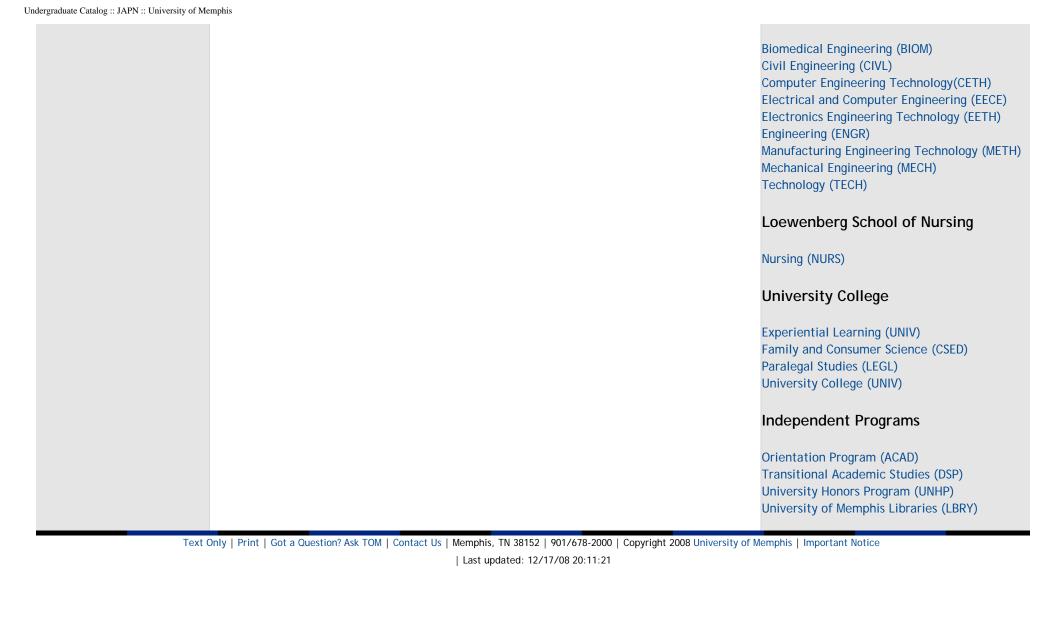
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Languages and Literature

#### (LALI) LANGUAGES AND LITERATURE

Department of Foreign Languages and Literatures Ralph Albanese, Ph.D., Chair Room 375, Dunn Hall http://fl.memphis.edu

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)

(1701). 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)

(1702). 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)

(2701). Continuation of LALI 1010 and 1020. Offered provided instructor is available and there is sufficient student enrollment.

LALI 2020 - Intermediate Foreign Lang II (3)

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Political Science (POLS)

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Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

(2702). Continuation of LALI 2010. Offered provided instructor is available and there is sufficient Women's Studies (WMST) student enrollment.

#### LALI 3661 - Old Testament (3)

(4661). (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 contemporary Italian movies in context of late 20th 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. [W]

#### LALI 4780 - Individual Study Lang and Lit (1-3)

Directed individual study in selected areas of language or literature chosen in 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.

#### Foreign Languages and Literatures

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Chinese (CHIN)

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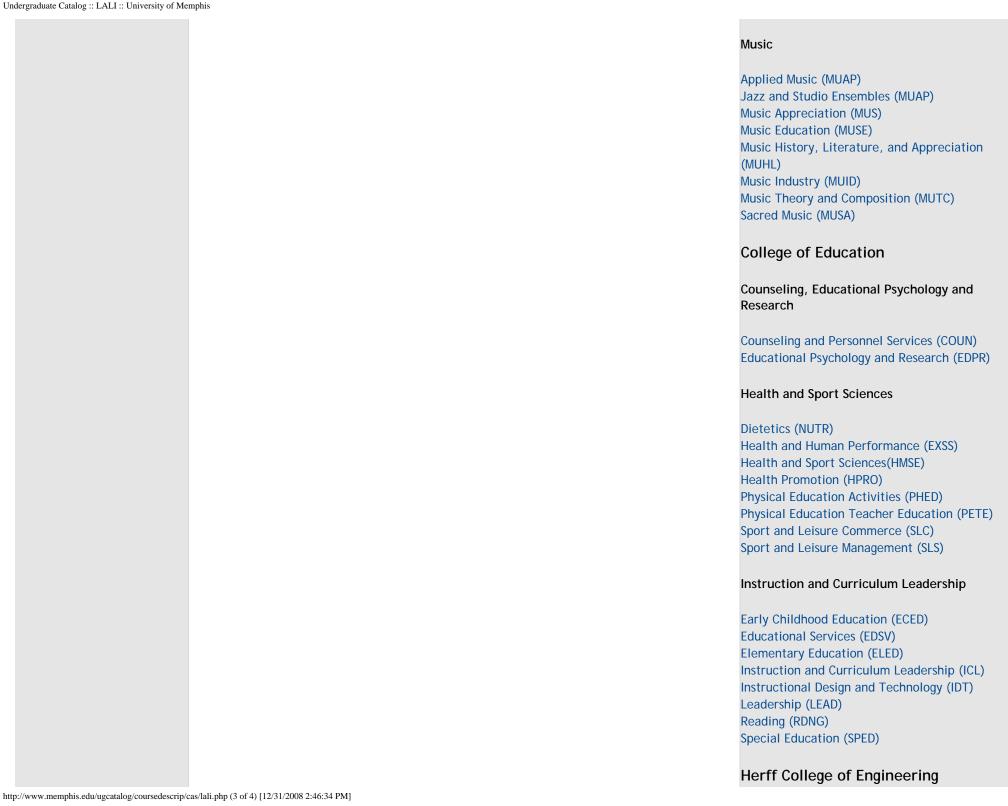
Communication (COMM)

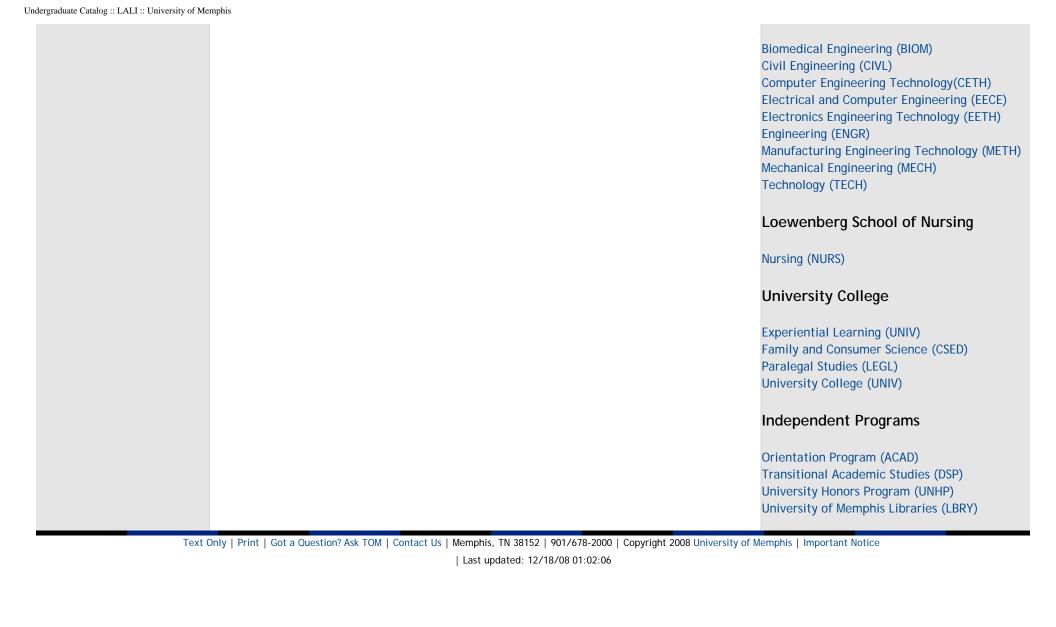
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Latin









(LATN) LATIN

Department of Foreign Languages and Literatures Ralph Albanese, Ph.D., Chair Room 375, Dunn Hall http://fl.memphis.edu

LATN 1010 - Elementary Latin I (3)

(1101). Elements of grammar; practice in Latin composition and translation.

LATN 1020 - Elementary Latin II (3)

(1102). Completion of elementary Latin grammar, with additional readings. PREREQUISITE: LATN 1010, or equivalent college level credit.

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)

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Social Work (SWRK)

Sociology (SOCI)

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.

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

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French (FREN)

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# College of Communication and Fine Arts

Architecture (ARCH)

Art (ART)

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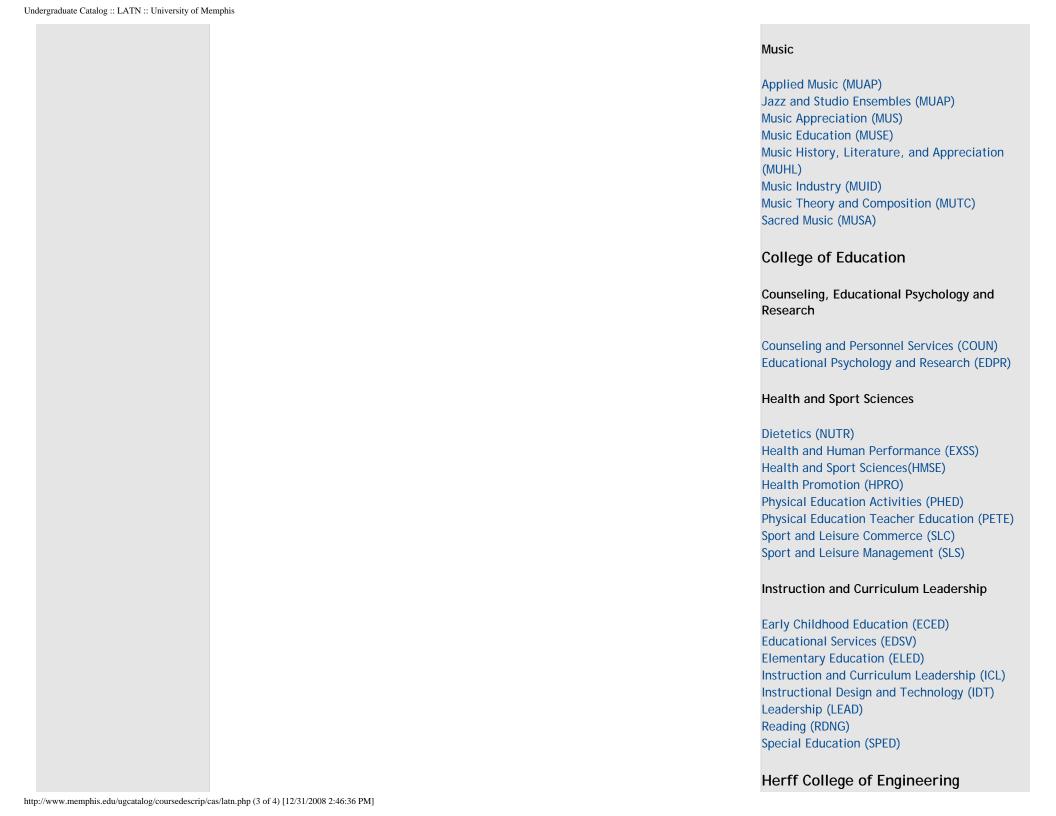
Communication (COMM)

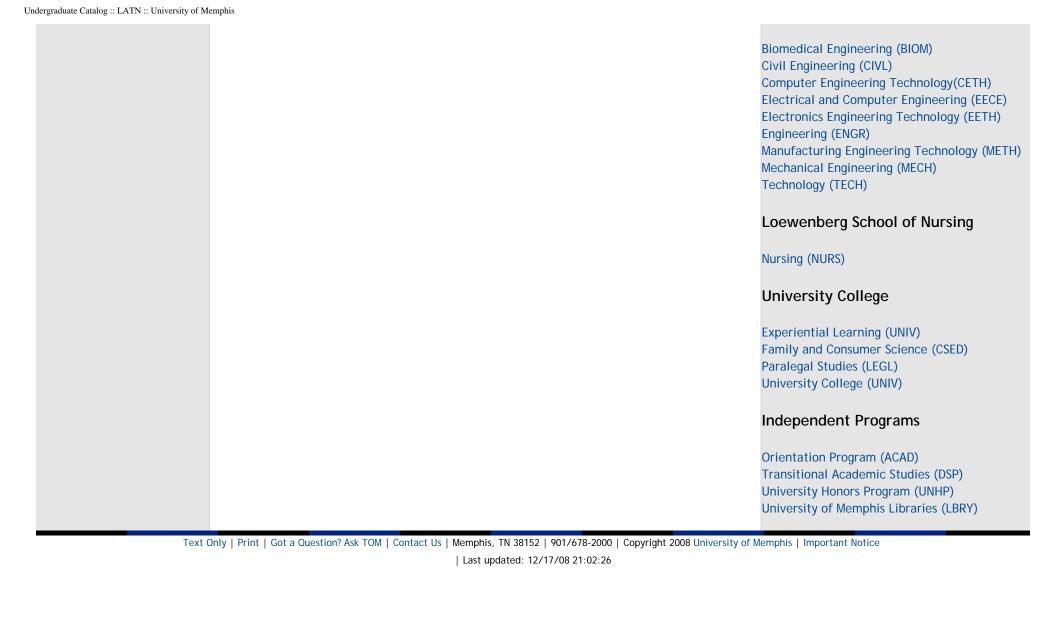
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Portuguese

#### (PORT) PORTUGUESE

Department of Foreign Languages and Literatures Ralph Albanese, Ph.D., Chair Room 375, Dunn Hall http://fl.memphis.edu

#### 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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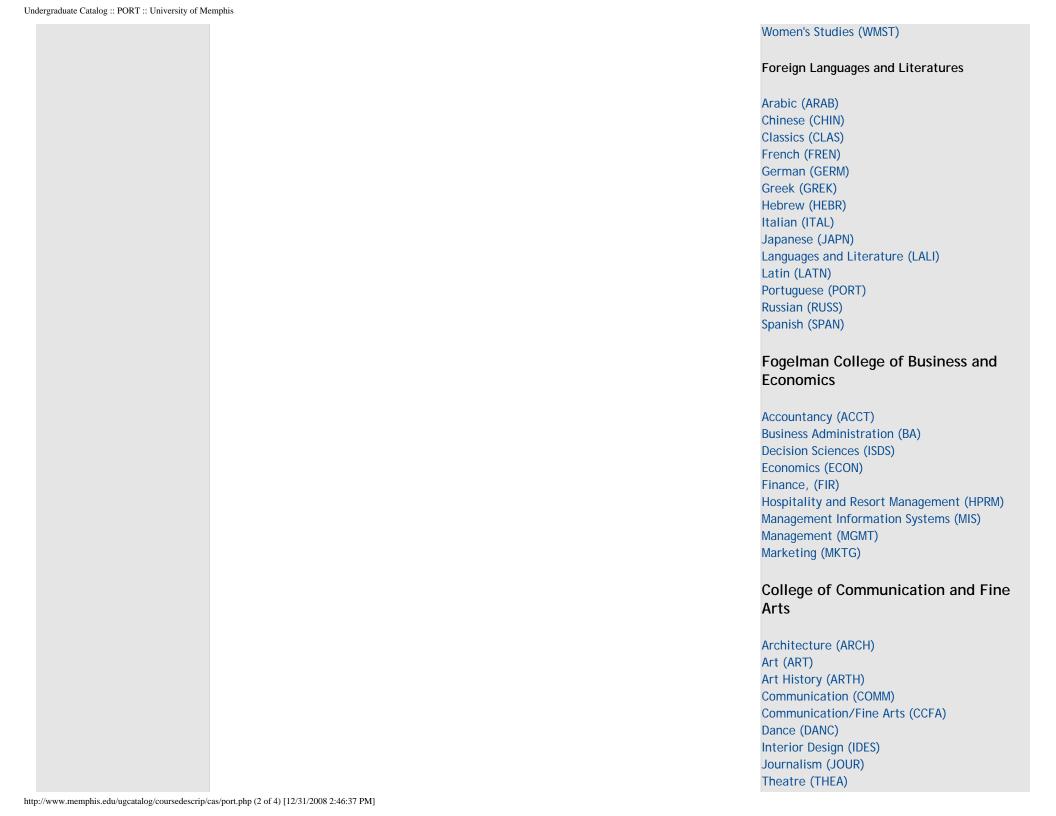
Open Learning Fire Services Program (PADM)

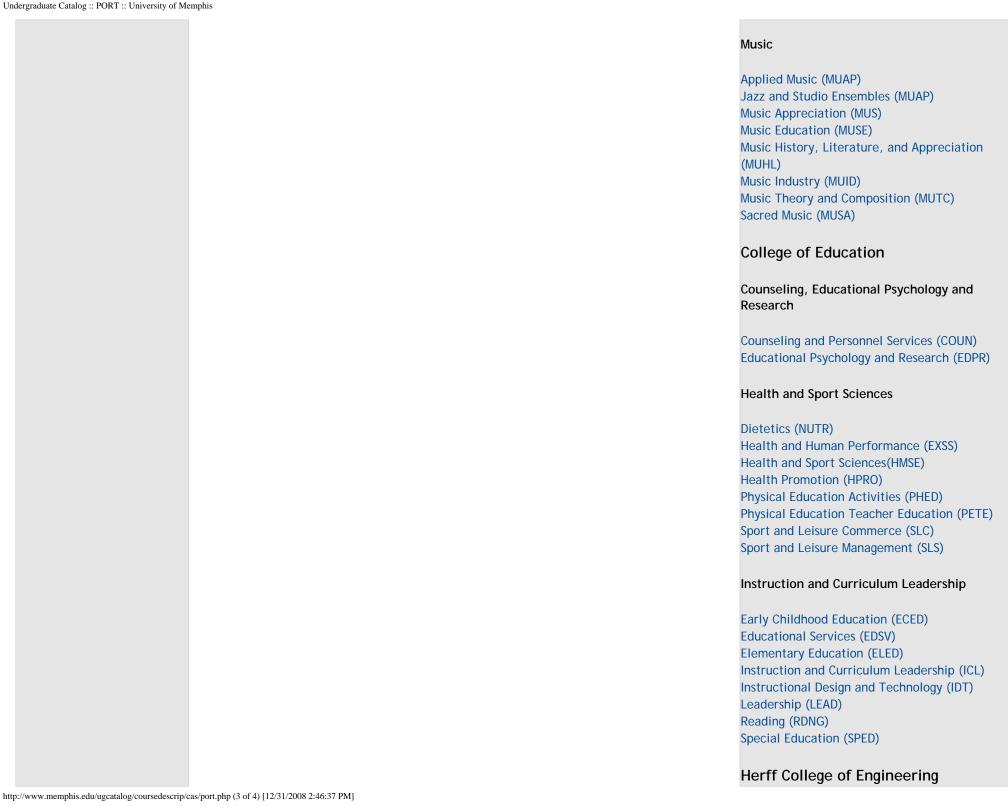
Public and Nonprofit Administration (PADM)

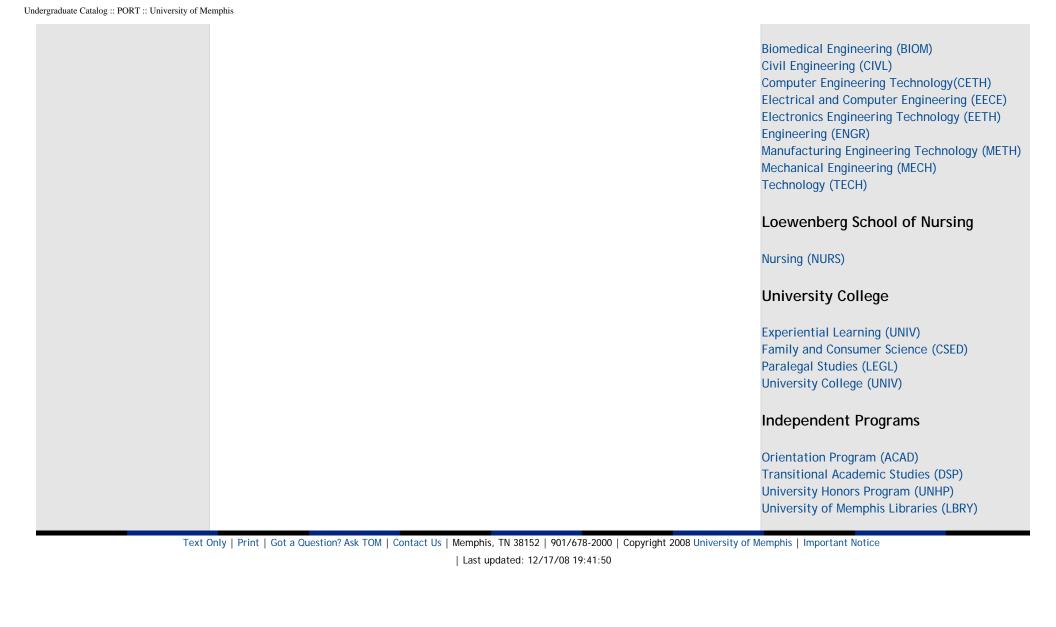
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Russian









(RUSS) RUSSIAN

Department of Foreign Languages and Literatures Ralph Albanese, Ph.D., Chair Room 375, Dunn Hall http://fl.memphis.edu

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)

(1101). Introductory survey of Russian grammar and phonetics.

RUSS 1020 - Elementary Russian II (3)

(1102). Continuation of RUSS 1010. PREREQUISITE: RUSS 1010, or permission of instructor.

RUSS 2010 - Intermediate Russian I (3)

(2201). Comprehensive review of Russian grammar, exercises in spoken and written Russian. PREREQUISITE: RUSS 1020, or permission of instructor.

RUSS 2020 - Intermediate Russian II (3)

(2202). 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

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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 prerevolutionary 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.

Women's Studies (WMST)

#### Foreign Languages and Literatures

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# College of Communication and Fine Arts

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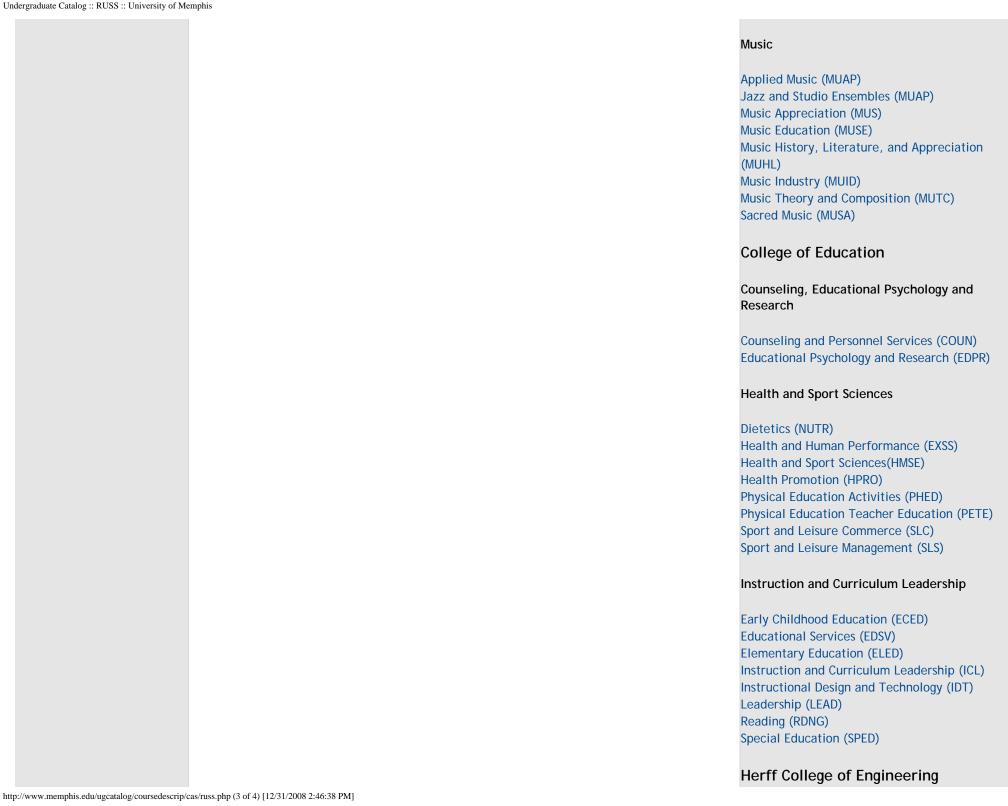
Communication (COMM)

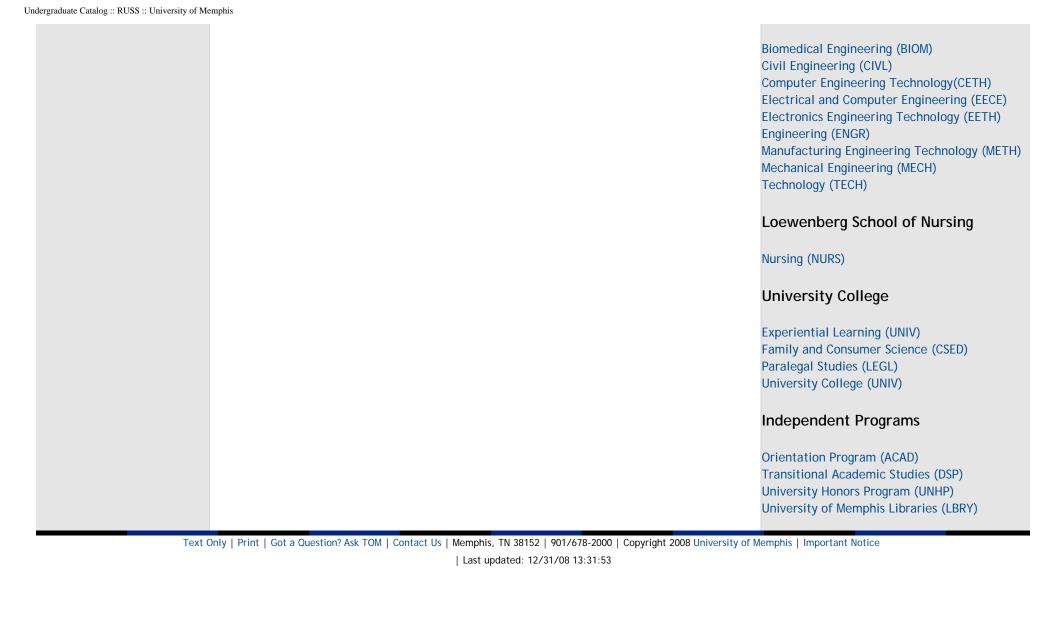
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Spanish









(SPAN) SPANISH

Department of Foreign Languages and Literatures Ralph Albanese, Ph.D., Chair Room 375, Dunn Hall http://fl.memphis.edu

In addition to the courses below, the department may offer the following Special Topics courses: SPAN 4790-99. Special Topics in Literature and Linguistics. (3). Literary topics include medieval literature, Golden Age, 19th century literature, and Spanish American drama. May be repeated for maximum of 6 hours credit. PREREQUISITE: permission of instructor.

SPAN 1010 - Elementary Spanish I (3)

(1101). Basic skills fundamental to language proficiency and culture.

SPAN 1020 - Elementary Spanish II (3)

(1102). Further development of basic skills fundamental to language proficiency and culture. PREREQUISITE: SPAN 1010, or equivalent.

SPAN 2010 - Intermediate Spanish I (3)

(2201). 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)

(2202). More advanced readings. PREREQUISITE: SPAN 2010, or equivalent.

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

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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 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. Required of majors and minors. PREREQUISITE: SPAN 3311, or permission of instructor.

#### 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 4306 - Applied Span Linguistcs (3)

Current research in linguistics, psycholinguistics and sociolinguistics and their contribution to second language teaching and second-language learning.

#### 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 4410 - Spanish Lit and Civilization (3)

Survey of literary movements and major figures with readings in literature and civilization. Required of majors. PREREQUISITE: 3312, or equivalent.

#### SPAN 4431 - Contemporary Spanish Prose (3)

Spanish prose from Generation of 1898 to present. PREREQUISITE: SPAN 4410, or permission of instructor.

#### SPAN 4432 - Contemp Spanish Poetry/Drama (3)

Spanish poetry and drama from Generation of 1898 to present. PREREQUISITES: SPAN 4410 or permission of instructor.

#### SPAN 4510 - Spanish Amer Lit/Civilization (3)

Survey of literary movements and major figures with readings in literature and civilization.

#### Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

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Interior Design (IDES)

Journalism (JOUR)

Required of majors. PREREQUISITE: SPAN 3312, or equivalent.

#### SPAN 4561 - Pre-Contemp Span Amer Fiction (3)

Development of Spanish American novel and short story from beginnings through 20th century. PREREQUISITE: SPAN 4510.

#### SPAN 4562 - Contemporary Span Amer Fiction (3)

Spanish American novel and short story of 20th century. PREREQUISITE: SPAN 4510.

#### SPAN 4563 - Spanish Lit Genres (3)

Spanish peninsular literature; selections from origins to present time; emphasis on textual analysis. PREREQUISITE: SPAN 4410, 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 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.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

Counseling, Educational Psychology and Research

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

#### **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

Early Childhood Education (ECED)

**Educational Services (EDSV)** 

Elementary Education (ELED)

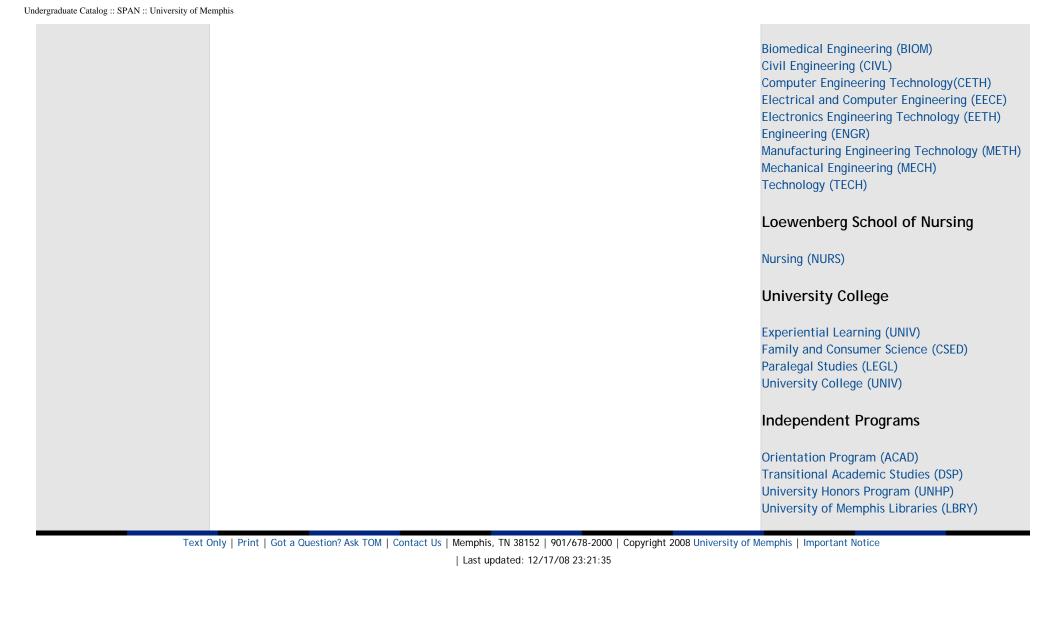
Instruction and Curriculum Leadership (ICL)

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Accountancy

#### (ACCT) ACCOUNTANCY

Kenneth R. Lambert, Ph.D., Director Room 200, Fogelman College of Business and Economics Administration Building

http://fcbe.memphis.edu/modules/general/Dp\_accounting.php

Students must have junior standing 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) 60 hours of course work including MATH 1830 or 1910 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: 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)

Introduction to measurement, realization, classification and disclosure concepts about businesses' financial statement; emphasis on how managers, creditors, and investors can analyze Public and Nonprofit Administration (PADM) financial accounting information to make investment, financing, and operating decisions.

ACCT 2020 - Fundamentals of Acct II (3)

Introduction to measurement and disclosure concepts about cost and profit of products,

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Sociology (SOCI)

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, MIS 2749.

#### ACCT 3011 - Business Law (3)

(FIR)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 Acct 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)

(FIR) Emphasis on legal, social, and political environment in which business and its executives 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)

(4450). 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. On-site practicum with an actual company. 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: ACCT 3120; PREREQUISITE or COREQUISITE: ACCT 4020.

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

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Journalism (JOUR)

#### ACCT 4241 - Auditing and Assurance (3)

Auditing of computer-based systems; emphasis on auditing 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 Stmnt 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 2010.

#### 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.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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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# College of Education

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#### **Health and Sport Sciences**

Dietetics (NUTR)

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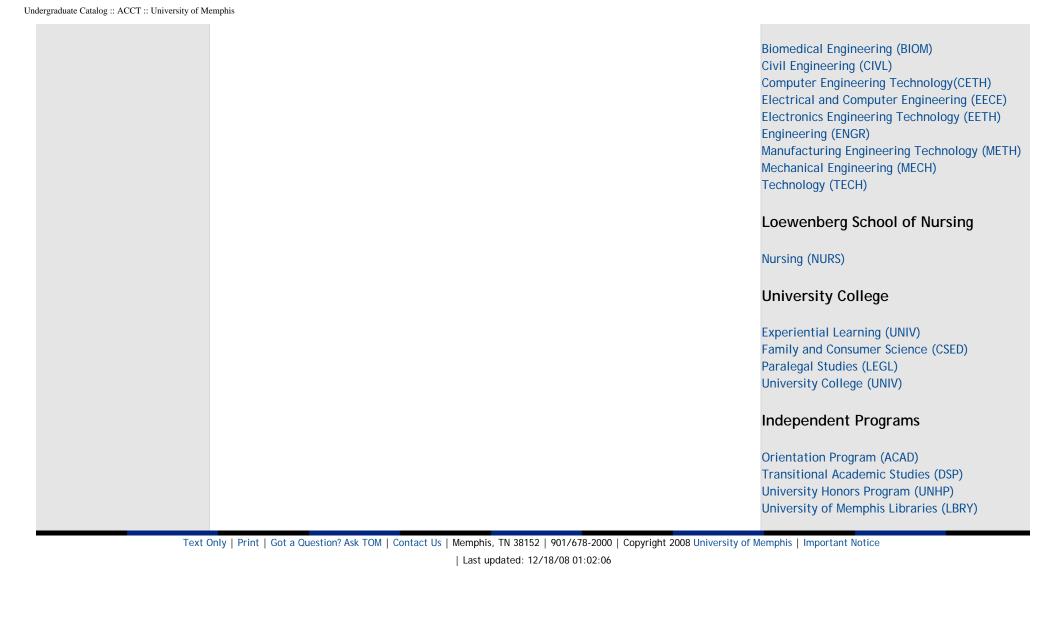
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**Business Administration** 

#### (BA) BUSINESS ADMINISTRATION

Carol Danehower, D.B.A., Associate Dean for Academic Programs Room 426, FCBE Administration Building

http://fcbe.memphis.edu/modules/general/index.php

Students must have junior standing 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) 60 hours of course work including MATH 1830 or 1910 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).

#### 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 Intnl 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

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Chemistry (CHEM)

Computer Science (COMP)

Criminology and Criminal Justice (CJUS)

Earth Sciences (ESCI)

English (ENGL)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

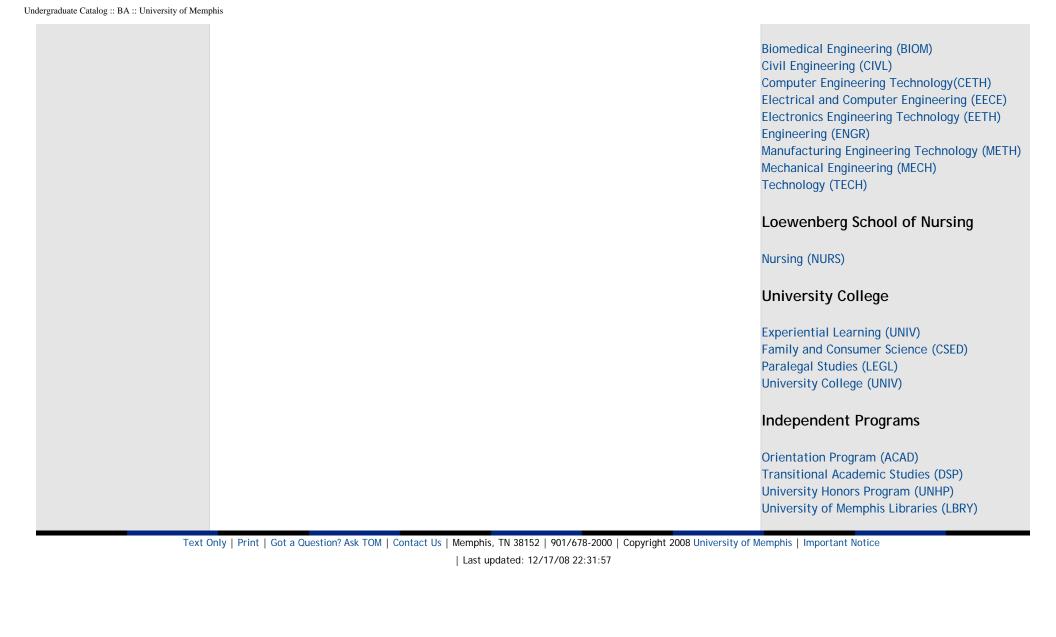
Social Work (SWRK)

Sociology (SOCI)

faculty of written research report by student. PREREQUISITE: 2.75 overall GPA and completed 15 Women's Studies (WMST) hours of Upper Division core. 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) Decision Sciences (ISDS)** 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)







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Campus Directory	Decision Sciences	
Calendar 2008 - 2009	(ISDS) DECISION SCIENCES	Course Descriptions
Degree Program and	Department of Marketing and Supply Chain Management	
Planning	Marla Royne Stafford , Ph.D., Chair	College of Arts and Sciences
	Room 302 FCBE Administration Building	ŭ
Description of the	http://fcbe.memphis.edu/modules/general/Dp_marketing.php?	Aerospace Studies (AERO)
University		African and African American Studies (AAAS
Services to Students	Students must have junior standing 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	Anthropology (ANTH)
Expenses	requirements, students seeking a degree in the Fogelman College of Business and Economics	Biology (BIOL)
	must have (1) completed all required lower division business courses with a minimum grade of	Chemistry (CHEM)
Academic Regulations	"C" in each; (2) minimum of 2.25 GPA (2.5 for accounting majors) in all required lower division	Computer Science (COMP)
Graduation from the	business courses and MATH 1830 or 1910, and (3) 60 hours of course work including MATH 1830	Criminology and Criminal Justice (CJUS)
University	or 1910 and 9 hours of English (See B.B.A. Degree Requirements-General Requirements).	Earth Sciences (ESCI)
Colleges and Degree		English (ENGL)
Programs	A surcharge of \$30 per credit hour for 3000 and 4000 level courses and \$30 per credit hour for	Health Administration (HADM)
	6000-9000 level courses has been approved by the Tennessee Board of Regents. The purpose of	History (HIST) Interdisciplinary Studies (INTD)
Course Descriptions	the surcharge on these business courses is to guarantee the continuous improvement of the	International Studies (INTL)
Faculty and Staff	college and compliance with the standards of the Association to Advance Collegiate Schools of Business International (AACSB International).	Judaic Studies (JDST)
	business international (AACSB international).	Mathematics (MATH)
Catalog Archive and		Military Science (ARMY)
University Links	ISDS 2710 - Business Statistics (3)	Naval Science (NAVY)
Class Offerings	Introduction to basic statistical procedures for analysis and interpretation of business data;	Philosophy (PHIL)
	collection and presentation of data, probability theory, measures of central tendency and	Physics (PHYS)
	variability, sampling distributions, estimation of parameters, and principles of hypothesis	Political Science (POLS)
Search the catalog:	testing. Introduction to a statistical software package. PREREQUISITE: MATH 1830 or 1910.	Open Learning Fire Services Program (PADM
	ISDS 3510 - Production/Operations Mgmt (3)	Public and Nonprofit Administration (PADM
	Operations as a key element of organizational strategy from a competitive viewpoint.	Psychology (PSYC)
	Integration of various techniques to facilitate solution to productivity and quality issues in both	Social Work (SWRK)
	manufacturing and service industries using multifunctional approaches in the creation of goods	Sociology (SOCI)
	and services. PREREQUISITE: ISDS 2710.	Statistics (MATH)
	ICDC 0744 Availation Table (Decision of (2))	Women's Studies (WMST)
	ISDS 3711 - Analytical Tools/Business (3)	
	Applied analytical and qualitative methods for analysis of common business decision problems; regression, math programming and optimization; forecasting, computer simulation, and decision	Foreign Languages and Literatures
	analysis. PREREQUISITE: ISDS 2710, or equivalent. [C]	
	analysis. Thenegolorie, 1000 27 10, or equivalent, [0]	Arabic (ARAB)
	ISDS 3760 - Operations Research (3)	Chinese (CHIN)
	Introduction to decision making, concentrating on problem solving technique; emphasis on	Classics (CLAS)

problem definition, model construction, and various solution techniques including linear programming, project analysis and control, queuing methods, and simulation. PREREQUISITE: ISDS 3711, MIS 2749 and 2755, or equivalent.

#### ISDS 4510 - Production/Operations Mgmt II (3)

Emphasis on entire production system; interface with engineering, role of materials management, relationship to data base management, and problems of systems coordination; master planning, value analysis, and organizational aspects of production environment critically examined. PREREQUISITE: MGMT 3110, ISDS 3510.

#### ISDS 4511 - Supply Chain Management (3)

Competitive strategy, SCM planning, SCM design, inventory management basics, strategic sourcing; B2B relationships, performance measurement, SCM enabling technology. PREREQUISITE: MGMT 3110, ISDS 3510, MKTG 3610.

#### ISDS 4512 - Productivity Management (3)

Total systems perspective toward analyzing productivity issues that affect organizational performance. Importance of correctly defining and measuring productivity and supporting activities to maintain it. PREREQUISITE: ISDS 3510, or permission of instructor.

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)** 

**Decision Sciences (ISDS)** 

**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)

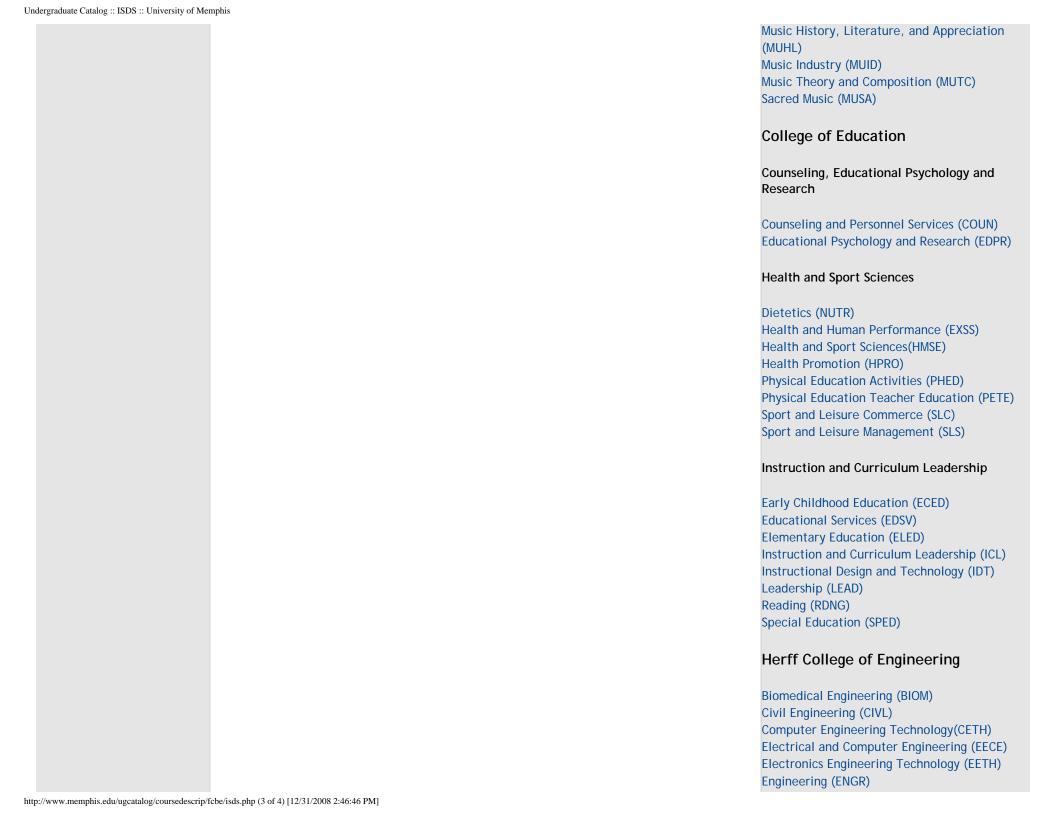
#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)







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Economics

(ECON) ECONOMICS

Julia A. Heath, Ph.D., Chair Room 400, FCBE Administration Building

http://fcbe.memphis.edu/modules/general/Dp\_economics.php

Students must have junior standing 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) 60 hours of course work including MATH 1830 or 1910 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 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 2110 - Intro Macroeconomics (3)

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 2120 - Intro Microeconomics (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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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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)

Social Work (SWRK)

Sociology (SOCI)

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 3022 - Public Finance (3)

Current economic issues and problems in the United States; emphasis on application of tools and analytical methods. PREREQUISITE: ECON 2110, 2120.

#### ECON 3024 - Economics of Ecology (3)

Current economic issues and problems in the United States; emphasis on application of tools and German (GERM) analytical methods. PREREQUISITE: ECON 2110, 2120.

#### ECON 3123 - Economics of Sports (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.

#### 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 2120.

#### 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 2120.

#### 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 2110.

#### 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 - Intnl 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 2110, 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 Art History (ARTH) banking in United States, deposit and earnings operations of individual banks, interbank and central bank relations. PREREQUISITE: ECON 2110.

### 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

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

Greek (GREK)

Hebrew (HEBR)

Italian (ITAL)

Japanese (JAPN)

Languages and Literature (LALI)

Latin (LATN)

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Spanish (SPAN)

# Fogelman College of Business and **Economics**

Accountancy (ACCT)

Business Administration (BA)

**Decision Sciences (ISDS)** 

**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)

Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

rewards, and structure of performance systems. PREREQUISITE: ECON 2120.

#### 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: ISDS 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 2120.

#### 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 2120.

#### 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 2120 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 2110.

#### 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 2110.

#### ECON 4510 - Data Structures And Cleaning (3)

Fundamentals of storing and retrieving data, basic structures, data cleaning techniques using SAS software; methods for examining the quality of data. PREREQUISITE: any one of the following: BIOM 2720, CIVL 3103, CJUS 3129, ISDS 2710, MATH 4614, POLS 4101, PSYC 3001, SOCI Instruction and Curriculum Leadership 3311.

#### ECON 4520 - Programming Concepts/Technique (3)

SAS syntax from basic to more advanced statistical concepts; techniques of good programming. PREREQUISITE: ECON 4510.

#### ECON 4530 - From Data To Information (3)

Capstone course focusing on applications; procedure for taking raw data to analysis through final presentation. Case studies presented and analyzed. PREREQUISITE: ECON 4520.

#### ECON 4620 - Mathematical Economics (3)

Introduction to way in which basic mathematical tools are used by economists; applications to

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

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)

consumer theory, production theory, market structures, macroeconomic theory. PREREQUISITE: ECON 2110, 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 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.

#### 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. [I]

#### 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.

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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

# **Independent Programs**

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

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inance, Insurance and Real Estate

#### (FIR) FINANCE, INSURANCE AND REAL ESTATE

Ronald W. Spahr, Ph.D., Chair

Room 402, Fogelman College of Business and Economics Administration Building http://fcbe.memphis.edu/modules/general/Dp\_finance.php?

Students must have junior standing 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) 60 hours of course work including MATH 1830 or 1910 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: 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 2220 - Personal Financial Mgmt (3)

Non-technical dealing with broad areas of budgeting, insurance, borrowing and credit purchases, Public and Nonprofit Administration (PADM) 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)

# **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

To assist individual investors of all backgrounds in development and monitoring of an investment Women's Studies (WMST) 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 - Business Finance (3)

Fundamentals of business finance; time value of money, capital budgeting techniques, securities valuation, and cost of capital. PREREQUISITE: ACCT 2020, ECON 2120, ISDS 2710.

#### FIR 3710 - Investments (3)

Principles of investment in stocks and bonds. Includes fundamental, economic, and 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 3770 - Derivative Markets (3)

Use of futures, options, forwards, swaps with primary focus on practical application in financial markets. PREREQUISITE: FIR 3710.

#### 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 4111 - Fin Analysis/Certification (3)

Fundamental knowledge of investment principles; professional certification information.

#### FIR 4112 - International Business Law (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 4113 - Stock Portfolio Mgmt (3)

Development and monitoring of investment porfolio.

#### FIR 4310 - Real Estate Law (3)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

Greek (GREK)

Hebrew (HEBR)

Italian (ITAL)

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# Fogelman College of Business and **Economics**

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Business Administration (BA)

Decision Sciences (ISDS)

**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)

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. PRFRFOUISITF: FIR 3410.

#### 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 Fin (3)

Application of tools and principles introduced in previous courses to develop up-to-date problem Health and Sport Sciences(HMSE) 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 Institutns (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 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 - Property/Liability Insurance I (3)

Forms and functions of fire, marine, automobile, general liability and other types of property

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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 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)

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)

Problems of risk manager in small and large firms, methods of handling risk that serve as alternatives to obtaining insurance, and brief survey of insurance as standard for comparisons.

#### 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.

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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

# **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

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Hospitality and Resort Management

(HPRM) HOSPITALITY AND RESORT MANAGEMENT

Department of Management Robert R. Taylor, Ph.D., Chair Room 140D, Wilson School of Hospitality and Resort Management http://wilson.memphis.edu/

Students must have junior standing 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) 60 hours of course work including MATH 1830 or 1910 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: 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 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.

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

#### 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 2010 - Business of Hospitality (3)

Varied aspects of lodging, food service, clubs, cruise lines, natural attractions, man-made attraction, transportation, intrastructure; retail businesses; sports; special events and activities; outfitters, tour operators, travel management; destination marketing organizations.

#### HPRM 2050 - Food/Beverage Operation (3)

Introduction to food and beverage operations with focus on both quantitative and qualitative control points in food service operation; food sanitation and safety; components of food as related to preparation, processing, sensory and nutritional quality; analysis of food service operation.

#### 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 3330 - Hotel/Resort Operation (3)

(4330). Management of critical resources for running hotel and resort operation in effective and efficient manner; customer services, service quality, and service delivery.

#### HPRM 3600 - Entertainment Mgmt (3)

Fundamental standards, techniques, practices of club, cruise, gaming, theme park, special events management. PREREQUISITE: HPRM 2010.

#### HPRM 4111 - Internship in HPRM (1)

Internship in structured learning environment in field. PREREQUISITE: permission of instructor.

#### HPRM 4315 - Hospitality Human Resource Mgt (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 4320 - Hospitality Services Mktg (3)

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)

**Decision Sciences (ISDS)** 

**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)

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/Bev Mgmt (3)

(Same as NUTR 4322). Foundations of managing restaurants and associated beverage 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 (3)

Issues, theories, and best practices of resort and lodging industry. PREREQUISITE: HPRM 3330, MGMT 3110, 3510.

#### HPRM 4340 - Info 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 Dev/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 4600 - Trends in HPRM (3)

Current issues and challenges of global hospitality and tourism industry. PREREQUISITE: HPRM 4315, 4320, and senior standing.

#### 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.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

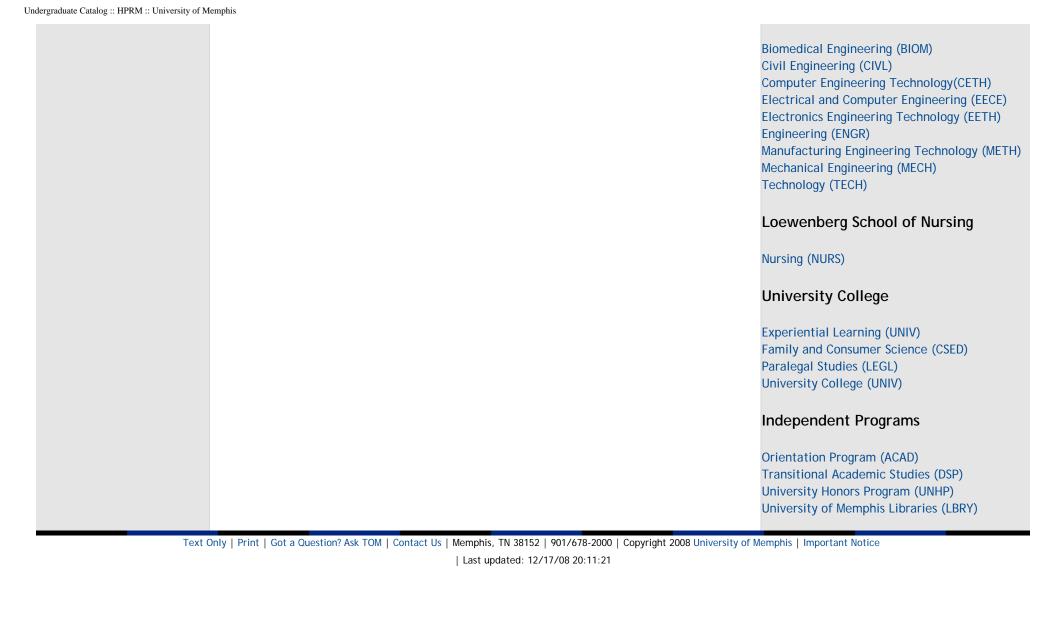
Instruction and Curriculum Leadership (ICL)

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Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)





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Management Information Systems

(MIS) MANAGEMENT INFORMATION SYSTEMS

Department of Management Information Systems Jasbir S. Dhaliwal, Ph.D., Chair Room 300, FCBE Administration Building

http://fcbe.memphis.edu/modules/general/Dp\_management.php?

Students must have junior standing 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) 60 hours of course work including MATH 1830 or 1910 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). (ISDS). Topics varied and announced in online class listings. PREREQUISITE: permission of instructor.

## MIS 2749 - Intro Business Microcomptrs (3)

(ISDS). Introduction to use of microcomputers for performing business activities; use of lab environment with direct instruction uses of current software and electronic communication.

MIS 2755 - Intro Mgmt Info Systems (3)

(ISDS). Introduction to major concepts in business information systems; emphasis on use of

**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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Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

information systems to solve business problems.

## MIS 2770 - Comp Hardware/Software (3)

(ISDS). Provides experience working with common operating systems including UNIX, DOS/ Windows, and Mainframe; file manipulation, editing functions, communication, and shell programming. PREREQUISITE: MIS 2749, 2755.

## MIS 2845 - Applied Program Develop I (3)

(ISDS). Introduction to business application programming; program development using languages and techniques widely employed in business environment. PREREQUISITE: MIS 2749, 2755.

## MIS 3755 - Application Program Develop II (3)

(ISDS). Intermediate level business application program development using languages and techniques widely employed in business environment. PREREQUISITE: MIS 3745, or equivalent.

## MIS 3765 - E Commerce Business Applicatn (3)

(ISDS). Basic electronic commerce concepts applied within context of supply chain management. Latin (LATN) PREREQUISITE: MIS 2749 and 2755.

## MIS 3770 - System Analysis Methods (3)

(ISDS). 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, transition from analysis to design. PREREQUISITE or COREQUISITE: MIS 3775.

## MIS 3775 - Database Management (3)

(ISDS). 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: MIS 2770 or equivalent.

## MIS 3780 - Application Prog Develop III (3)

(ISDS). Advanced programming of business applications using current high level languages and techniques widely employed in business environment. PREREQUISITE: MIS 3745, or equivalent.

## MIS 3790 - Network/Design/Mgmt (3)

(ISDS). Introduction to business telecommunications concepts and terminology; decentralization of computer processing, communication links, communications oriented hardware and software, network design, and network management. PREREQUISITE: MIS 2770.

## 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 3885 - Strategic IT Project Mgmt (3)

Principles, process, tools of modern project management; general business project management

Women's Studies (WMST)

## Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

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Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

and information technology specific project management; strategic implications of project management to organizational strategy; use of currently available project management software Music 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: MIS 3885.

## MIS 4310 - Global Info Technology (3)

(ISDS). 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 Design (3)

(ISDS). Design, development, implementation and evaluation of business Web sites; global design and implementation issues. PREREQUISITE: MIS 3745.

## MIS 4800 - Info Resource Mgmt (3)

(ISDS). Broad overview of information systems management function with particular attention to Counseling, Educational Psychology and planning, organizing and controlling user services and to managing computer information systems development process. PREREQUISITE: MIS 3775 and 3790: PREREQUISITE or COREQUISITE: MIS 3770.

## MIS 4910 - Mgmt Info Sys Problems (1-3)

(ISDS). 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)

(ISDS). 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.

## MIS 4996 - Senior Honors Thesis/MIS (3)

(ISDS). 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.

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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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## Instruction and Curriculum Leadership

Early Childhood Education (ECED)

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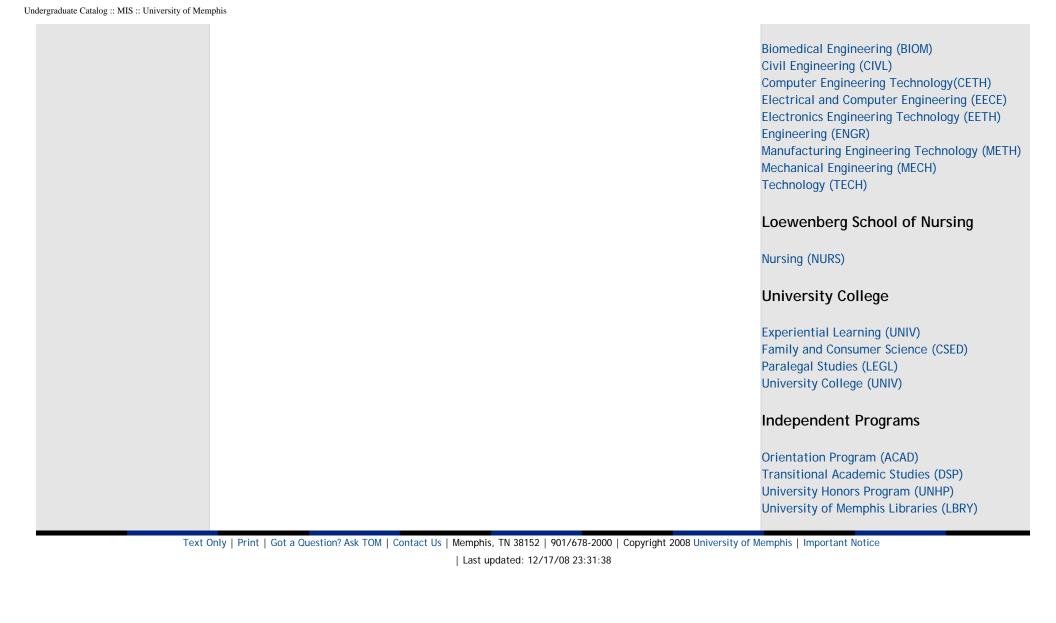
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Management

## (MGMT) MANAGEMENT

Robert R. Taylor, Ph.D., Chair Room 202, FCBE Administration Building

http://fcbe.memphis.edu/modules/general/Dp\_management.php?

Students must have junior standing 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) 60 hours of course work including MATH 1830 or 1910 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: MGMT 4110-19. Special Topics in Management. (3). Topics varied and in online class listings. PREREQUISITE: permission of instructor.

## 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)

## **Course Descriptions**

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Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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 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 business ethics, technology, and intercultural communication. PREREQUISITE: MIS 2749, or equivalent. [W]

## MGMT 4115 - Conflct/Negot/Org Politc (3)

Topics varied and in online class listings. PREREQUISITE: permission of instructor.

## MGMT 4118 - Global City/Sprt Indstry (3)

Dynamics of globalization and concept of the "global city" as applied to the sport industry.

## MGMT 4119 - Intrnl Mgmt/Sprt Indstry (3)

International management located in the context of global sporting industry.

## 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 - Labor Relations (3)

Examination of historical, legal, and institutional relationship between labor and management; negotiating/collective bargaining process, administration of contract, establishment and utilization of grievance procedures, and current issues in labor management relations. PREREQUISITE: MGMT 3110, 3215, 3510.

## MGMT 4260 - Employee Staff/DevIpmnt (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)

Women's Studies (WMST)

## Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

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## Fogelman College of Business and Economics

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**Business Administration (BA)** 

Decision Sciences (ISDS)

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Finance, (FIR)

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## 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)

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 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. [I]

## 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 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.

## MGMT 4911 - Internship In Mgmt (1-6)

Internship in business organization to gain on-the-job experience. Project to be approved and supervised by departmental faculty. Credit allowed upon acceptance of report. PREREQUISITE: 2.75 overall GPA and completed 15 hours in Upper Division core.

## MGMT 4996 - Senior Honors Thesis (3)

Independent research open only to those students enrolled in the Honors Program. Thesis supervised by departmental faculty member. PREREQUISITE: senior standing and permission of the Director of the Honors Program.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

Counseling, Educational Psychology and Research

Counseling and Personnel Services (COUN)
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## **Health and Sport Sciences**

Dietetics (NUTR)

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**Educational Services (EDSV)** 

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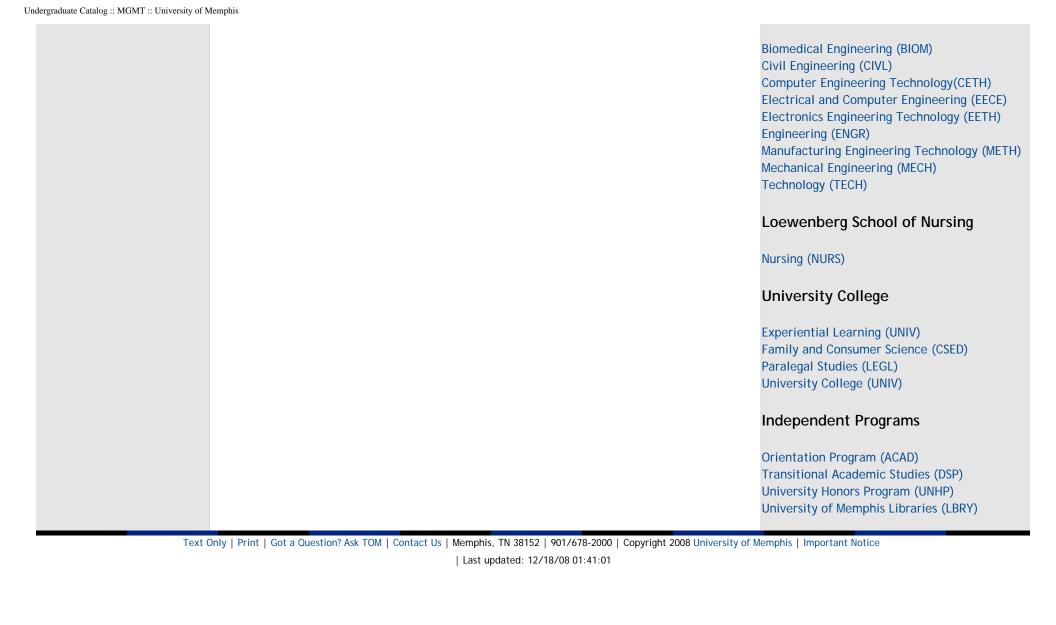
Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

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Marketing

## (MKTG) MARKETING

Department of Marketing and Supply Chain Management Marla Royne Stafford, Ph.D., Chair Room 302 FCBE Administration Building http://fcbe.memphis.edu/modules/general/Dp\_marketing.php?

Students must have junior standing 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) 60 hours of course work including MATH 1830 or 1910 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.

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

## MKTG 3012 - Consumer Behavior (3)

Why consumers behave as they do; psychological and sociological theories and principles applied to current marketing problems. 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 3410 - Consultive Selling (3)

Basics of personal selling: preparation, personality development, communications, sales interview techniques, ethics, and career opportunities; selling skills developed via sales presentations, role playing, audio-visual self-observation, and use of sales aids.

## MKTG 3610 - Intro Supply Chain Mgmt (3)

Purchasing and supply management; operations management; transportation and logistics.

## MKTG 3620 - Global Logistics Mgmt (3)

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: MKTG 3610.

## MKTG 3650 - Strategic Sourcing (3)

Role of purchasing function within organization; purchasing process; procurement and commodity strategy; insourcing/outsourcing; supplies evaluation and selection; supplier management and development; global sourcing; cost and price analysis; negotiation; contract management; new product development.

## MKTG 4080 - Marketing Research (3)

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; hypothesis testing, regression, analysis of variance; database marketing, data mining research. PREREQUISITE: ISDS 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 4240 - Relationship Marketing (3)

Implementation of a direct marketing program, including telemarketing, cataloging, direct mail, electronic media, and direct response advertising, and how it fits into overall marketing strategies. PREREQUISITE: MKTG 3010.

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)

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## Fogelman College of Business and Economics

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Finance, (FIR)

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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)

## 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)

Emphasis on fundamental skills in negotiation across a variety of settings, including business, law, health care, and public administration; basics of both collaborative and competitive approaches, including planning tools and techniques; will address international focus.

## 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 4901 - Mgmt of Mktg Strategies (3)

Comprehensive study of marketing strategies implementation; computer simulated case studies; projects developed for integration of marketing practice in contemporary business applications. Student should take in final semester. PREREQUISITE: MKTG 3012, 3140.

## 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 in business organization to gain on-the-job experience. Project to be approved and supervised by area faculty member. Credit allowed only after acceptance of student's written report. PREREQUISITE: 2.75 overall GPA and completed 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.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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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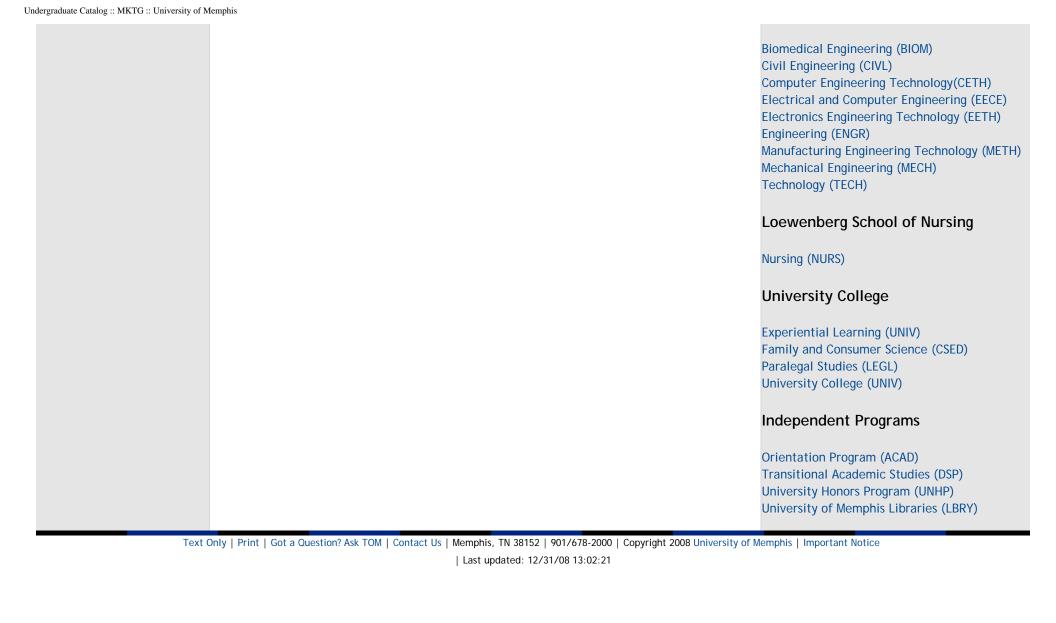
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**Architecture** 









(ADOLI) ADOLUTEOTUDE Demants and a Campbillants

(ARCH) ARCHITECTURE Department of Architecture

Michael D. Hagge , M.Arch., Chair Room 404, Jones Hall

http://architecture.memphis.edu

Additional fees are charged for some Architecture courses. See the online class listings or the Expenses section of the Catalog.

## ARCH 1111 - Fundamentals of Design (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.

## ARCH 1112 - Arch Graphics Studio (3)

(1521). 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 (3)

(1500). Fundamental principles of architecture and design; historical, cultural, theoretical aspects of architecture and design; architecture profession values, ethics.

## ARCH 1211 - History of Architecture I (3)

(1555). Major trends in architecture from prehistoric times to Renaissance; emphasis on impact of technological and social changes on prevailing architectural styles.

**Course Descriptions** 

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Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

## ARCH 1212 - History of Architecture II (3)

(1556). 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 I (3)

(1561). 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 - Structures I (3)

(3401). 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 II (3)

(1562). Advanced study of building types and building systems; material and their properties as related to architecture; drafting of details included. PREREQUISITE: ARCH 1411.

## ARCH 2611 - Computer Appl/Architecture I (3)

(2561). Computer aided drafting and design applications to produce computer generated architectural design and working drawings. PREREQUISITE: ARCH 1112, 1411.

## ARCH 2612 - Computer App/Architecture II (3)

(3562). Advanced concepts of computer generated drawings including LISP programming, tool bar customization, utilization of third party software for special applications, file referencing, 3- Decision Sciences (ISDS) D building studies, site development. PREREQUISITE: ARCH 2611, or equivalent.

## ARCH 2711 - Arch Design I Studio (5)

(2555). 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 - Arch Design II Studio (5)

(3520). 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 II (3)

(3471). Fundamentals of structural design and analysis of steel and timber buildings and building components. PREREQUISITE: ARCH 2311. [C]

## ARCH 3313 - Structures III (3)

(3472). Fundamentals of structural design and analysis of concrete buildings and building components. PREREQUISITE: ARCH 2311.

## Women's Studies (WMST)

## Foreign Languages and Literatures

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## ARCH 3421 - Environmental Systems (3)

(3531). Studies in environmental technologies in architecture; mechanical systems, plumbing, electrical and energy conservation. COREQUSITE: ARCH 3713.

## ARCH 3431 - Professional Practice (3)

(4535). Professional practice of architecture; professional services of architect; professional ethics; building programming. PREREQUISITE: ARCH 3713.

## ARCH 3713 - Arch Design III Studio (5)

(4515). 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 - Arch Design IV Studio (5)

(4615). 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 - Arch Independent Study (1-3)

(4660). 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 - Arch/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. COREQUISITE: ARCH 4822.

## 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/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 Instruction and Curriculum Leadership in relation to its aesthetic. PREREQUISITE: ARCH 1211, 1212, or equivalent.

## ARCH 4441 - Construction Documents (3)

(4600). 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)

(2556). 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.

#### Music

Applied Music (MUAP)

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Music Education (MUSE)

Music History, Literature, and Appreciation

(MUHL)

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## College of Education

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## **Health and Sport Sciences**

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## ARCH 4613 - Computer Appl/Arch III (3)

Advanced design, modeling, analytical concepts using various computer software programs. PREREQUISITE: permission of instructor.

## ARCH 4715 - Arch Design V Studio (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 VI Studio (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/Arch Studio (3-6)

(4650). 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)

(4994). 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)

(4651). Comprehensive overview of significant issues of contemporary urban design; emphasis on Independent Programs experiential nature of cities, role of public policy, and genesis and development of urban building types. PREREQUISITE: permission of instructor.

## ARCH 4822 - Arch/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. COREQUISITE: ARCH 4022.

## ARCH 4841 - Studio Study Abroad (3-9)

(4655). 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)

(4944). Study and research in specific area culminating in an integrating experience through individual and/or group projects and technical reports. PREREQUISITE: ARCH 4715. [W, I] (A-F, IP)

## ARCH 4931 - Senior Thesis Seminar (1)

(4940). Study and research in a specific area culminating in an integrating experience through individual project; research techniques, preliminary research and conceptual development of

Biomedical Engineering (BIOM) Civil Engineering (CIVL) Computer Engineering Technology(CETH) Electrical and Computer Engineering (EECE) Electronics Engineering Technology (EETH) Engineering (ENGR) Manufacturing Engineering Technology (METH) Mechanical Engineering (MECH) Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY) Undergraduate Catalog :: ARCH :: University of Memphis

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)

(1101). 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.

## **Course Descriptions**

## College of Arts and Sciences

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Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

## 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)

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)

Use of basic drawing materials and techniques; analysis and rendering of the human form, stilllife, 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 Graphc Des (3)

Introduction to computer graphic design; overview of technical and aesthetic issues 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)

(3331). Preliminary course in theory and practice of oil painting. PREREQUISITE: ART 1210, 1311, Architecture (ARCH) 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 acquatint; lithography includes crayon, wash, and transfer; emphasis on personal

Women's Studies (WMST)

## Foreign Languages and Literatures

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## College of Communication and Fine **Arts**

Art (ART)

Art History (ARTH)

Communication (COMM)

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Dance (DANC)

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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)

(4224). 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 Dsgn 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. [C]

## ART 3314 - Drawing And Concepts (3)

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (MUAP)

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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Elementary Education (ELED)

Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

(2314). Problems in visual communication; emphasis on personal expression; conceptual and 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)

(2414). 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

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University of Memphis Libraries (LBRY)

departure for student work; how student work relates to traditions. PREREQUISITE: ART 2702, or permission of instructor.

## ART 4011 - Hist Struct Adapt Reuse (3)

Topics are varied and in online class listings. May be repeated for a maximum of 9 hours credit when topic varies.

## ART 4209 - Digitl/Motion Typogrphy (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 MItimd/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.

## 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 Desgn 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. [I]

## 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.

## 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: ICL 7912.

#### 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 4610 - Senior Studio (3)

Studio production and associated research that interrelates historical, technical, and aesthetic components of visual art; contract for study project to be approved by instructor and faculty committee in semester prior to registration. PREREQUISITE: Art major, senior status with concentration in Art Education; Ceramics/Painting/Printmaking/Sculpture or Photography. [I]

## 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.

## 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. [C]

## ART 4703 - Alternative Photogrphc 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.

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Class Offerings









Art History

(ARTH) ART HISTORY

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 2101 - World Art I (3)

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.

ARTH 2102 - World Art II (3)

Continues World Art I; development of visual arts from medieval period through Renaissance to present.

ARTH 4030 - Mod American Photo 1900/1970 (3)

Topics are varied and in online class listings. May be repeated to a maximum of 9 hours credit when topic varies.

ARTH 4111 - Art/Arch Egypt (3)

Predynastic to Late Period. PREREQUISITE: ARTH 2101 or permission of instructor.

ARTH 4112 - Egypt Art-Old Kingdom (3)

Art, architecture, and archaeology, 3000-1500 B.C. PREREQUISITE: ARTH 2101, or permission of instructor.

ARTH 4113 - Egypt Art-New Kingdom (3)

Art, architecture, and archaeology, 1500 B.C.-642 A.D. PREREQUISITE: ARTH 2101, or permission Statistics (MATH)

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

of instructor.

## ARTH 4121 - Ancient Art Near East (3)

Architecture, sculpture, painting, and the minor arts in Mesopotamia, Anatolia, and Syria Palestine. PREREQUISITE: ARTH 2101, 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 Arch (3)

Selected topics comparing the architecture of ancient Egypt, the Classical world, and Medieval Europe. PREREQUISITE: ARTH 2101.

## ARTH 4130 - Art/Medieval World (3)

Architecture, sculpture, and painting, including manuscript illumination of the middle ages; Western European and Byzantine traditions. PREREQUISITE: ARTH 2101, 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 2101, 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 2101, or permission of instructor.

## ARTH 4141 - Early Renaissance Italy (3)

Architecture, sculpture and painting of Italy, 1300-1510. PREREQUISITE: ARTH 2101, 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 2101, 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 2102, or permission of instructor. [W]

## ARTH 4146 - Baroque Art (3)

Architecture, sculpture, and painting produced in Europe during Seventeenth Century. PREREQUISITE: ARTH 2102 or permission of instructor.

## ARTH 4148 - Neo-Class/Romanticism (3)

#### Women's Studies (WMST)

## Foreign Languages and Literatures

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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)

Western European art, ca. 1760-1850 emphasizing painting, sculpture, and art theory. PREREQUISITE: ARTH 2102, or permission of instructor.

## ARTH 4149 - Realism & Impressionism (3)

Western European art, ca. 1850-1880, emphasizing painting, sculpture and art theory. PREREQUISITE: ARTH 2102, 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 2102, or permission of instructor.

## ARTH 4153 - Cubism Thru Surrealism (3)

History of avant-garde art before World War II. PREREQUISITE: ARTH 2102, 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 2102, or permission of instructor.

## ARTH 4157 - Contemp Art/Theory/Crit (3)

Historical movements, theory and criticism: 1968 to present.. PREREQUISITE: ARTH 2102, or permission of instructor.

## ARTH 4158 - Modern Architecture (3)

Survey of 19th century styles, 20th century masters, and contemporary developments in architecture; historic preservation.

## ARTH 4160 - Architecture & 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 2102, or permission of instructor.

## ARTH 4181 - Arts Africa/Oceania/Na (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.

#### Music

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Jazz and Studio Ensembles (MUAP)

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Music Education (MUSE)

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## 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. [I]

## ARTH 4197 - Adv Indiv Research/ARTH (3)

May be repeated for credit when topic varies. PREREQUISITE: permission of instructor.

## ARTH 4381 - Art Curatorial Tech (3)

Curatorial responsibilities and functions: receiving and shipping methods, registration, physical and environmental security, research, conservation, and study of art market and publications.

## 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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Communication

(COMM) COMMUNICATION Michael Leff, Ph.D., Chair

Room 143, Theatre and Communication Building

https://umdrive.memphis.edu/g-communication/www/

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 Communcatn (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 1823 - TV/Video Production Lab (1-3)

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 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 2381 - Oral Communication (3)

Principles and practices of basic oral communication forms with emphasis on listening and

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Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

critical understanding related to contemporary mass media, especially television and film, and to public information and decision making. [G]

## COMM 3001 - Rhetoric/Civic Controv (3)

Theory and practice of rhetoric; art of designing, delivering, interpreting persuasive messages; study of various forms of rhetoric, including argument and narrative; strategies for building persuasive arguments.

## COMM 3002 - Theories/Human Comm (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.

## COMM 3003 - Television/Culture (3)

(3861). Social, political, and aesthetic dimensions of television in contemporary culture.

## COMM 3321 - Argumentation & 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 decisionmaking. 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, persuasibility, and attitude change; items for analysis drawn from speeches, advertising, radio, television, and film.

#### COMM 3330 - Comm Research Methods (3)

Examination and application of qualitative and quantitative methods of research. PREREQUISITE: COMM 1780 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 - Communcatn & Leadrship (3)

Relationship between communication variables and leadership styles and effectiveness in various College of Communication and Fine 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-Amercn 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 - Broadcst/Electrnc Media (3)

Survey of broadcast and electronic media dealing with technology, history, programming, economics, advertising, and regulation.

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)

**Decision Sciences (ISDS)** 

Economics (ECON)

Finance, (FIR)

Hospitality and Resort Management (HPRM)

Management Information Systems (MIS)

Management (MGMT)

Marketing (MKTG)

## Arts

Architecture (ARCH)

Art (ART)

Art History (ARTH)

Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

## COMM 3801 - TV Prdctn Tech for JOUR (4)

For majors in the broadcast journalism sequence; basic principles and techniques of video production with production exercises. PREREQUISITE: permission of instructor.

## COMM 3820 - Brdcst Prep/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 - Radio Prod Studio/Oper (3)

Preparation, production and evaluation of programs, including talk, discussion, interview, music documentary and special event shows; emphasis on construction, editing, and compilation for broadcast use.

## 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 - Communcto In Organitos (3)

Study of communication systems and problems in contemporary organizations with emphasis on the role of communication in corporate culture and organizational change.

#### 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 - Computer Mediated Comm (3)

Theories of computer-mediated communication in interpersonal relationships and organizations; role and impact of the internet and computer technology in society.

#### COMM 4217 - Contemplative Communication (3)

Topics are varied and announced in online class listings. May be repeated for a maximum of 9 hours credit when topic varies.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

## 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 - Interpresal Communicata (3)

Theory, research and practice regarding dyadic communication.

## COMM 4342 - Small Group Communcatn (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/Comm (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 Comm (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 Comm 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 - Intercultrl Communicatn (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 settings.

## COMM 4380 - Communication/Conflict (3)

Theories and methods of conflict management and resolution focusing on practical communication skills.; concepts of perception, listening and peacemaking emphasized.

## COMM 4381 - Seminar/Rhetoric/Comm (3)

Intensive examination of the presentation of public issues in political and entertainment forms (speeches, drama, television, and film). PREREQUISITE: Senior standing, or permission of

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY) 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/Prog Pol (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 - Radio/Tv Programming (3)

Analysis of individual program formats (with examples); use of this information along with ratings and other audience research to study design of program schedules. PREREQUISITE: COMM 3800.

## COMM 4812 - Comm Law/Prfrmng 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 Prdctn 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 postproduction 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 - Docmentry Form Brdcstng (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 Brdcast/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 - Produce/Direct Film/Vid (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. [I]

#### 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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Communications/Fine Arts

(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.

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

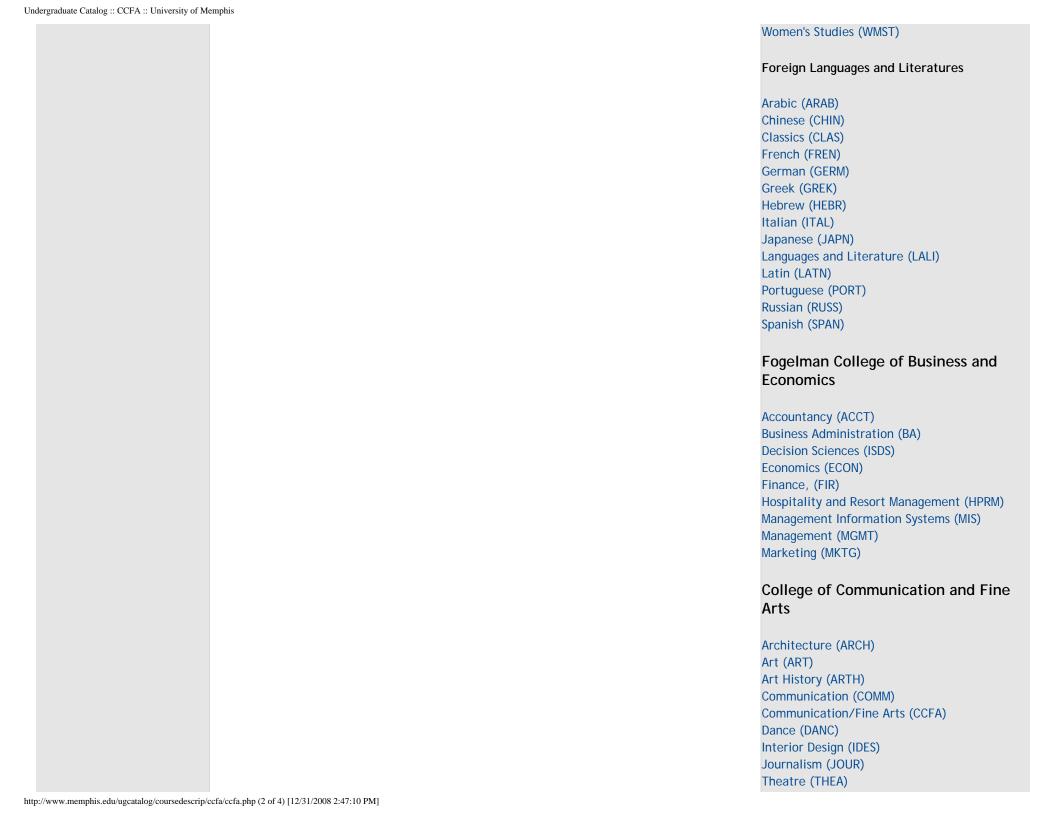
Public and Nonprofit Administration (PADM)

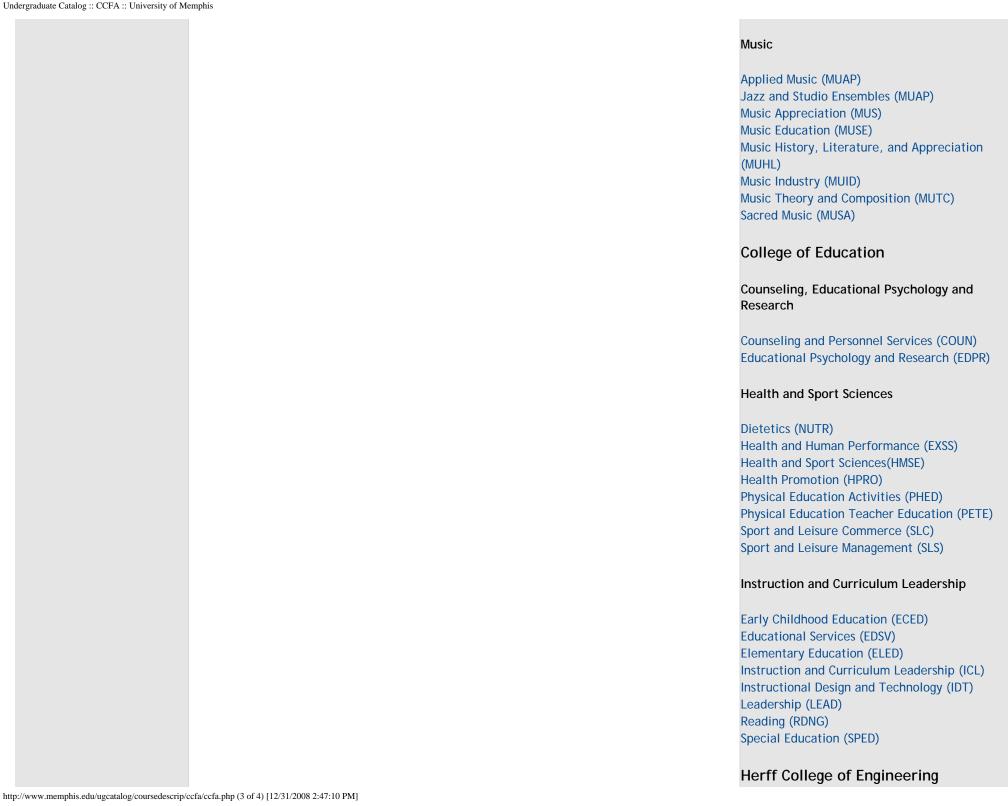
Psychology (PSYC)

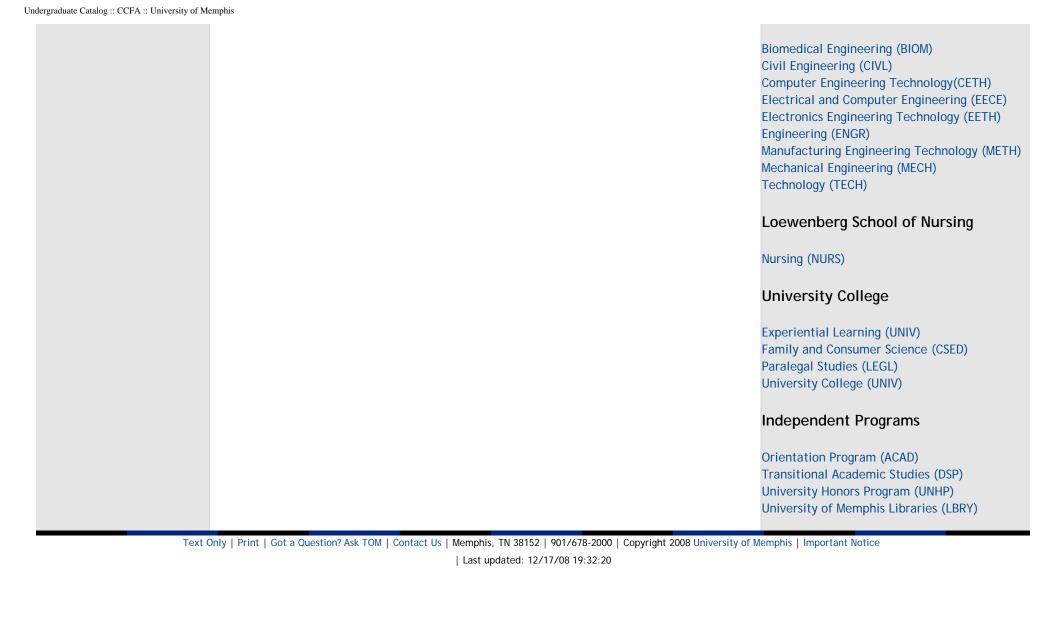
Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)









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Dance

#### (DANC) DANCE

Department of Theatre and Dance Robert A. Hetherington, M.A., Chair Room 143D, Theatre and Communication Building https://umdrive.memphis.edu/g-theatre/www/

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. [G]

#### 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. [G]

#### 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. [G].

DANC 1831 - Tap Dance I (2)

## **Course Descriptions**

## College of Arts and Sciences

Aerospace Studies (AERO)

African and African American Studies (AAAS)

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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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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). PREREQUISITE: permission of instructor.

#### 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. [G]

#### DANC 2825 - Ballet II (2)

Intermediate ballet techniques. May be repeated for a maximum of 14 hours credit. PREREQUISITE: permission of instructor. [G]

#### DANC 2827 - Jazz Dance II (2)

Intermediate jazz dance techniques. May be repeated for a maximum of 14 hours credit. PREREQUISITE: permission of instructor. [G]

#### 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)

#### 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 3825 - Ballet III (2)

Advanced ballet technique. May be repeated for a maximum of 14 hours credit. PREREQUISITE: permission of instructor.

#### 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 Thea 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)

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)

Decision Sciences (ISDS)

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)

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. 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). PREREQUISITE: permission of instructor.

#### 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. PREREQUISITE: DANC 4201, or permission of instructor. (I)

#### 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. PREREQUISITE: DANC 2821, or permission of instructor.

#### 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. PREREQUISITE: DANC 2821, or permission of instructor.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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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Sport and Leisure Management (SLS)

## Instruction and Curriculum Leadership

Early Childhood Education (ECED)

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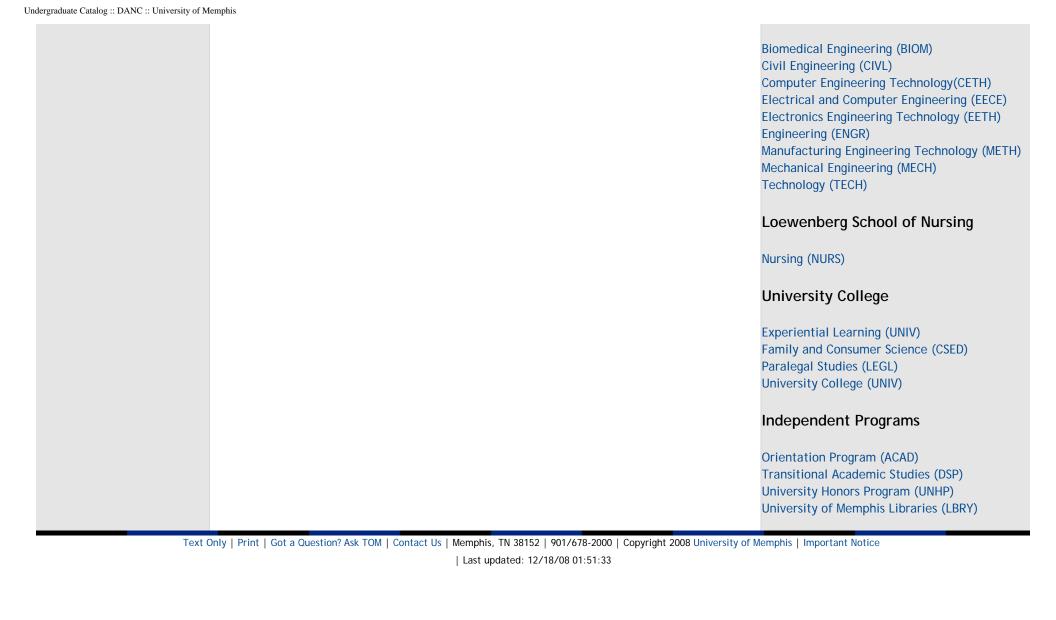
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## Herff College of Engineering





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Academic Regulations Graduation from the	Michael D. Hagge , M.Arch., Chair Room 404, Jones Hall	Colle		
University	http://architecture.memphis.edu	Aerosp		
Colleges and Degree Programs	Additional fees are charged for some Interior Design courses. See the online class listings or the Expenses section of the Catalog.	Africar Anthro Biology		
Course Descriptions		Chemi		
Faculty and Staff Catalog Archive and University Links	IDES 1110 - Interior Color/Comp (3) (ART 1235). Application of color theory and design composition to specific requirements of interior design practice, through lectures and studio assignments. PREREQUISITE: IDES 1120, or permission of instructor.	Compu Crimin Earth S English		
Class Offerings	IDES 1120 - Intro Interior Design (3)	Health		
	(ART 1233). Processes of interior design and various aspects and considerations involved in practice of both residential and commercial design.	Interdi Interna		
Search the catalog:	IDES 2110 - Interior Design Render (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.	Judaic Mather Militar Naval		
*spectrum	IDES 2411 - Commercial Lighting (3) (ART 3235). Comprehensive study of lighting sources and principles, color and applications, including circuiting, switching, dimming systems, task ambient lighting and industry resources.	Philoso Physic Politic Open I		

Zonal cavity method and point source calculations applied through lectures and studio

assignments. PREREQUISITE: ARCH 1112, IDES 1110, 2611 and 1 required math course or

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Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

permission of instructor. [C]

IDES 2441 - Interior Construc Design (3)

(ART 2235). 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, or permission of instructor.

#### IDES 2470 - Components of Interiors (3)

(ART 2236). Technical aspects of surface and structural materials of interior design in relation to building codes and public health, safety and welfare. PREREQUISITE: IDES 1120, or permission of instructor.

#### IDES 2611 - Comp Appl Int Des I (3)

(ART 2238). Introduction to use of microcomputer software in production of interior design drawings and documents; exploration of computer applications in design development and presentation. PREREQUISITE: IDES 1235.

#### IDES 2612 - Comp App Int Des II (3)

Advanced use of microcomputer software in production of interior design 3-D renderings. Competency with rendering programs to develop isometric, presentation, 3-D modeling, and solid modeling. PREREQUISITE: IDES 2611.

#### IDES 3211 - Arch/Int/Furniture I (3)

(ART 3103). Major trends through 18th century; exploring impact of technology and social changes.

#### IDES 3212 - Arch/Int/Furniture II (3)

#### IDES 3221 - Human Factors/IDES (3)

Overview of issues related to health and safety, ergonomics, anthropometrics, perception, sociobehavioral response, physically ability, "Universal Design", and theory. PREREQUISITE: IDES 2470, and 2441 or permission of instructor.

#### IDES 3430 - IDES Business Practices (3)

(ART 4239). 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 3460 - Sustainability in IDES (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 Dsgn Studio I (3)

(ART 3234). 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, 2411, 2110, or permission of instructor.

#### IDES 3712 - Interior Dsgn Studio II (3)

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

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German (GERM)

Greek (GREK)

Hebrew (HEBR)

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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)

(ART 3250). 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: IDES3422, AND 3711, or permission of instructor.

#### IDES 4430 - Interior Dsgn Internship (3)

(ART 4240). Supervised apprenticeship in interior design industry. Placement requires approval of Interior Design faculty. PREREQUISITE: IDES 3711 and permission of instructor.

#### IDES 4713 - Interior Dsgn Studio III (3)

(ART 4238). Further advanced studio assignments in commercial interior design studied through lectures and design projects. PREREQUISITE: IDES 3430, 3712 or permission of instructor.

#### IDES 4714 - IDES Thesis Studio IV (3)

(ART 4251). Addresses creative, professional, technical, and historical issues involved in problem chosen and defined by student. Culminates in formal presentation of unique solution to problem. PREREQUISITE: IDES 4713, 4910, or permission of instruction. [I]

#### IDES 4910 - IDES Thesis Stu IV Sem (1)

(ART 4250). Study and research in specific area of interior design resulting in program brief for ART 4251. PREREQUISITE: IDES 3712 and permission of instructor.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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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Health and Human Performance (EXSS)

Health and Sport Sciences(HMSE)

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Sport and Leisure Management (SLS)

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**Educational Services (EDSV)** 

Elementary Education (ELED)

Instruction and Curriculum Leadership (ICL)

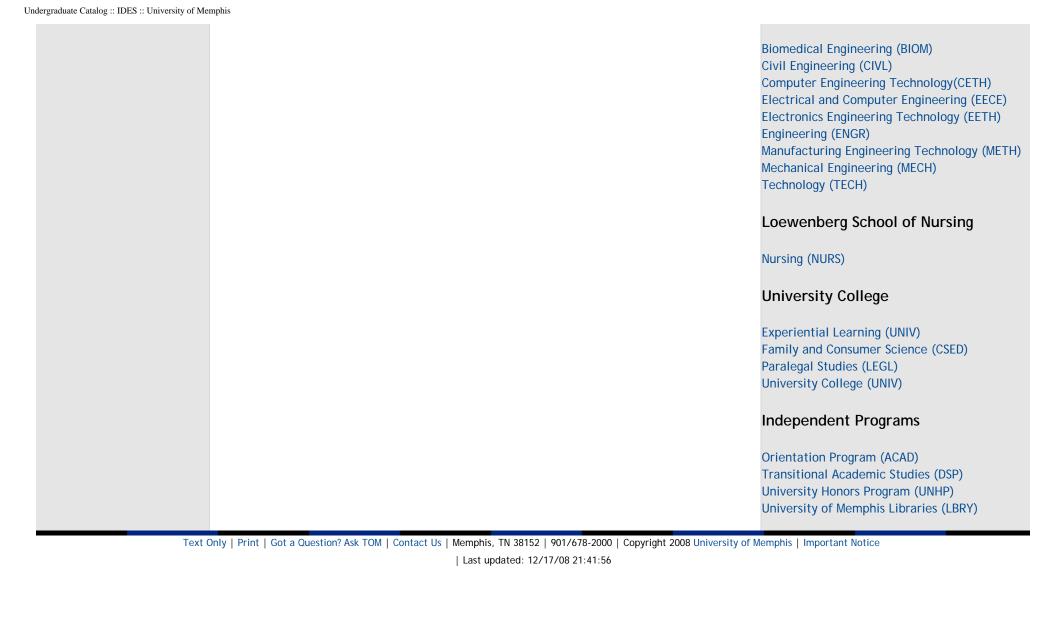
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#### (JOUR) JOURNALISM

M. David Arant, Ph.D., Chair Room 300, Edward J. Meeman Journalism Building http://ccfa.memphis.edu/journalism.htm

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.

#### 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 headline writing, editing, and newspaper makeup and study of contemporary editing problems. PREREQUISITE: JOUR 2121.

#### JOUR 3120 - Reporting (3)

Gathering news of university community with laboratory writing assignments. PREREQUISITE: for Open Learning Fire Services Program (PADM) Newspaper/ Magazine students, JOUR 2121 and 2123; all other students, JOUR 2121. [W]

## JOUR 3130 - Feature Write/Newspr/Mag (3)

Advanced practice in writing, publishing feature stories for magazines and newspapers; finding and developing publishable ideas; freelance techniques; advanced reporting skills; writing

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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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

techniques with emphasis on leads, endings, description, effective use of anecdotes and quotations; critiques of student work. PREREQUISITE: for Newspaper/Magazine students, JOUR 2121, 2123, and 3120; all other students, 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 3410 - Public Relations Resrch (3)

Identifying, characterizing and evaluating stakeholder groups and alternative channels of communication; formal research procedures include sampling, instrument design, information gathering, data processing, analysis and reporting. [C]

#### 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. Two lectures hours, two laboratory hours per week. PREREQUISITE: JOUR 2121, JOUR 3400. [W].

#### JOUR 3500 - Survey Of Internet Jour (3)

Social, legal and ethical issues concerning online reporting; social impact online reporting on society; comparison of new medium and traditional mass media; analysis of online content; process of online production and development of production tools.

#### JOUR 3526 - Digital Imagery In Jour (3)

Story construction and reinforcement utilizing digital imaging elements including selection, editing, ethics, and story reinforcement in journalism publications including print, desk-top, and electronic media. One lecture hour, four laboratory hours per week. PREREQUISITE: JOUR 2121.

#### JOUR 3625 - Television News Writing (3)

Processing of news for radio and television; attention to present-day style used by electronic media. Two lecture hours, two laboratory hours per week. PREREQUISITE: JOUR 2121. [W]

#### 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 - Journalism Seminar (1)

Weekly presentation by media professionals on topics in their fields of journalistic expertise.

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

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Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)

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 Journalism (3)

Command of desktop publishing software; application of fundamental print design principles; development of print design projects such as fliers, brochures, ads, magazines and newsletters. One lecture hour, four laboratory hours per week.

#### JOUR 4120 - Reporting Public Issues (3)

Analyzing and writing news reports about government, courts, energy, economy, taxes, education, environment, medicine and science; emphasis on relationship between current issues Music Industry (MUID) and public's need to be informed; topics vital to large urban society. PREREQUISITE: JOUR 3120 or 3625. [W]

#### JOUR 4124 - Comptr Assistd 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. [W,C]

#### JOUR 4130 - Writing Internship (3)

Work in practical assignments at local media under supervision of qualified practitioners. NOTE: Students who have received credit for JOUR 4330, 4430 or 4630 may not receive credit for JOUR 4130. PREREQUISITE: permission of sequence coordinator. (S/U)

#### JOUR 4140 - Publicath Design/Prod (3)

Basic principles of design and production for newspapers and magazines; typography, story and page design, graphics; copy, images and infographics and presentation in clear, well-organized way; headlines, titles, subheads, captions, and other copy. PREREQUISITE: JOUR 3130 and 3526, or permission of instructor.

#### 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. [C]

#### 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 - Strat Advrtsng Campaign (3)

Development of creative strategy and its execution to include layouts, audio tapes, slide shows storyboards and sales promotion application. (Sp). PREREQUISITE: JOUR 3324, 4326, 4327, or permission of instructor. [W, I]

#### 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.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Music History, Literature, and Appreciation

(MUHL)

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Counseling, Educational Psychology and Research

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

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Health and Human Performance (EXSS)

Health and Sport Sciences(HMSE)

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Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

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NOTE: Students who have received credit for JOUR 4130, 4430 or 4630 may not receive credit for JOUR 4330. PREREQUISITE: permission of sequence coordinator. (S/U).

#### JOUR 4420 - Public Reltns Case Stdy (3)

(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 4430 - P R Internship (3)

Work experience as intern with public relations department or organization or on team project assigned by instructor; analysis of public relations plan and evaluation of results. NOTE: Students who have received credit for JOUR 4130, 4330 or 4630 may not receive credit for JOUR 4430. PREREQUISITE: JOUR 3400, 3410, and 3421, and permission of instructor. (S/U).

#### JOUR 4440 - Public Rel Campaigns (3)

Application of theory, research data, and problem-solving techniques in the development of comprehensive public relations strategies. PREREQUISITE: JOUR 3400, 3421, 3410, JOUR 4420 recommended, or permission of instructor. [I]

#### JOUR 4500 - Mass Media Web Mgmt I (3)

Creation and development of journalism/mass media web sites; incorporation of target audience analysis and web usability; application of information products' conceptualization and layout. http://ccfa.memphis.edu/journalism.htm

#### JOUR 4550 - Mass Media Web Mgmt II (3)

Creation and development of journalism/mass media web sites; focus on web multimedia animation and interface design; command of Flash techniques. PREREQUISITE: JOUR 4500.

#### JOUR 4560 - Online Jour Presentatn (3)

Cooperative development of large-scale mass media web site projects; creation of original mass medial content, including stories, pictures, audio and video; involvement in the entire process of online news and information creation and presentation. PREREQUISITE: JOUR 4500, 4550.

#### JOUR 4629 - TV News Reporting (4)

Gathering and writing of news for all electronic media (radio, TV, cable); emphasis on fundamentals of reporting and audio-video electronic news gathering. PREREQUISITE: JOUR 3120, 3625, COMM 3801, or permission of instructor.

#### JOUR 4630 - Broadcast News Intern (3)

Work in practical assignments at local broadcast media under supervision of qualified practitioners. NOTE: Students who have received credit for JOUR 4130, 4330 or 4430 may not receive credit for JOUR 4630. PREREQUISITE: permission of sequence coordinator. (S/U)

## JOUR 4639 - TV News Producing (4)

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, 3625, COMM 3801, or permission of instructor. [C]

### JOUR 4649 - TV News Practicum (1-3)

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

Applied skills in producing, writing, reporting, voicing daily news and information programming for a television newscast. May be repeated for a maximum of 6 credit hours. PREREQUISITE: JOUR 3625 and 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 - Current Issues Jour (3)

Advanced study of recent, critical problems faced by mass media with exploration of complexities that cause them. [I]

#### 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. [I]

#### JOUR 4712 - Mass Media & 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. [I]

#### JOUR 4716 - History Mass Communictn (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. [I]

#### 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 Mass Comm (3)

Developing command of computer software in graphic design and multimedia editing by creating a CD or DVD to convey information appropriate for journalism/mass media organizations. PREREQUISITE: JOUR 3900, or permission of instructor.

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Theatre









(THEA) THEATRE

Department of Theatre and Dance Robert A. Hetherington, M.A., Chair Room 143, Theatre and Communication Building https://umdrive.memphis.edu/g-theatre/www/

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)

(1551). 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 1411 - Basic Oral Interptatn (3)

Introduction to interpretation of literature in performance; develop and heighten performer's responsiveness to the literary text.

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Earth Sciences (ESCI)

English (ENGL)

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Mathematics (MATH)

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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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

## 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. [G]

#### THEA 2511 - Intro Thea 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 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 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. 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. (Offered alternate years)

## 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)

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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## 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)

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 Perform (2)

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)

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 3607 - Make-Up Production Lab (1)

THEA 3608 - Dance Production Lab (1)

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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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Early Childhood Education (ECED)

**Educational Services (EDSV)** 

Elementary Education (ELED)

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Leadership (LEAD)

Reading (RDNG)

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## Herff College of Engineering

#### THEA 3609 - Stage Management (1)

May be repeated for a maximum of 3 hours credit with permission of instructor.

#### THEA 4220 - Acting/Musical Theatre (3)

Exploration of techniques that allow the performer to fuse the act of acting and singing. 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. 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 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. PREREQUISITE: prospective students must audition for and be cast in the Memphis Moving Line Company.

#### THEA 4455 - Directng Narrative Thea (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 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. 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.

## THEA 4514 - Theatre Renderng Technques (3)

Materials and techniques for rendering theatrical space and scenic, costume, lighting, and properties design elements.

## 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)

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
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Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
University College (UNIV)

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

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 Stage Direct (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. 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)

Supervised work in actual university, community, or professional theatre productions on internship basis. Credit varies with amount of time and responsibility involved. May be repeated for a maximum of 12 hours credit. PREREQUISITE: permission of Director of Theatre.

#### THEA 4548 - Musical Theatre History (3)

Survey of history, art and craft of American musical.

#### 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. [W]

#### 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. (Offered alternate years) PREREQUISITE: major or minor in Department of Theatre and Dance. [W,I]

#### 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. (Offered alternate years) [C]

#### THEA 4592 - Theatre Arch/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, concentrating on dramatic, commercial and documentary areas. (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.

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# **Undergraduate Catalog**

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Site People

Campus Directory	Applied Music	
Calendar 2008 - 2009	(MUAP) APPLIED MUSIC	Course Descriptions
Degree Program and	Rudi E. Scheidt School of Music	
Planning	Randal Rushing, M.M.E., Interim Director Room 123B, Music Building	College of Arts and Sciences
Description of the	http://music.memphis.edu	
University		Aerospace Studies (AERO)
	Applied music courses are divided into two broad categories: (1) small group or individual	African and African American Studies (AAAS)
Services to Students	lessons in vocal or instrumental performance and (2) musical ensembles.	Anthropology (ANTH) Biology (BIOL)
Expenses		Chemistry (CHEM)
Academic Regulations	Individual lessons, vocal or instrumental performance are offered as INTRODUCTORY	Computer Science (COMP)
Graduation from the	INSTRUCTION, LOWER DIVISION, AND UPPER DIVISION applied music (see explanation below).	Criminology and Criminal Justice (CJUS)
University	Individual lessons in vocal or instrumental performance are given by university faculty who are members of the relevant Applied Music Division.	Earth Sciences (ESCI)
	members of the relevant Applied Music Division.	English (ENGL)
Colleges and Degree	All students who wish to enroll in applied vocal or instrumental performance must perform an	Health Administration (HADM)
Programs	audition for the members of the appropriate Applied Music Division or for a designate of the	History (HIST)
Course Descriptions	appropriate division. Because the number of students who can be accepted is limited, it is	Interdisciplinary Studies (INTD)
Faculty and Staff	advisable that the student audition as early as possible to be assured a place with the requested	International Studies (INTL) Judaic Studies (JDST)
	teacher. Practice facilities are provided without charge, but there are additional fees for the	Mathematics (MATH)
Catalog Archive and	individual lessons (see the explanation below under FEES), and a fee is required for certain practice room keys.	Military Science (ARMY)
University Links	practice room keys.	Naval Science (NAVY)
Class Offerings	Examinations for courses in which the student is to receive credit for applied music in vocal or	Philosophy (PHIL)
	instrumental performance are called Board Exams. For Board Exams, each student performs	Physics (PHYS)
	musical selections and/or technical exercises of a grade of difficulty appropriate to the level of	Political Science (POLS)
Search the catalog:	instruction in which the student is enrolled. The board hearing the exam is made up of the	Open Learning Fire Services Program (PADM)
J	below under EXAMINATIONS).	Public and Nonprofit Administration (PADM)
		Psychology (PSYC)
	Maria analam at the University of Manuality and analysis of a continuous to the Colored of Maria	Social Work (SWRK) Sociology (SOCI)
N.	Music majors at the University of Memphis are expected to participate in School of Music ensembles; each degree program has specific or general ensemble requirements (see above	Statistics (MATH)
	under the various degree requirements). Non-music majors enrolled at the University of	Women's Studies (WMST)
	Memphis as degree-seeking students may audition and, if accepted, enroll for applied	The manufacture (Time 1)
	instruction where staff time is available. If accepted at the Lower Division or Upper Division	Foreign Languages and Literatures
	level for applied instruction, non-music majors must simultaneously enroll and participate in an	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
	ensemble sponsored by the School of Music.	Arabic (ARAB)
		Chinese (CHIN)
	Any student enrolled at the University of Memphis may audition for applied jazz lessons as space	Classics (CLAS)

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 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.

	Introductory Instruction	<u>Lower</u> <u>Division</u>	<u>Upper</u> <u>Division</u>
<u>Instrument</u>	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

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)

**Decision Sciences (ISDS)** 

**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)

Jazz and Studio Ensembles (MUAP)

Music Appreciation (MUS)

Music Education (MUSE)

Sackbut	1160	1161	4161-6161
Piano	1310	1311	4311-6311
Harpsichord	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

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

## College of Education

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)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)

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 during the pre-college counseling, advising and registration periods before each semester. Auditions may be scheduled in the Music Office, Room 123, Music Building. Any inquiries concerning credits or course numbers should be directed to the director of the School of Music.

CREDITS AND GRADES: Students may register for one or two hours credit per semester and will be assigned to individual lessons, a master class, or a combination of the two, commensurate with their level of performance. Additional credit may be earned at the lower division and upper division level. Students earning more than two credits per semester will be assigned additional practice and will be expected to perform at a higher level than those students registered for fewer credits. Grades are awarded on the same basis and have the same significance as in other subjects.

REPETITION OF COURSES: MUAP courses in individual lessons and major group instruction, 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 four hours credit in any one area of major group instruction. The fee for major group instruction will be the same as for one half-hour lesson per week: \$50 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

Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

advised to register for major group 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 and the Sacred Music 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.

#### LARGE MUSICAL ORGANIZATIONS

All music students must take a minimum of eight (8) semesters of ensemble. The exact number of large ensembles and other (or small) ensembles is determined by each division and major concentration. In addition, the designations of which ensembles will satisfy large ensemble requirements are determined by each division. 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 rectifying the situation. Ensemble assignments are based on audition and may be repeated. Any exception to this general ensemble assignment policy may be made after a review of petitions by the director, the appropriate ensemble director, and the applied studio teacher.

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. [G]

#### 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 2107 - Class Instr Piano III (1)

Simpler Bach chorales, more difficult songs and accompaniments, appropriate to the student's major field; memorization optional. PREREQUISITE: MUAP 1105; MUTC 1009, 1011.

#### MUAP 2108 - Class Instruct Piano IV (1)

Piano repertoire and technique, accompaniments, harmonization, transposition, and sight trading to satisfy the core requirements of the piano proficiency exam. Requirements vary according the student's concentration area and the degree emphasis. PREREQUISITE: MUAP 2107; MUTC 1009, 1011. (T grade allowed).

#### MUAP 2201 - Tech Woodwind Instru (1)

Introduction to historical woodwind instruments; historical playing techniques for both historical and modern instruments.

#### MUAP 3004 - Wind Ensemb (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 Instrumntl Jazz Ens (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 Ensembl (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 - Rec Studio Instr Ensmbl (1)

Ensemble performs and records works written by students in the Commercial Music program. This course will meet large ensemble requirements for Music Industry majors only.

#### MUAP 3015 - Rec Studio Vocal Ensmbl (1)

Ensemble performs and records works written by students in the Commercial Music 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.

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Jazz and Studio Ensembles

JAZZ AND STUDIO ENSEMBLES

Rudi E. Scheidt School of Music Randal Rushing, M.M.E., Interim Director Room 123B, Music Building http://music.memphis.edu

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. [G]

MUAP 2003 - University Band (1)

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

Statistics (MATH)

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.

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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.

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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.

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Choral ensemble for opera productions with exploration of related stage techniques. Extra rehearsals at discretion of conductor. Audition required.

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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 Instrumntl Jazz Ens (1)

Study and performance of varied jazz styles, including repertory from standard big band

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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Spanish (SPAN)

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# College of Communication and Fine Arts

Architecture (ARCH)

Art (ART)

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Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)

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 Ensembl (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 - Rec Studio Instr Ensmbl (1)

Ensemble performs and records works written by students in the Commercial Music program. This course will meet large ensemble requirements for Music Industry majors only.

#### MUAP 3015 - Rec Studio Vocal Ensmbl (1)

Ensemble performs and records works written by students in the Commercial Music 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 - Contemp Cham 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,

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#### **Health and Sport Sciences**

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## Herff College of Engineering

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 3601 - Chamber Choir (1)

Vocal ensemble specializing in choral music from the Renaissance to the present. Open to music University College (UNIV) 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 Ensmbl Tech (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.

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

Experiential Learning (UNIV)
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## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY)

## MUAP 4263 - Reed Making (1)

Topics are varied and in the online class listings.

## MUAP 4801 - Indiv Stdy Appld 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 Prf (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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Music Appreciation

(MUS) MUSIC APPRECIATION
Rudi E. Scheidt School of Music

Patricia Hoy, D.M.A., Director Room 123B, Music Building

http://music.memphis.edu

MUS 1030 - Music Appreciation (3)

(MUHL 1101). 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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African and African American Studies (AAAS)

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Chemistry (CHEM)

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Earth Sciences (ESCI)

English (ENGL)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

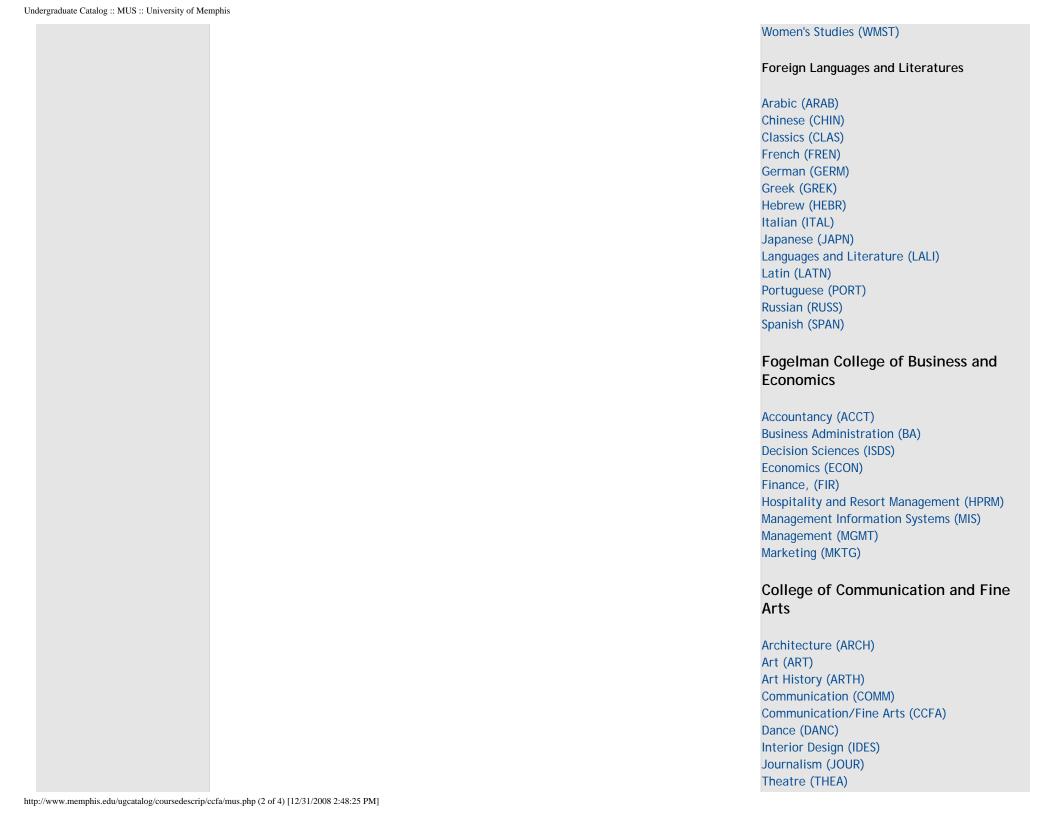
Open Learning Fire Services Program (PADM)

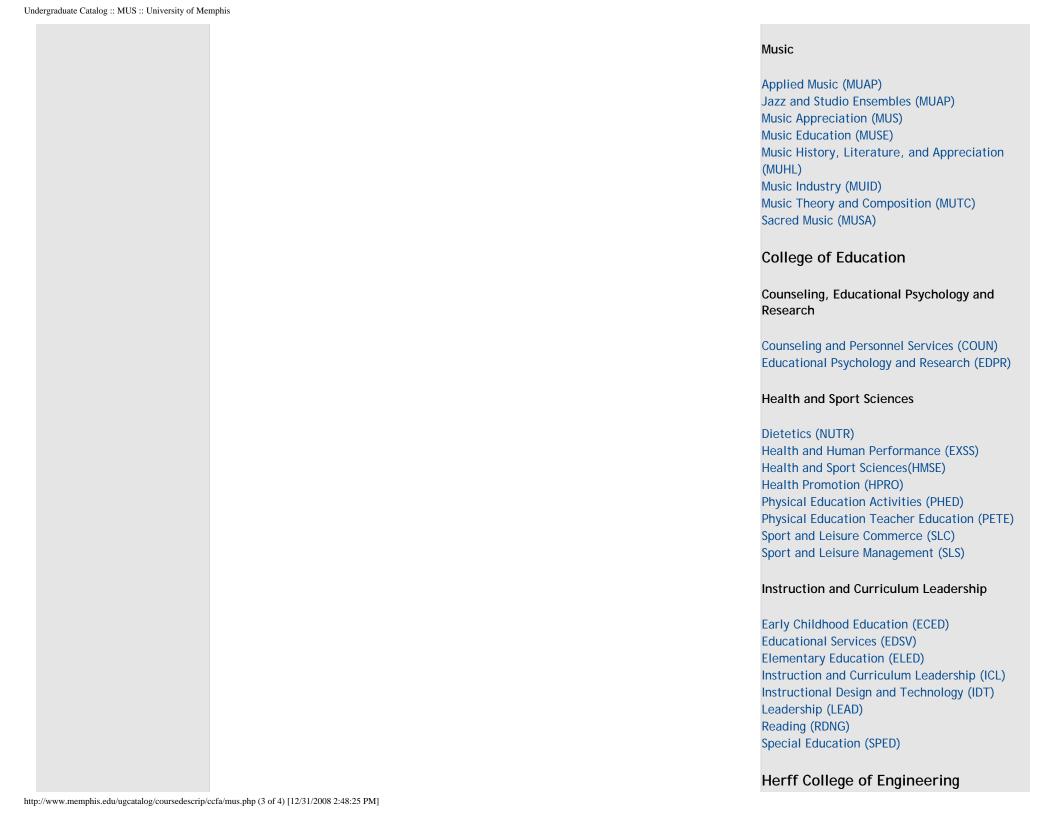
Public and Nonprofit Administration (PADM)

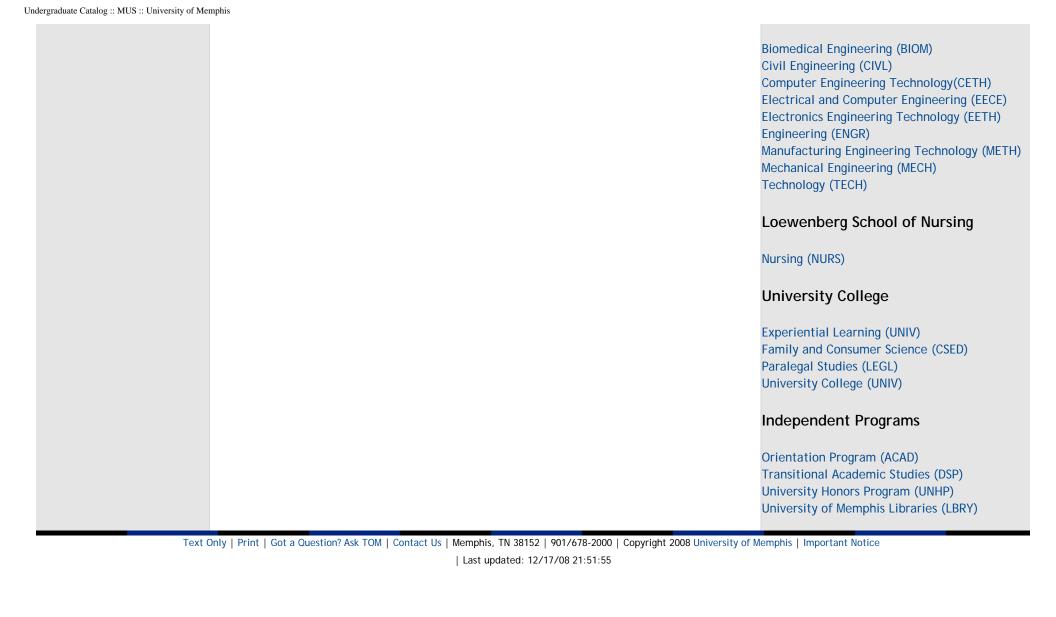
Psychology (PSYC)

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Music Education

## (MUSE) MUSIC EDUCATION

Rudi E. Scheidt School of Music Randal Rushing, M.M.E., Interim Director Room 123B, Music Building http://music.memphis.edu

FIELDS OF ENDORSEMENT FOR TEACHING: For students in the School Music Concentration of the Bachelor of Music in Music degree, endorsement may be obtained in Instrumental Music and in Vocal Music. Normally, a student can expect to be recommended in only one of these areas. Vocal Music applicants should be able to play piano accompaniments of moderate difficulty, should possess an adequate solo voice for school music purposes, and should schedule a variety of large choral ensembles. Instrumental Music applicants should study one instrument of major emphasis and participate in large instrumental ensembles. Students in either area may satisfactorily meet piano and voice requirements with completion of MUSE 2108 and MUSE 1113 and their prerequisites. A graduation 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)

## **Course Descriptions**

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Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

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## 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 Teach (1)

Basic guitar technique, chording and folk style accompaniments; prepares students for effective teaching in general music classes.

## MUSE 2002 - Foundations Music Ed (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 - Funct Keyboard Skills (1)

Functional keyboard harmony and sight reading skills designed for keyboard majors. PREREQUISITE: MUTC 1009, 1011.

## 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 3008.

## MUSE 4201 - Ind 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)

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)

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## College of Communication and Fine Arts

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Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)

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. Music Theory and Composition (MUTC) 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 - Mat/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 - Mat/Mth 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 artistteachers 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.

#### MUSE 4506 - Suzuki String Pedag I (3)

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Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

## Herff College of Engineering

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 Pedag II (3)

Literature and technique taught in Suzuki Violin School; fundamental technique, development of Technology (TECH) 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 Pedag 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 University College 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) PREREQUISITE: upper division level in keyboard or permission of instructor.

## MUSE 4513 - Suzuki String Pedag 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 - Inst Conducting (3)

Various problems encountered in preparation and conducting of instrumental scores; individual

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## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY) practice with opportunity for each student to conduct instrumental groups. Three class hours per week. PREREQUISITE: MUSE 2002, 3700.

## MUSE 4701 - Choral Conducting (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.

## 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 education; emphasis on addressing concerns and questions arising in student teaching settings. PREREQUISITE: MUSE 2002. COREQUISITE: MUSE 4911.

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## (MUHL) MUSIC HISTORY, LITERATURE

Rudi E. Scheidt School of Music Randal Rushing, M.M.E., Interim Director Room 123B, Music Building http://music.memphis.edu

In addition to the courses below, the department may offer the following Special Topics courses: MUHL 4260-69. Special Topics in Music History. (1-3). Topics are varied and announced in the online class listings.

## Faculty and Staff MUHL 3301 - Hist Of Music To 1700 (3)

Development of significant musical styles; attention to individual contribution of major composers. PREREQUISITE: MUTC 2008 or permission of instructor. (F) [W]

## Class Offerings MUHL 3302 - Hist Music Since 1700 (3)

Continuation of MUHL 3301. PREREQUISITE: MUTC 2008 or permission of instructor. (SP). [W]

## MUHL 3303 - Western Music History (3)

Study of major style periods in Western Music History for the non-performance student of music. [W]

## MUHL 3304 - Music History Review (3)

Review of genres, repertories, 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)

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MUHL 4002 - Song Repertory I (2)

Survey of solo literature from the Italian, British Isles, and German Schools of song.

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Earth Sciences (ESCI)

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Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

willtary science (AKWI)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

## MUHL 4003 - Song Repertory II (2)

Survey of solo literature from the French, Scandinavian, and American Schools of song.

## MUHL 4005 - Histry/Literature 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 Literatue I (3)

Survey of choral repertories 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 repertories from 1700 to present; contemporary performance practices; problems of modern performance.

## MUHL 4011 - String Quart Literature (3)

History of string of quartet; survey of its music from Haydn to present; problems of performance.

## MUHL 4012 - Hist Chmb Mus/Wind Inst (3)

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 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 - Amer 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.

Women's Studies (WMST)

## Foreign Languages and Literatures

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Chinese (CHIN)

Classics (CLAS)

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Journalism (JOUR)

Theatre (THEA)

## MUHL 4022 - Early Chamber Music (3)

Study of repertories 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 cataloguing of standard reference materials; research practices and ethics. Preparation of the Senior Project prospectus.

## MUHL 4406 - 20th Century Music (3)

Advanced study of music in its historical context from 1900 to the present.

## MUHL 4407 - Opera & Music Drama (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 - Amercn Folk/Poplr 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 Stdy Music Hist (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)

## MUHL 4805 - History Of Rock & 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 Herff College of Engineering

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

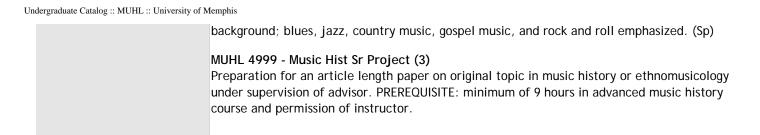
Instruction and Curriculum Leadership (ICL)

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Reading (RDNG)

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Biomedical Engineering (BIOM)
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Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

Experiential Learning (UNIV)
Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
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## **Independent Programs**

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Music Industry









(MUID) MUSIC INDUSTRY

Rudi E. Scheidt School of Music
Randal Rushing, M.M.E., Interim Director
Room 123 Music Building
http://music.memphis.edu

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)

(CMUS). 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 1012.

## MUID 2201 - Intro To Music Industry (2)

(CMUS). 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/Prd Tech (3)

(CMUS). 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;

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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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

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 Cmus (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 3602 - Record Indstry Contract (3)

(CMUS). Extensive review of variety of major and ancillary recording industry agreements from perspective of songwriter or musician seeking to obtain management, production, publishing, or record deal; analysis, negotiation, and drafting of deal-memos and short-term contracts. PREREQUISITE: MUID 2201, 4603, FIR 3011, junior standing, and permission of instructor.

## MUID 3800 - Recording Studio Tech (4)

(CMUS). 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)

(CMUS). 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.

#### MUID 3802 - Audio Rcrd/Non Tech Maj (3)

(CMUS). 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. Course fee \$50.

## 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. Course fee \$50.

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)

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## Fogelman College of Business and Economics

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Marketing (MKTG)

## College of Communication and Fine Arts

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Communication (COMM)

Communication/Fine Arts (CCFA)

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Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)

## 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. Course fee \$50.

## MUID 3905 - Digital Audio Workstns (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. Course fee \$50.

## MUID 4201 - Studies Commercial Mus (1-3)

(CMUS). Class or supervised individual study of special problems in Commercial Music. May be repeated when course content varies.

## MUID 4603 - Copyright/Music Publish (3)

(CMUS). Copyright and other laws, rules, and industry customs that govern the creation and ownership of musical composition and sound recording; description and analysis of the role of publishing companies and performing rights societies in the exploitation of commercial music and tracking, collection, accounting and payment of royalties. PREREQUISITE: MUID 2201, junior standing, and permission of instructor.

## MUID 4800 - Basic Recording (4)

(CMUS). 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 - Prblms Commercial Music (1-3)

(CMUS). 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 (4)

(CMUS). 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.

## MUID 4803 - Adv Mix/Master Audio (4)

(CMUS). 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 - Concrt Sound Reinfrcmnt (3)

(CMUS). Basic equipment and production techniques for providing live sound services; methods for handling various sized groups in diverse locations. PREREQUISITE: MUID 4800 and permission

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Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

## Herff College of Engineering

of instructor.

## MUID 4810 - Audio Productn Practicm (1-3)

(CMUS). 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 Maintence Practm (1-3)

(CMUS). 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)

(CMUS). 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 - IntrntionI Musc Buinss (3)

(CMUS). 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, 3602, 4603, senior standing and permission of instructor.

## MUID 4830 - Trends Busn Prct/Tech (3)

(CMUS). 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, 3602, 4603, junior standing and permission of instructor.

## MUID 4840 - Entreprnship Comm Music (3)

(CMUS). 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 Opertns (4)

(CMUS). Students participate in actual administration and operation of the University of Memphis record label. 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, 3602, 4603, junior standing, and permission of instructor.

## MUID 4898 - Sr Proj Mus Bus/Rc Tech (4)

(CMUS). 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. [I]

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Civil Engineering (CIVL)
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Electrical and Computer Engineering (EECE)
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Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

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## MUID 4899 - Internship (1-3)

(CMUS). 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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Music Theory and Composition

(MUTC) MUSIC THEORY AND COMPOSITION

Rudi E. Scheidt School of Music
Randal Rushing, M.M.E., Interim Director
Room 123B, Music Building
http://music.memphis.edu

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)

Basic notation, scales, intervals, triads, key signatures; analysis and exploration of technical material and written exercises in historical areas of plain chant through late 16th century. PREREQUISITE: Theory placement exam. COREQUISITE: MUTC 1010.

MUTC 1009 - Music Theory II (3)

Four part structures, all seventh chords, chorale harmonization figured bass realization; analysis and written exercises from historical area of early 17th century through J. S. Bach. PREREQUISITE: MUTC 1008, 1010. COREQUISITE: MUTC 1011.

MUTC 1010 - Aural Theory I (1)

Beginning ear training; scales, intervals, triads, simple melodic lines and simple two part

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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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

examples, sight singing of combination of tonal and modal materials. PREREQUISITE: Theory placement exam. COREQUISITE: MUTC 1008. (S/U)

## MUTC 1011 - Aural Theory II (1)

Ear training involving triads in sequence, two part examples, modulator melodies; sight singing of 17th and 18th century melodic examples. PREREQUISITE: MUTC 1010, 1008. COREQUISITE: MUTC 1009. (S/U).

## MUTC 1012 - Musicianship I (3)

Fundamentals of music theory, including notation, pitch, rhythm, meter, scales, modes, intervals, melodic structure, basic forms and improvisation; aural skills including melodic sight singing, melodic, intervallic, and rhythmic dictation, simple two-part structures.

## MUTC 1013 - Musicianship II (3)

Functional harmony, triadic inversion, seventh chords, cadence, voice leading; analytic procedures from common practice and popular repertoires; aural skills include all material in Musicianship I, plus functional harmonic progressions. PREREQUISITE: MUTC 1012.

## MUTC 2008 - Music Theory III (3)

Continuation of four part structure, part writing and figured bass; expanded harmonic materials from ninth chords through chordal mutation; formal and chordal analysis from Bach through mid-19th century. PREREQUISITE: MUTC 1009, 1011. COREQUISITE: MUTC 2010.

## MUTC 2010 - Aural Theory III (1)

Ear training involving expanded harmonic materials, modulatory melodies, two part examples with modulation; sight singing of 18th and 19th century melodic examples. PREREQUISITE: MUTC Accountancy (ACCT) 1011, 1009. COREQUISITE: MUTC 2008. (S/U)

## MUTC 2012 - Musicianship III (3)

Advanced functional harmony, secondary function, modulation, altered chords, chromatic chords, Neapolitan sixth, augmented sixth, mixture; aural skills include all material in Musicianship I and II, plus advanced functional harmonic progressions. PREREQUISITE: MUTC 1013.

## MUTC 2013 - Musicianship IV (3)

Expanded tonality, modal impressionist and jazz harmony, extended chords (11th and 13th), tonality in popular idioms, bitonality, polytonality, non-triadic chord constructions; overview of 20th century compositional techniques, basic orchestration; electronic compositional procedures. PREREQUISITE: MUTC 2012.

#### MUTC 2103 - Theory Jaz/Pop/Comrcl I (3)

(CMUS 2101). 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, 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

Women's Studies (WMST)

## Foreign Languages and Literatures

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Chinese (CHIN)

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Greek (GREK)

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Italian (ITAL)

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## Fogelman College of Business and **Economics**

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## College of Communication and Fine Arts

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Communication (COMM)

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Journalism (JOUR)

Theatre (THEA)

the equivalent of one half-hour lesson per week. Fee for this instruction is \$50 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 \$100 per semester.

## MUTC 2503 - Comp/Arrang Jazz/Com I (2)

(CMUS 2501). 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.

## MUTC 2504 - Comp/Arrang Jazz/Com II (2)

(CMUS 2502). 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.

## MUTC 2511 - Intro Electronic Musc (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: \$50.

## MUTC 3008 - Music Theory IV (3)

Continuation of late 19th century harmonic structures; introduction of popular music and its notational symbols; introduction and use of 20th century techniques analysis and written examples from 20th century. PREREQUISITE: MUTC 2008, 2010. COREQUISITE: MUTC 3009. [C]

## MUTC 3009 - Aural Theory IV (1)

Ear training involving expanded 19th century harmonic considerations, 20th century chromaticism and pandiatonicism, two part examples from both 19th and 20th centuries; sight singing emphasizing melodies of 20th century. PREREQUISITE: MUTC 2010, 2008. COREQUISITE: MUTC 3008. (S/U)

## 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) [W]

#### MUTC 3109 - Adv Musical Anlys II (3)

Advanced theoretical analysis of large-scale compositions from late Classic period through very

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## Herff College of Engineering

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. (S-odd years)

## MUTC 3201 - Jazz Arrange/Orchestra (3)

(CMUS). 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/Jaz/Com III (2)

(CMUS). 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 \$100.00 per semester. PREREQUISITE: MUTC 2504, or permission of instructor.

## MUTC 3825 - Matrl/Tech Improv I (3)

(CMUS). 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 - Matrl/Tech Improv II (3)

(CMUS). 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 - Matrl/Tech Improv III (3)

(CMUS). 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 - Comp Procsses 20th Cent (3)

(4101). Analysis and imitative writing of major composers of the twentieth century, from Debussy through the present. (S-even years)

## MUTC 4202 - Sem Music Theory/Analy (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 - In Stdy Music Thry/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. (S-odd years)

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

## 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 \$100 per semester. PREREQUISITE: recommendation of upper division examining committee.

## MUTC 4502 - Comp For Non-Comp Maj (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 \$50 per semester. PREREQUISITE: MUTC 3008.

## MUTC 4503 - Comp/Arrang Jaz/Com IV (3)

(CMUS 4501). 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 \$100.00 per semester. PREREQUISITE: MUTC 3501, or permission of instructor.

## MUTC 4504 - Intro Film/Video Score (3)

(CMUS 4502). 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 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 - Intrmdt Electronic Musc (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: \$100. 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: \$100. PREREQUISITE: MUTC 4511.

## MUTC 4599 - 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. [I]

## MUTC 4896 - Sr Prj Jazz/Studio C/A (4)

(CMUS). 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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**∜** spectr**um** 

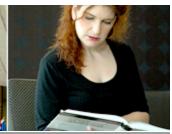


Sacred Music









(MUSA) SACRED MUSIC

Rudi E. Scheidt School of Music Randal Rushing, M.M.E., Interim Director Room 123B, Music Building http://music.memphis.edu

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 Mus Hist/Prac 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 Mus Hist/Prac II (3)

(SP - alternate years) PREREQUISITE: MUTC 2008.

MUSA 4801 - Indiv Stdy 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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Earth Sciences (ESCI)

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Naval Science (NAVY)

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Physics (PHYS)

Political Science (POLS)

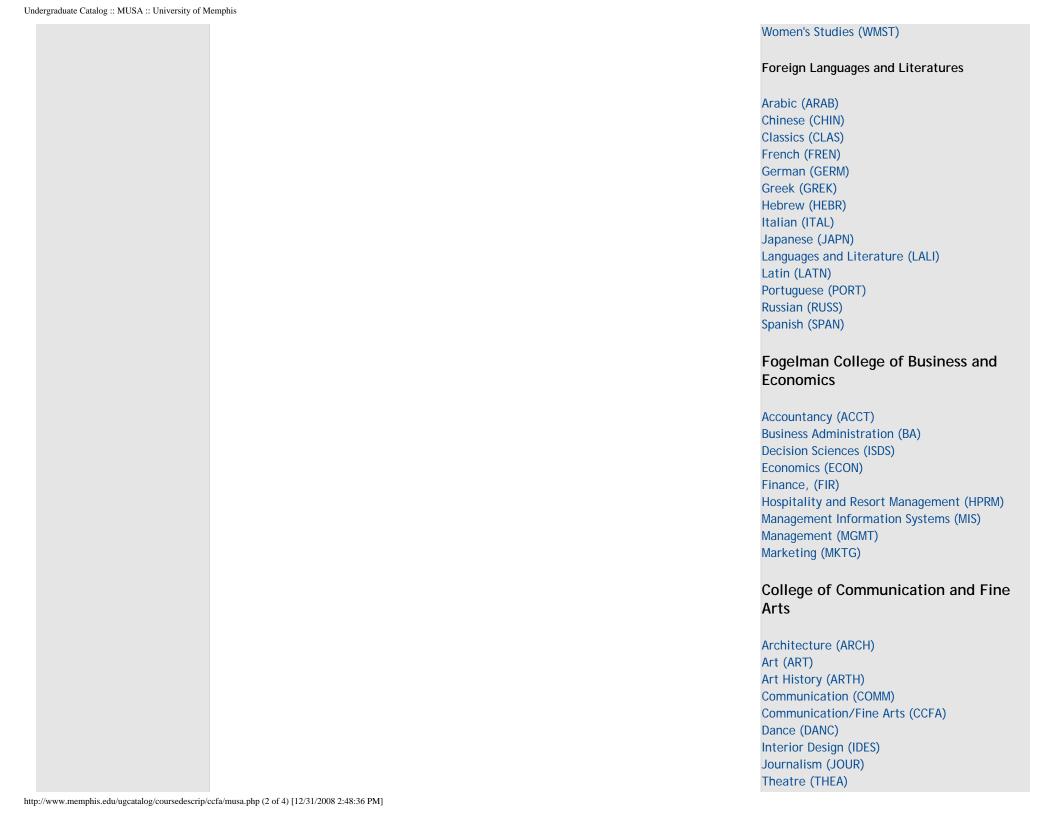
Open Learning Fire Services Program (PADM)

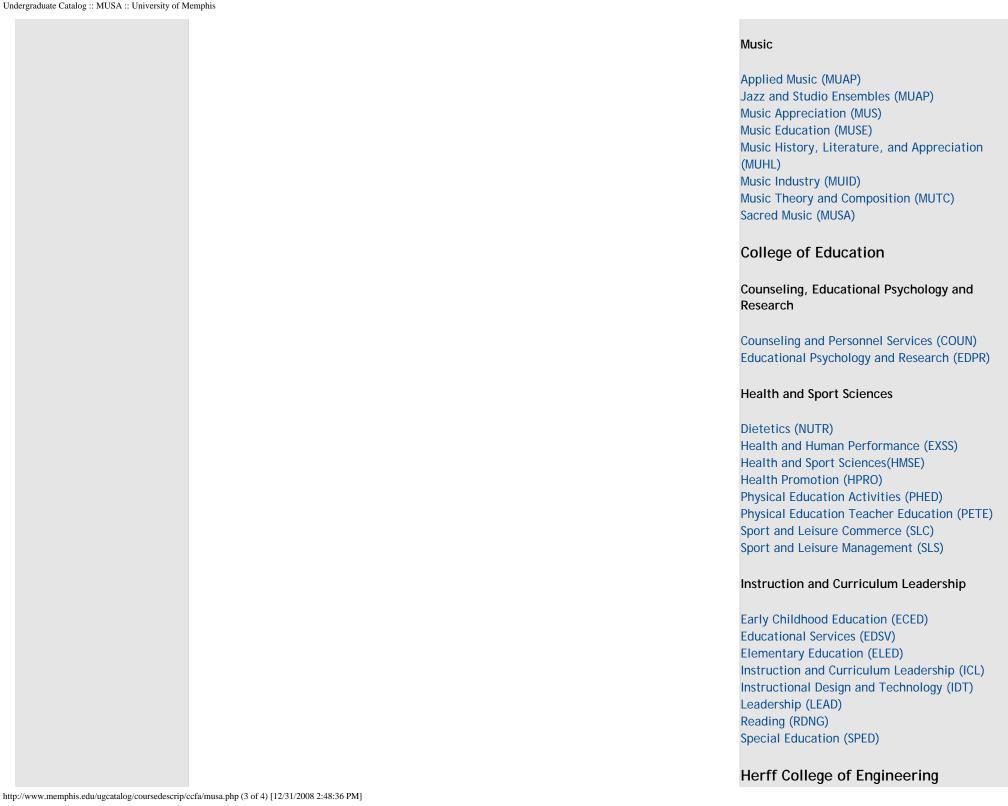
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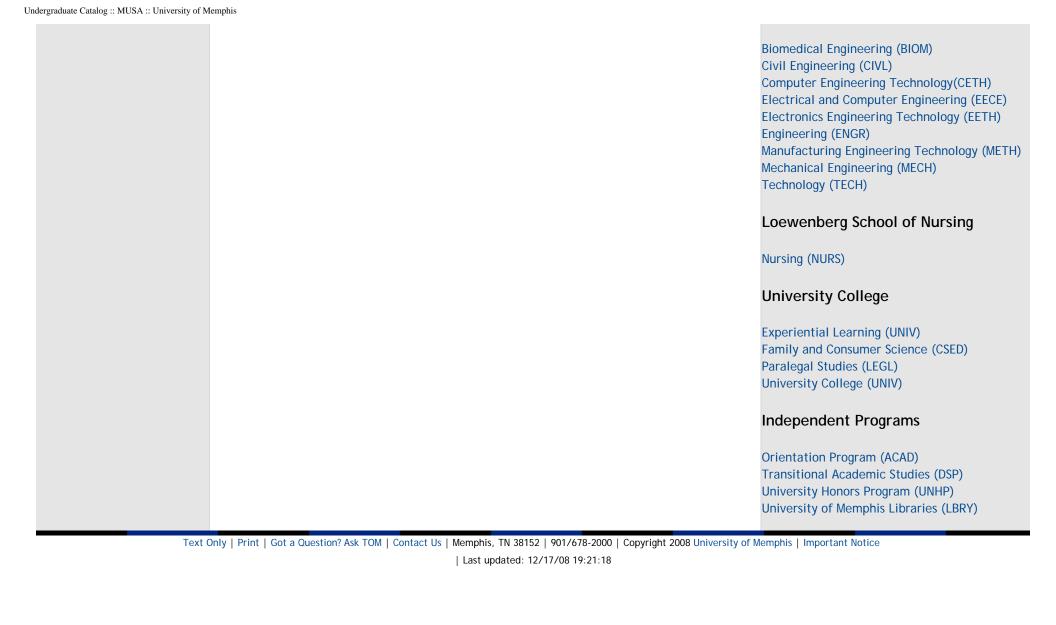
Psychology (PSYC)

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## Counseling and Personnel Services

## (COUN) COUNSELING AND PERSONNEL SERVICES

Department of Counseling, Educational Psychology and Research
Douglas Strohmer, Ph.D., Chair
Room 100, E.C. Ball Hall
http://coe.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.

## **Course Descriptions**

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Sociology (SOCI)

## COUN 4691 - Residence Hall Counsing (3)

Practical experience for residence hall staff. Instruction and supervision provided. Individual and group activities in counseling, advising, communication, and leadership; concerns such as drug abuse, family planning information, and student discipline. Utilizes interdepartmental disciplines.

## COUN 4781 - Stratg Cris Interv (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 Ser (3)

Survey of human services for treating alcoholics and substance abusers. Overview of treatment strategies and philosophies.

## COUN 4901 - Princ/Tech/Rehab Counsel (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 - Med/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/Occ 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.

## Women's Studies (WMST)

## Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

Greek (GREK)

Hobrany (HEDE

Hebrew (HEBR)

Italian (ITAL)

Japanese (JAPN)

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Russian (RUSS)

Spanish (SPAN)

## Fogelman College of Business and Economics

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**Economics (ECON)** 

Finance, (FIR)

Hospitality and Resort Management (HPRM)

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Management (MGMT)

Marketing (MKTG)

## College of Communication and Fine Arts

Architecture (ARCH)

Art (ART)

Art History (ARTH)

Communication (COMM)

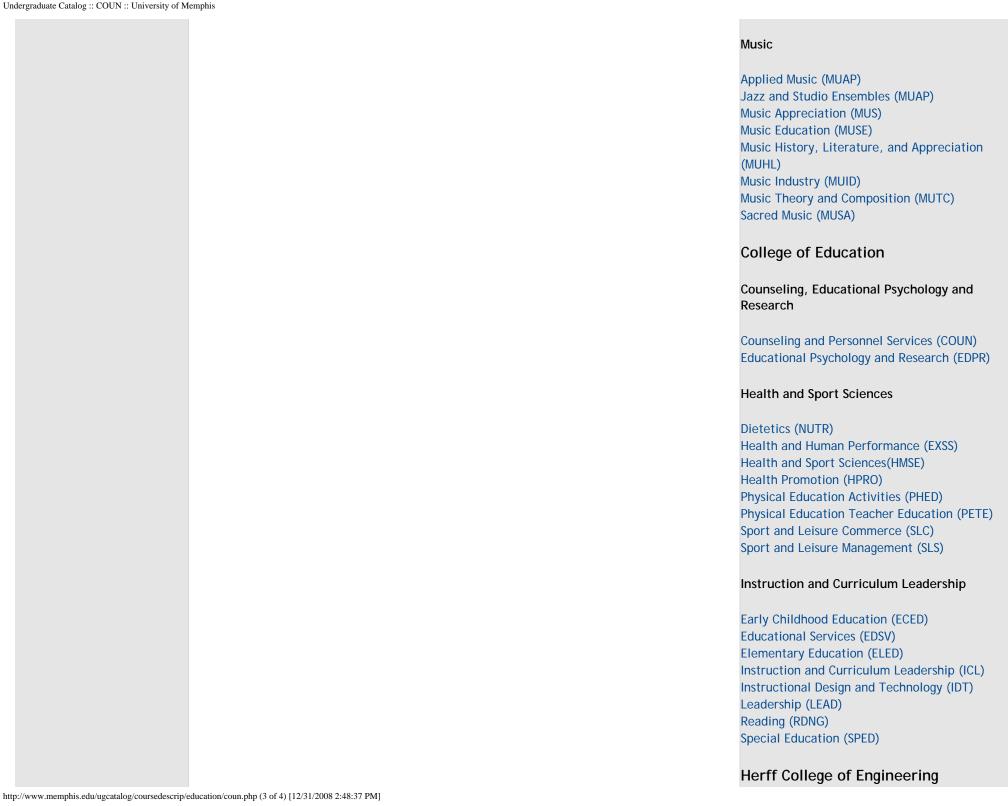
Communication/Fine Arts (CCFA)

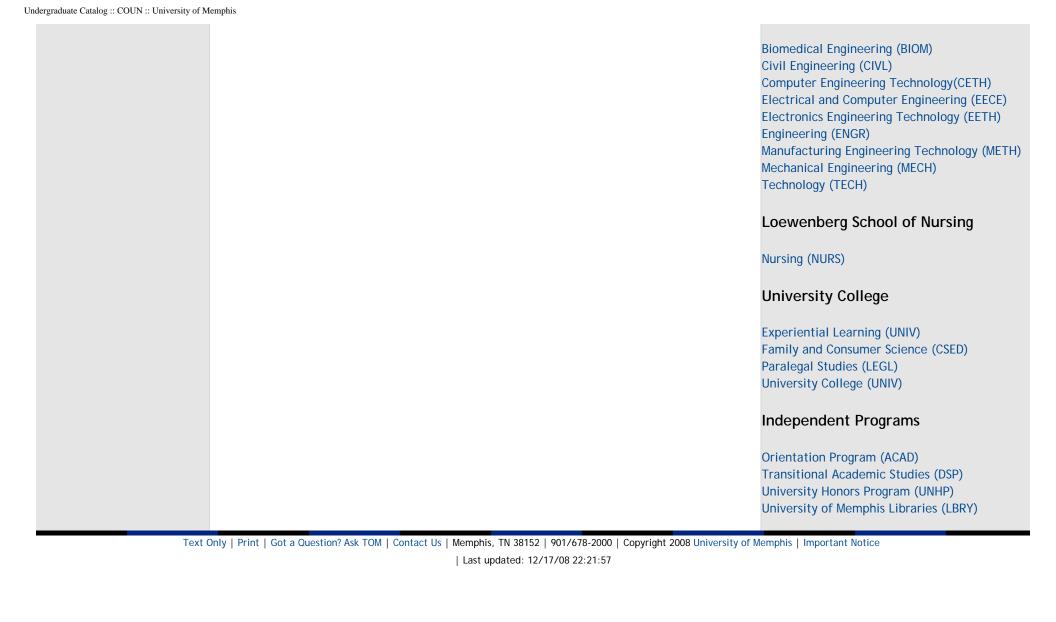
Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

Theatre (THEA)







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Educational Psychology and Research

(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 - Dvlpmnt Across Lifespan (3)

Principles and processes of human development across the life span.

EDPR 3121 - Lrng Process/Assessmnt (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 - Chld/Adol Dvlpmnt (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/Rsrch (1-3)

Individually directed reading, field study or research; written report required. PREREQUISITE: permission of instructor.

EDPR 4301 - Erly Chld Dev Begn Tchr (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 - Fund App Stat Meth (3)

Use of statistical techniques in education and behavioral sciences; emphasis on practical use and interpretation of concepts. Self-instructional.

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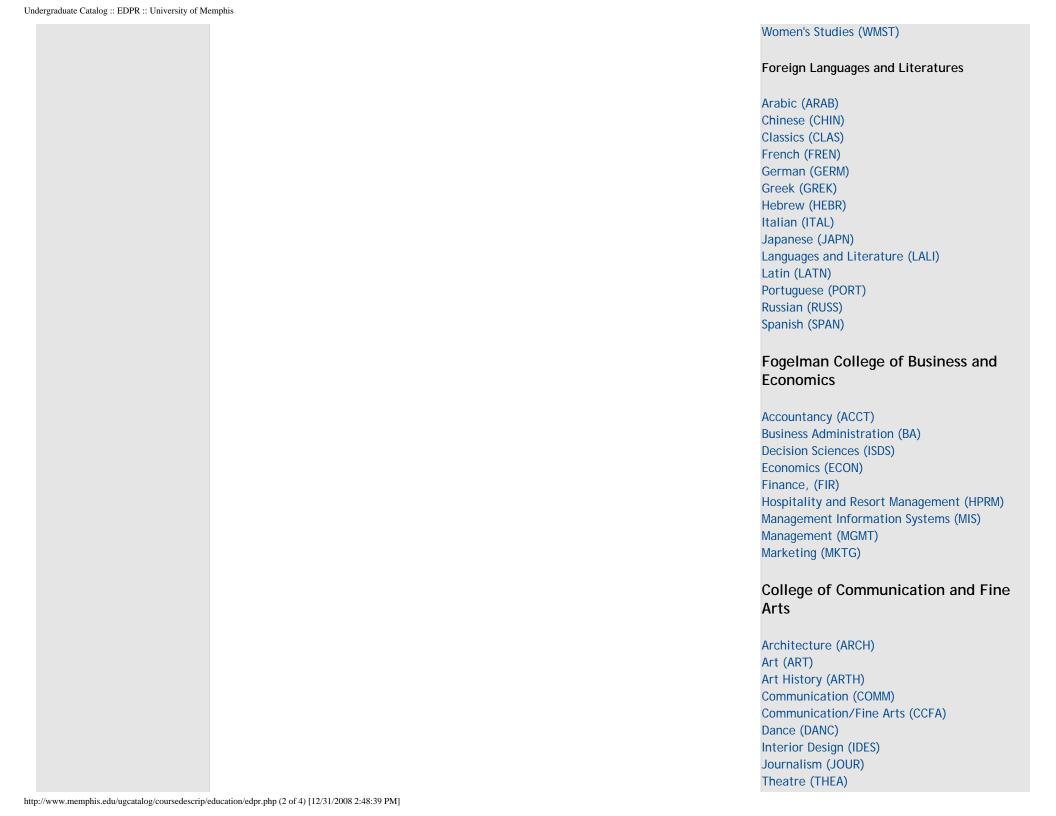
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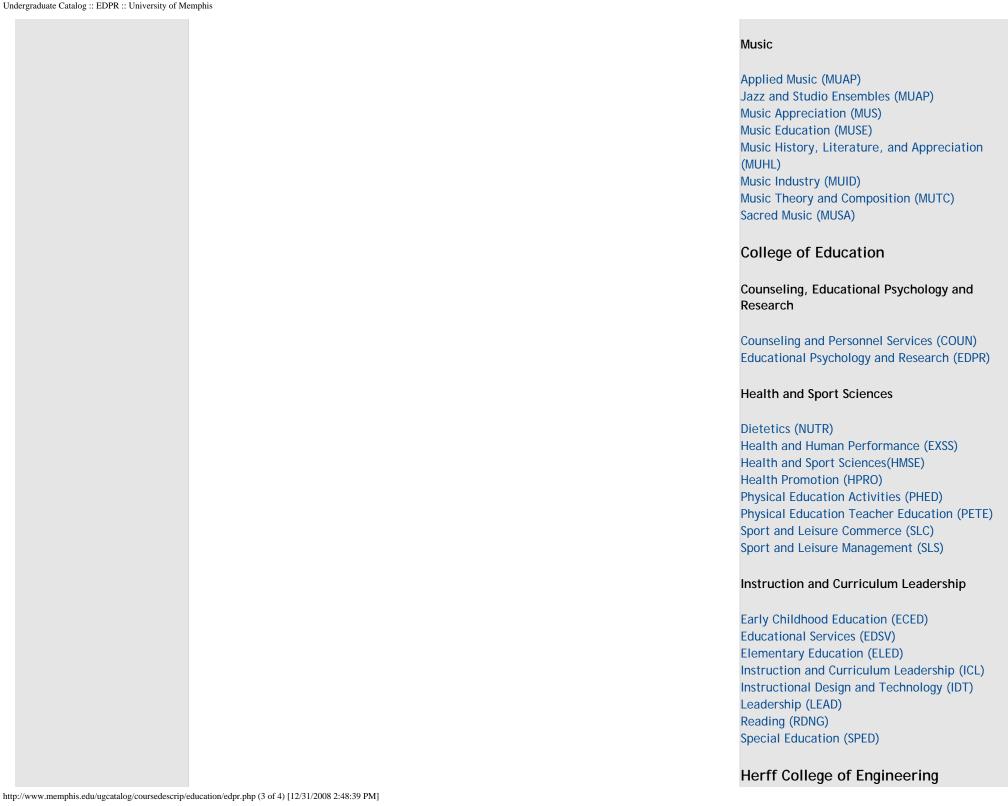
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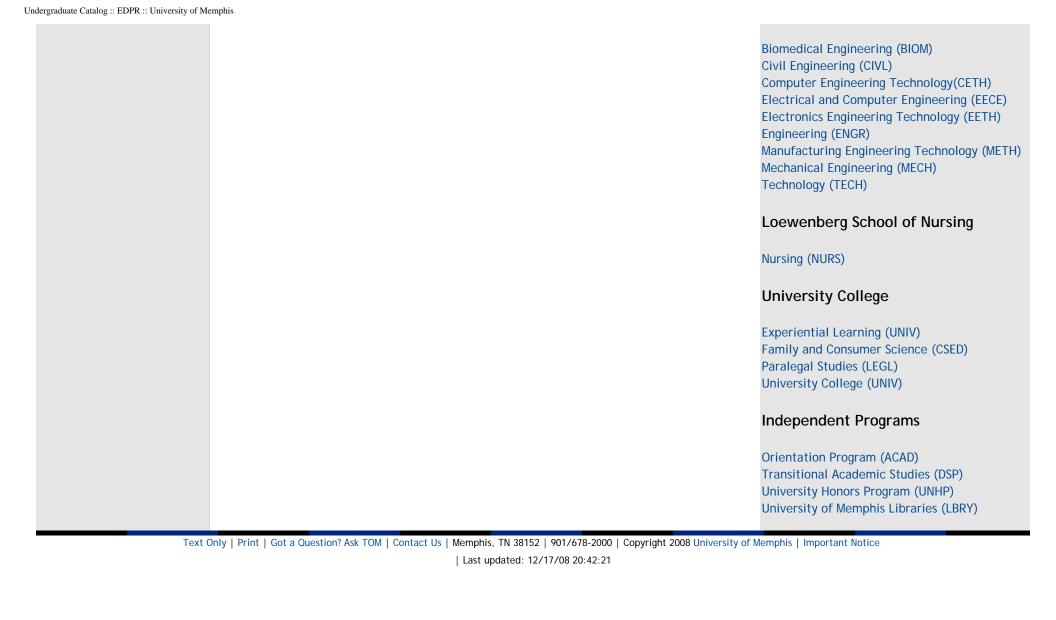
Psychology (PSYC)

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**Nutrition** 









(NUTR) NUTRITION

Department of Health and Sport Sciences Robin Roach, Ed.D., Interim 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)

(CSED). Introductory study of nutrients; nutrient requirements throughout the life span; applied dietary analysis.

NUTR 2302 - Princ/Food Preparation (3)

(CSED). Scientific principles of food preparation, culinary techniques, menu planning emphasizing cultural ethnic foods; food safety, food sanitation, computerized nutrient analysis of foods. Two lecture hours, three laboratory hours per week.

NUTR 3002 - Adv Human Metabolism (3)

(4002). (CSED). 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 3311. COREQUISITE: CHEM 3312..

NUTR 3202 - Nutrition/Health Care (3)

(CSED). Nutrition applications for health promotion and treatment of selected disease conditions. Required for admission to the Loewenberg School of Nursing at the University of

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Social Work (SWRK)

Sociology (SOCI)

Memphis. PREREQUISITE: BIOL 2010/2011, 2020/2021.

#### NUTR 3502 - Adv Foods/Food Systems (3)

(CSED). Food systems management applications; procurement, production, and menu planning for groups; legislation and environmental issues; institutional equipment and design; human resource management; additional 16 hours of lab experiences in professional food service operations outside of classroom. PREREQUISITE: NUTR 2302.

#### NUTR 4102 - Med Nutrition Therapy I (3)

(CSED). 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)

(CSED). Nutrition care process and pathophysiology for selected conditions; alternative nutrition therapies. PREREQUISITE: NUTR 4102.

## NUTR 4212 - Reading/Food/Nutrition (1-3)

(CSED). PREREQUISITE: permission of instructor.

## NUTR 4322 - Adv Food/Bev Mgmt (3)

(CSED). (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/Fin Mgt/Food Sys (3)

(CSED). 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)

(CSED). 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. COREQUISITE: HMSE 4999. (S/U)

#### NUTR 4702 - Food Production Intern (3)

(CSED). Supervised field experience in the field of food production management; preparation for Communication (COMM) ServSafe, a food safety and sanitation certification.

## NUTR 4722 - Catering Internship (3)

(CSED). Supervised field experience in the field of catering.

#### NUTR 4802 - Experimental Foods (3)

Women's Studies (WMST)

## Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

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## 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)

Marketing (MKTG)

## College of Communication and Fine Arts

Architecture (ARCH)

Art (ART)

Art History (ARTH)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

(CSED). 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 1131, 3311, EDPR 4541, or permission of instructor.

#### NUTR 4812 - Adv Human Metabolism II (3)

(CSED). In depth study of vitamin, minerals, phytochemicals; biochemical functions applied to dietetics. PREREQUISITE: BIOL 2010/2011, 2020/2021; NUTR 3002; CHEM 3311/3301, 3312/3302.

### NUTR 4902 - Study Tour/Foods/Nutr (1-3)

(CSED). PREREQUISITE: permission of instructor.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

## Instruction and Curriculum Leadership

Early Childhood Education (ECED)

**Educational Services (EDSV)** 

Elementary Education (ELED)

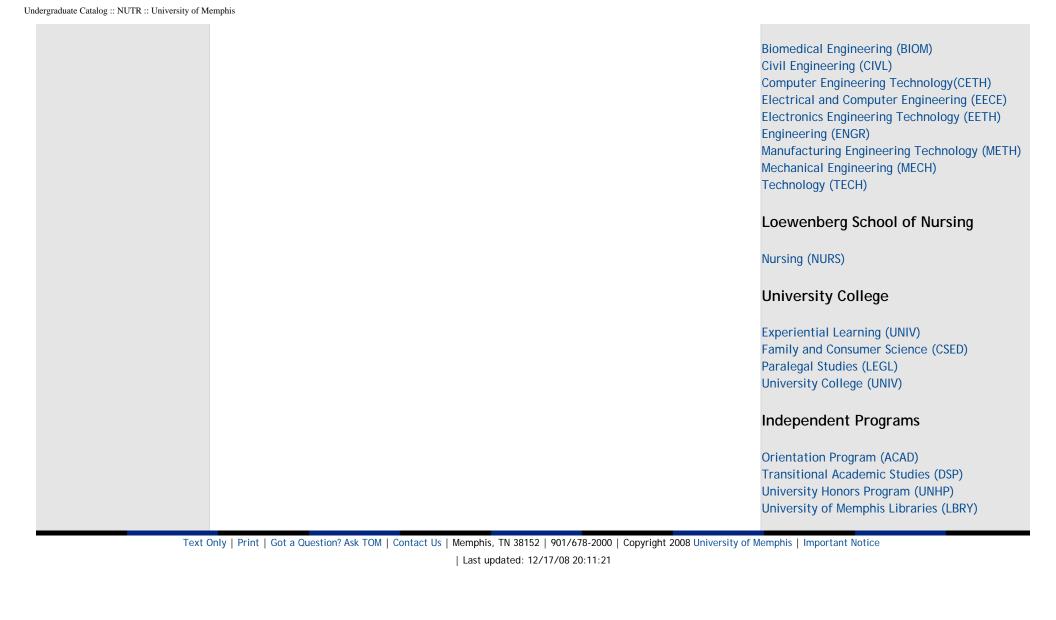
Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)





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Health and Human Performance

(EXSS) Health and Human Performance
Department of Health and Sport Sciences
Robin Roach, Ed.D., Interim 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 1102 - Personal Health (3)

Concepts of personal health including chronic and infectious diseases, sexually transmitted diseases, mental health, substance use and abuse, health consumerism, sexuality, aging, and death and dying.

#### EXSS 2010 - Resistance Training App (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 Appl (2)

Multiple aerobic training modalities; aerobic training tools for sports, rehabilitation, and physical conditioning.

## EXSS 3050 - Adv Life Supp Exer 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

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problems; first aid measures, CPR, use of an AED. PREREQUISITE: BIOL 2010/2011 and 2020/2021. (F/Su).

## EXSS 3306 - Elem School Health/Well (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.

#### EXSS 3405 - Anatomic Kinesiology (3)

(4403). Anatomic systems as related to purposeful movement of the human body; structure and function of musculoskeletal system. PREREQUISITE: EXSS 2101, 2020, BIOL 2010/2011 and 2020/2021. (S/Su).

## EXSS 3450 - Psych Aspects Exercise (3)

(4602). Emphasis on the application of psychological principles in fostering motivation among individuals in exercise/physical activity settings. PREREQUISITE: BIOL 2010/2011 and 2020/2021. [W] (Sp/Su).

### EXSS 3502 - Prev/Care Ath 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: EXSS 3505. (Sp/Su).

#### 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 3605 - Clin Experi/K-Middle (1)

Observations and the teaching of mini-lessons in physical activity in an elementary school setting. COREQUISITE: PETE 3604. S/U.

#### EXSS 3700 - Exer Physiology Intro (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: EXSS 2010, 2020, BIOL 2010/2011 and 2020/2021. (Sp/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).

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)

**Decision Sciences (ISDS)** 

**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)

#### 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 Interp 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 2010/2011and 2020/2021; EXSS 2010, 2020, 3050, 3405, 3450, 3505, 3506, 3603, 3703, 3800, 3803; HPRO 2100, or permission of instructor. (F/Su).

## EXSS 4010 - Supp/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. (F/Su).

#### EXSS 4015 - Exer Prog Spec Popultn (3)

(3310). 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, 3505, 3506, 3603, 3703, 3800, 3803; HPRO 2100. (F/Su).

#### EXSS 4020 - Exercise/Sport Mechanic (3)

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, 3450, 3505, 3506, 3603, 3703, 3800, 3803; HPRO 2100. (F/Su).

#### EXSS 4406 - Exercise Test/Ecg Intrp (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 Ath Injurs (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 Cond (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, 3505, 3506, 3603, 3703, 3800, 3803; HPRO 2100, or permission of instructor. (F/Su).

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

## EXSS 4605 - Internship Exr/Sprt Sci (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. COREQUISITE: HMSE 4999. (S/U).

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

Experiential Learning (UNIV)
Family and Consumer Science (CSED)
Paralegal Studies (LEGL)
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## **Independent Programs**

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University Honors Program (UNHP)
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Health and Sport Science

## (HMSE) HEALTH AND SPORT SCIENCES

Robin Roach, Ed.D., Interim Chair Room 106, Elma Neal Roane Fieldhouse http://hss.memphis.edu/

## HMSE 1100 - Concepts Fitn/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/HIth Sprt Sci (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 Philosophy (PHIL) 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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Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Physics (PHYS)

Political Science (POLS)

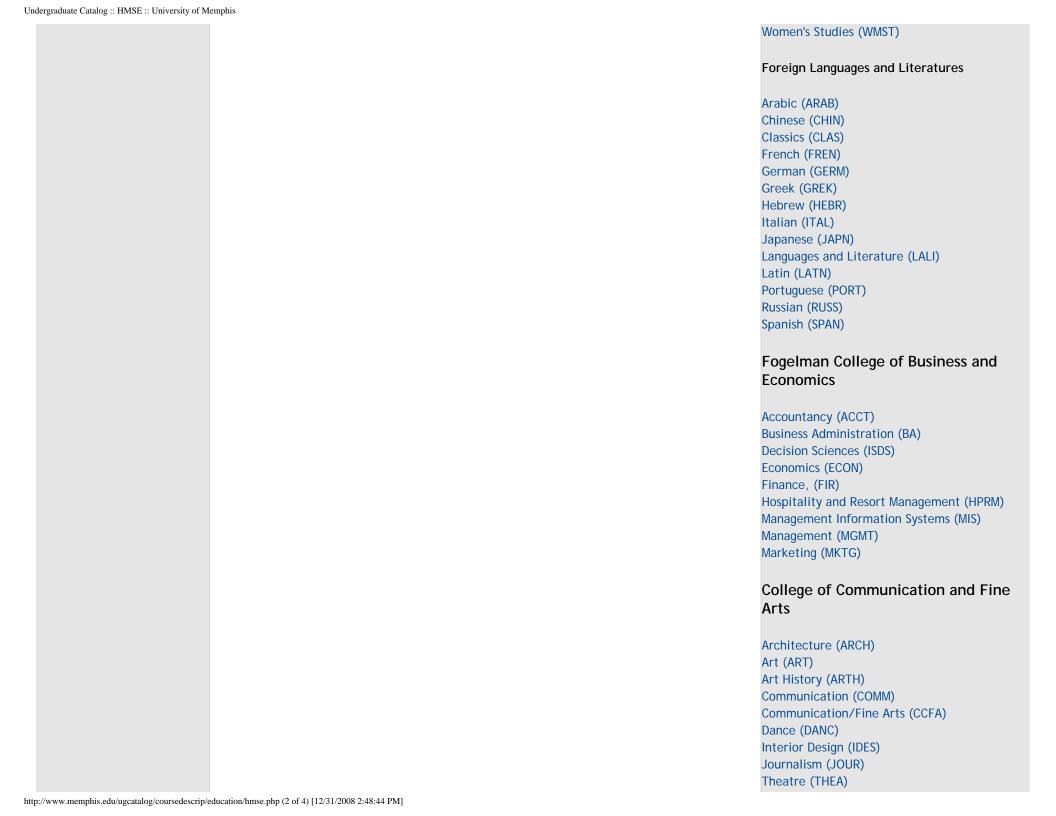
Open Learning Fire Services Program (PADM)

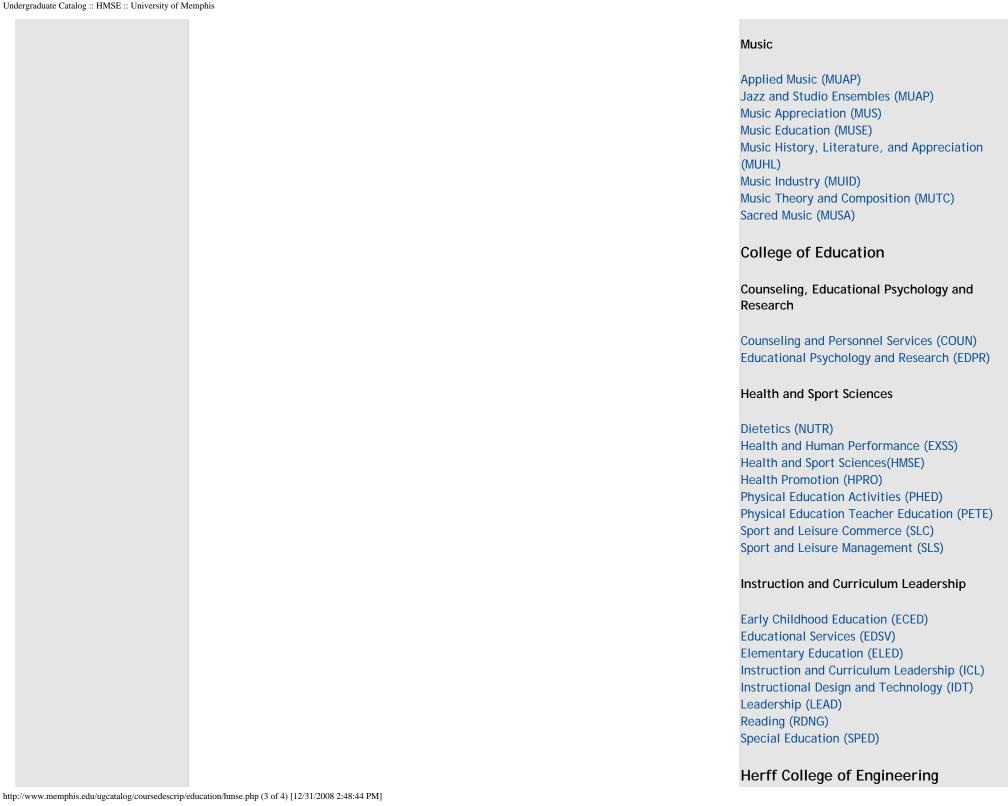
Public and Nonprofit Administration (PADM)

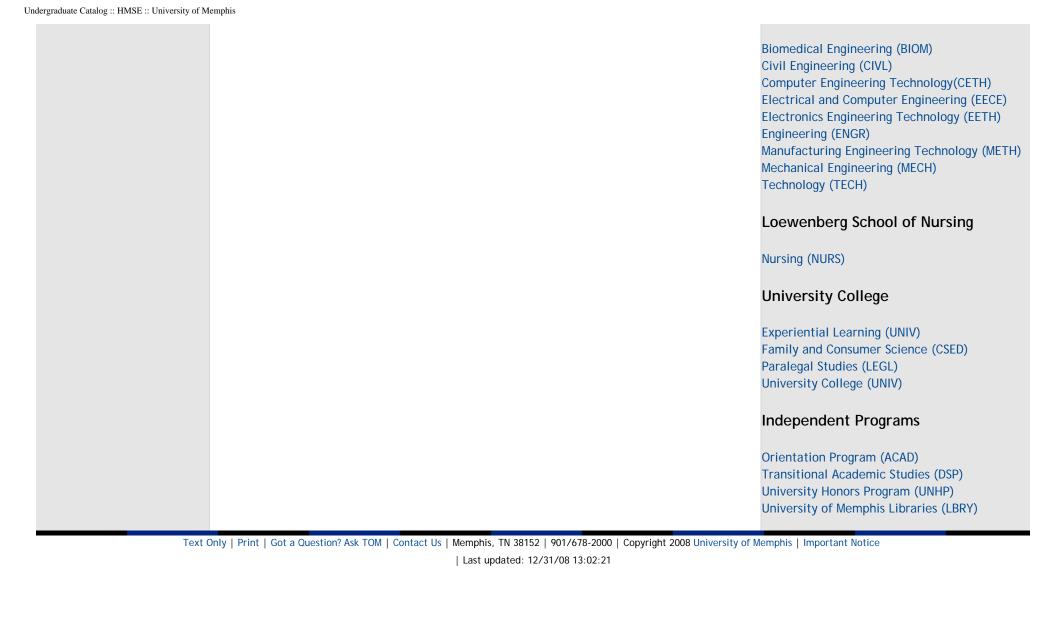
Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)









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Health Promotion

## (HPRO) HEALTH PROMOTION

Department of Health and Sport Sciences Robin Roach, Ed.D., Interim Chair Room 106, Elma Neal Roane Fieldhouse http://hss.memphis.edu/

### HPRO 2100 - Wellness Concepts Pract (3)

Individual responsibility for achieving optimal well-being through preventive health practices that promote healthful lifestyles.

## HPRO 2200 - Intro/Public HIth/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 3505 - Prin/HIth Ftnss Instruc (3)

(EXSS). Principles of exercise; principles of writing exercise prescriptions based on case studies for apparently health and medically stable asymptomatic populations; calculating energy expenditure for variety of activities; health related effects of physical fitness emphasizing the relationship between physical activity and chronic diseases. PREREQUISITE: EXSS 2010, 2020, BIOL 2010/2011 and 2020/2021. COREQUISITE: EXSS 3506. (Sp/Su).

#### HPRO 3506 - Princ HIth Fitness Prac (1)

(4204).(EXSS). Acquisition and practice of laboratory/clinical skills pertaining to methods for measuring body composition, muscle strength, muscle endurance, flexibility, aerobic endurance. Course requires a 30 hour supervised clinical experience in the Wellness Evaluation and Resource Unit. A uniform may be required for this laboratory experience.

## HPRO 3522 - Assess/Prog Eval/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

## **Course Descriptions**

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Social Work (SWRK)

Sociology (SOCI)

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 - Marketng/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 - Strategic Plan/Prog Develpmnt (3)

(4003). (EXSS). Basic skills and principles of developing, implementing, evaluating, managing 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).

### 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/Interntl 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 Couns (3)

Counseling techniques and application to develop and apply basic counseling, lifestyle coaching skills, helping attitudes in health promotion. PREREQUISITE: HPRO 3512. (F/Su)

### 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.

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)** 

**Decision Sciences (ISDS)** 

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)

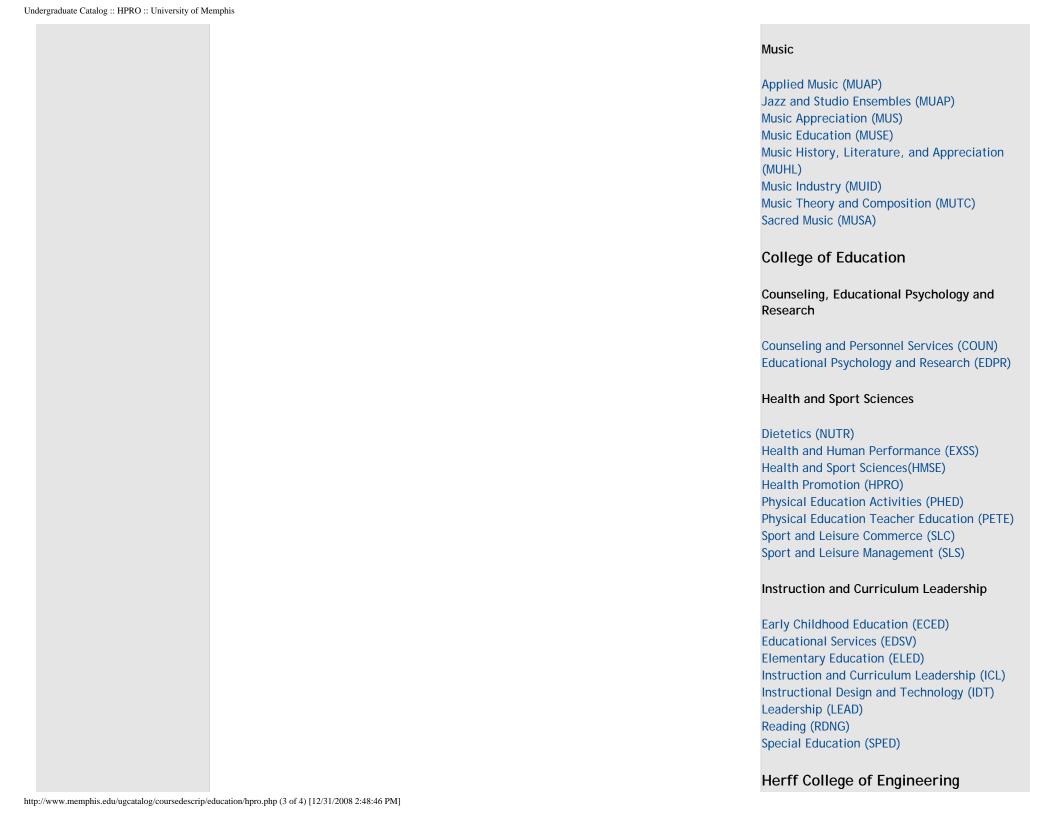
Communication (COMM)

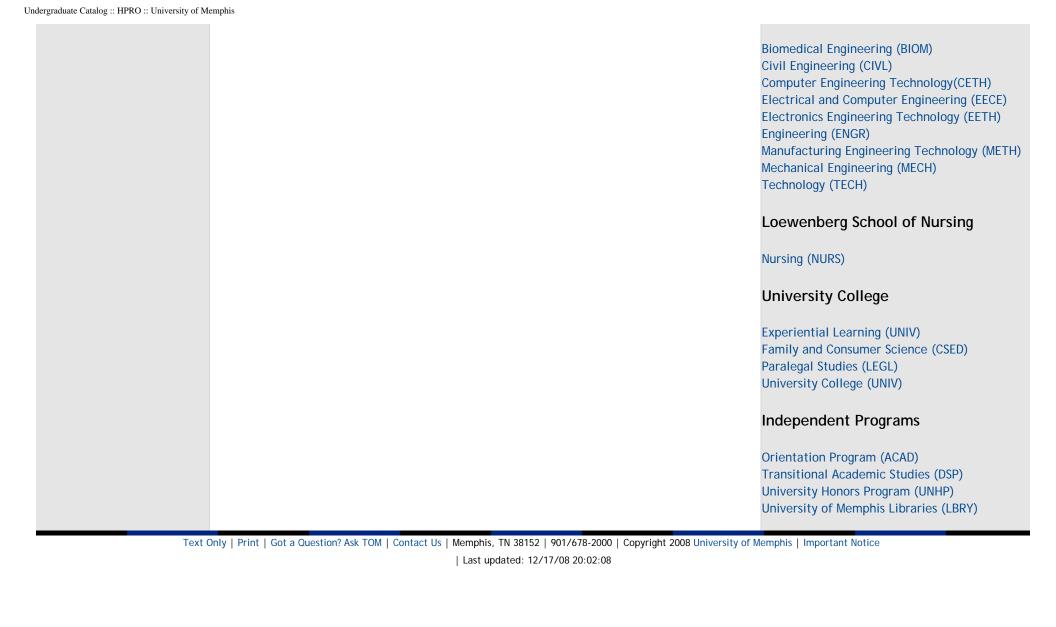
Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)







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Physical Education Activities

(PHED) PHYSICAL EDUCATION Department of Health and Sport Sciences Robin Roach, Ed.D., Interim 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]

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Catalog Archive and PHED 1003 - Aerobics (2)

**University Links** May be repeated once for credit. [G]

Class Offerings PHED 1004 - Jogging (2)

May be repeated once for credit. [G]

PHED 1005 - Condtn: Varsity Sports (2) Search the catalog:

Open only to varsity athletes, cheerleaders, and members of the pom pon squad. May be

repeated once for credit. [G] (S/U)

PHED 1006 - Water Aerobics (2) May be repeated once for credit. [G]

PHED 1007 - Yoga Stretchng/Relaxatn (2)

May be repeated once for credit. [G]

PHED 1008 - Walking Health/Fitness (2) May be repeated once for credit. [G]

PHED 1009 - Fitn Thru Cross Training (2) May be repeated once for credit. [G]

**Course Descriptions** 

## College of Arts and Sciences

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Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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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)

Social Work (SWRK)

Sociology (SOCI)

Women's Studies (WMST) PHED 1015 - Stationary Cycling (2) Current activities in physical education. See online class listings for specific activity. May be Foreign Languages and Literatures repeated with a change in topic. [G] Arabic (ARAB) PHED 1016 - Pilates (2) Chinese (CHIN) Current activities in physical education. See online class listings for specific activity. May be Classics (CLAS) repeated with a change in topic. [G] French (FREN) PHED 1107 - Yoga II (2) German (GERM) [G] Greek (GREK) Hebrew (HEBR) PHED 1108 - Universal Survival Tech (2) Italian (ITAL) Learning and application of current research and effective practice; chances for survival in many Japanese (JAPN) different climates, weather conditions; emergency situations; development of problem solving Languages and Literature (LALI) skills. [G] Latin (LATN) PHED 1301 - Weight Train/Machines (2) Portuguese (PORT) [G] Russian (RUSS) Spanish (SPAN) PHED 1302 - Free Weights & Machines (2) [G] Fogelman College of Business and PHED 1331 - Camping (2) **Economics** [G] Accountancy (ACCT) PHED 1333 - Backpacking (2) Business Administration (BA) [G] **Decision Sciences (ISDS) Economics (ECON)** PHED 1334 - Rock Climbing (2) [G] Finance, (FIR) Hospitality and Resort Management (HPRM) PHED 1336 - Orienteering (2) Management Information Systems (MIS) [G] Management (MGMT) Marketing (MKTG) PHED 1340 - Intro To Fly Fishing (2) [G] College of Communication and Fine PHED 1361 - Horseback Riding (2) Arts [G] Architecture (ARCH) PHED 1412 - Judo (2) Art (ART) [G] Art History (ARTH) PHED 1413 - Self Defense Techniques (2) Communication (COMM) [G] Communication/Fine Arts (CCFA) Dance (DANC) PHED 1441 - Karate (2) Interior Design (IDES) [G] Journalism (JOUR) Theatre (THEA) PHED 1442 - Advanced Karate (2)

PHED 1443 - Aikido (2) [G] PHED 1444 - Kickboxing (2) [G] PHED 1445 - Tae Kwon Do (2) [G] PHED 1461 - Basic Foil Fencing (2) [G] PHED 1463 - Intermed Modern Fencing (2) [G] PHED 1464 - Padded Weapons (2) [G] PHED 1501 - Beginning Tennis (2) [G] PHED 1502 - Intermediate Tennis (2) [G] PHED 1521 - Racquetball (2) [G] PHED 1522 - Intrmediate Racquetball (2) [G] PHED 1541 - Badminton (2) [G] PHED 1561 - Bowling (2) [G] PHED 1562 - Intermediate Bowling (2) [G] PHED 1571 - Golf (2) [G] PHED 1572 - Intermediate Golf (2) [G] PHED 1711 - Beginning Swimming I (2) [G] PHED 1712 - Beginning Swim II (2)

#### Music

Applied Music (MUAP)
Jazz and Studio Ensembles (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

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)

[G] PHED 1713 - Intermediate Swim (2) [G] PHED 1722 - Swim-Lifequarding (2) [G] The prerequisite for these courses is Physical Education skills 1713. PHED 1742 - Condition Thru Swimming (2) [G] PHED 1743 - Triathlon Tech/Training (2) [G] PHED 1771 - Scuba (2) [G] The prerequisite for these courses is Physical Education skills 1713. PHED 1772 - Advanced Scuba (2) [G] The prerequisite for these courses is Physical Education skills 1713. PHED 1782 - Kayaking (2) [G] PHED 1783 - Canoeing (2) [G] PHED 1784 - Sea Kayaking (2) [G] PHED 1811 - Rhythms For Elem Sch (2) [G] PHED 1814 - Ballroom Dancing (2) [G] PHED 1921 - Basketball (2) [G] PHED 1923 - Volleyball (2) [G] PHED 1924 - Intermediate Volleyball (2) [G] PHED 1925 - Beach Volleyball (2) [G] PHED 1931 - Soccer & Fieldsports (2) [G] PHED 2703 - Water Safety Instructor (3)

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY) Analysis, practice, and teaching of swimming and lifesaving skills and general water safety practice. Variable hours of supervised laboratory/field experience will be required. PREREQUISITE: experienced swimmer.

## PHED 3406 - Lifeguard & 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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Physical Education Teacher Education

(PETE) PHYSICAL EDUCATION TEACHER EDUCATION

Department of Health and Sport Sciences Robin Roach, Ed.D., Interim Chair Room 106, Elma Neal Roane Fieldhouse http://hss.memphis.edu/

PETE 2001 - Indivdual Fitness Tchng (2)

Knowledge, skills and techniques of teaching fitness; individual skill development; competency in instructional techniques of teaching fitness in school settings.

PETE 2002 - Ed Gmes/Team Sprt Skill (2)

(EXSS 2002). 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 Indvdl Sport (2)

(EXSS 2003). 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/Mvmnt 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/Mvmnt Concepts (2)

(EXSS 2009). Knowledge, skills, techniques of teaching educational dance; individual skill development; competency in instructional techniques of teaching educational dance in school settings.

PETE 3307 - Psychosoc Aspect/Sport (3)

(EXSS 3307). Designed to help students develop understanding of psychological aspects of

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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)

Social Work (SWRK)

Sociology (SOCI)

participation in sport; emphasis on research and theoretical frameworks related to performance Women's Studies (WMST) enhancement and enjoyment in sport.

#### PETE 3308 - Except 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 Strtgies Phys Ed (3)

Emphasis on development and application of developmentally appropriate instructional strategies in school based physical activity settings. Students initiate Professional Development Portfolios (PDF) and must be accepted into the Teacher Education Program to enroll in this course.

#### PETE 3903 - Hist/Phil Phys Actvity (3)

(EXSS 3903). 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. [W]

#### PETE 4200 - Curr Learning 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 Business Administration (BA) taken in the Fall of Senior year. Block courses may be taught in local Professional Development Schools. COREQUISITE: PETE 3800, 4300, and 4400.

#### PETE 4300 - Curr Lrng Secondary Ed (4)

(EXSS 4808 and 4809). 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 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. [C]

#### 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

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Marketing (MKTG)

## College of Communication and Fine Arts

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Art History (ARTH)

Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

assessed as part of this course. Student must be accepted into the Teacher Education Program to enroll in this course. COREQUISITE: student teaching. [I]

## PETE 4909 - Student Teaching Pete (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: approval from Teacher Education Director. COREQUISITE: PETE 4800.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

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## Instruction and Curriculum Leadership

Early Childhood Education (ECED)

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Elementary Education (ELED)

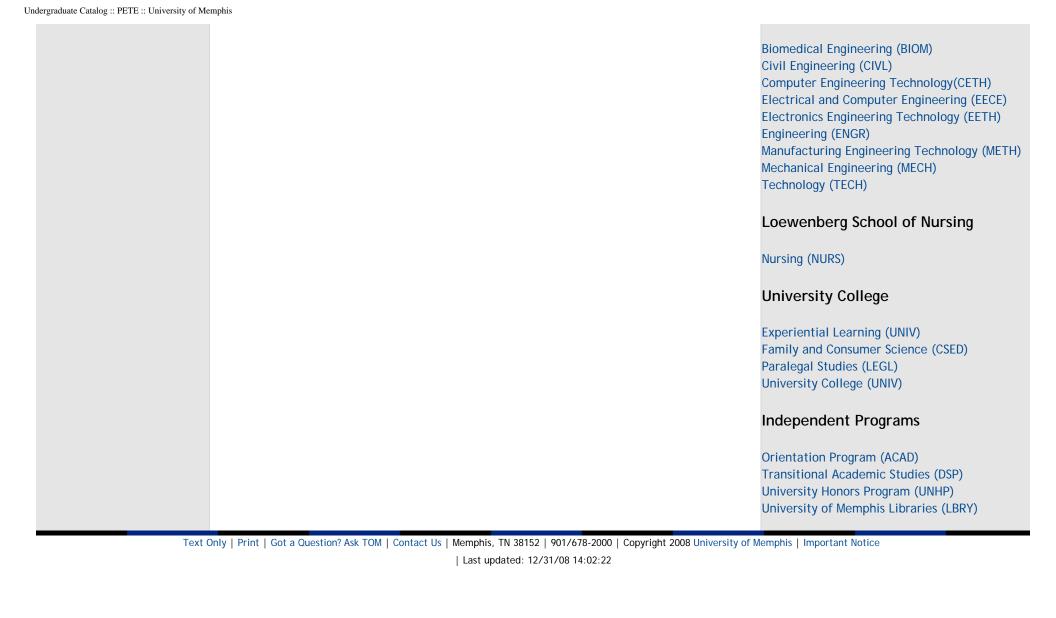
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Sport and Leisure Commerce

(SLC) SPORT AND LEISURE COMMERCE

Department of Health and Sport Sciences Robin Roach, Ed.D., Interim 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: 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 - Sprt Sales/Rev Prod I (3)

Analysis of skills essential to revenue production and sales processes in sport business. PREREQUISITE: permission of instructor.

SLC 4002 - Sprt Sales/Rev Prod II (3)

Skills essential to managing existing customer sales in sport business. PREREQUISITE: successful completion of SLC 4001.

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Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

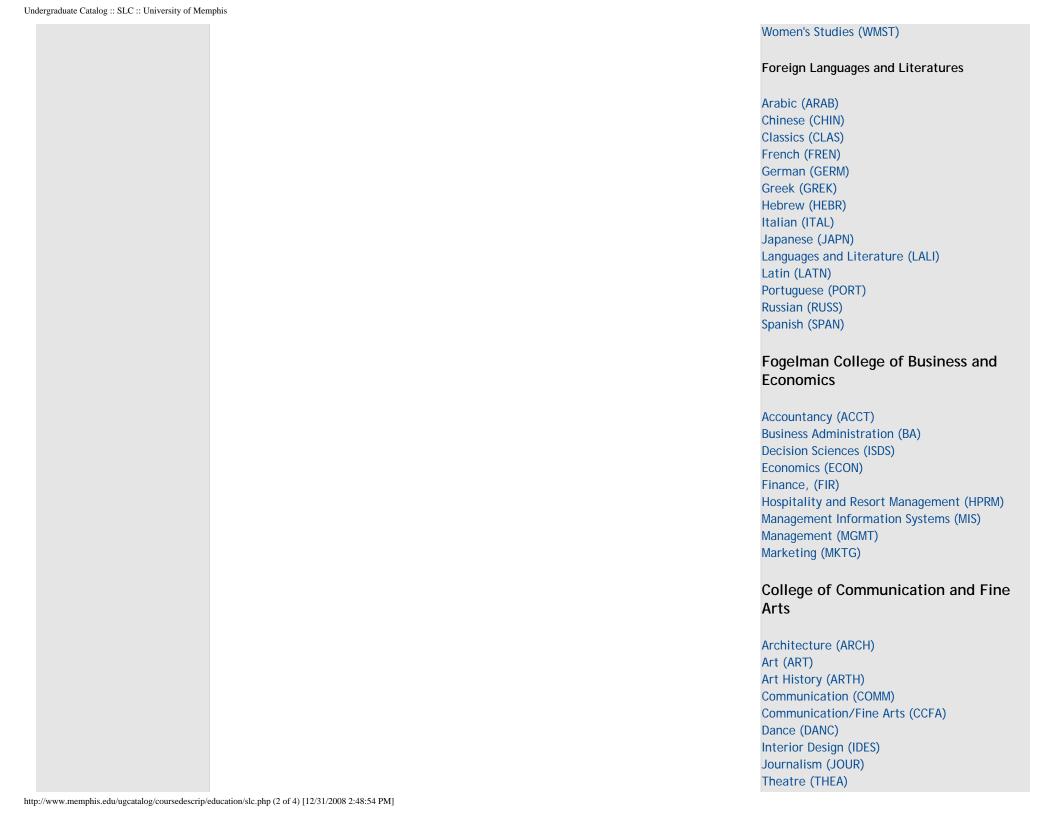
Open Learning Fire Services Program (PADM)

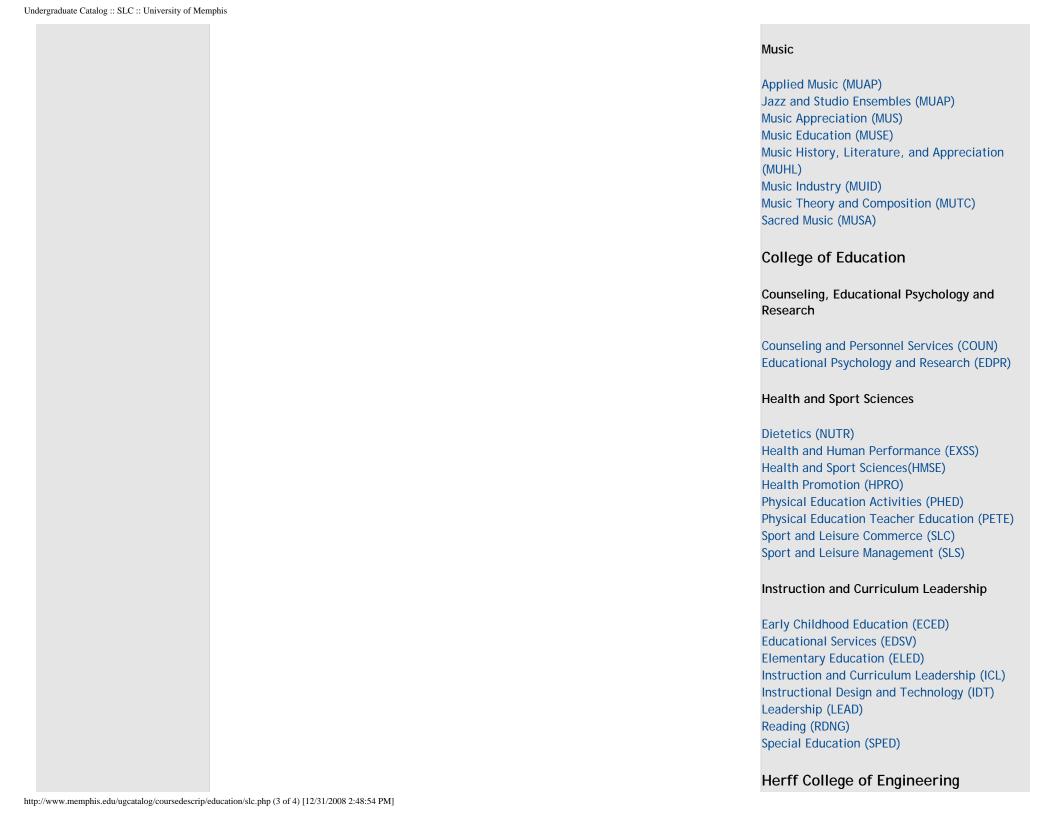
Public and Nonprofit Administration (PADM)

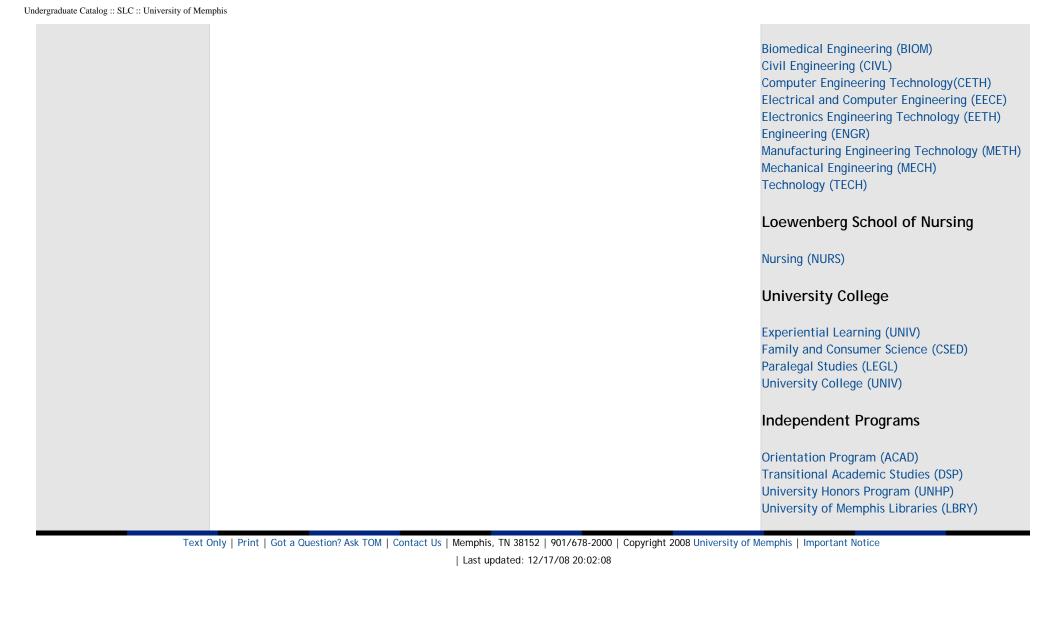
Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)









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Sport and Leisure Management

(SLS) SPORT AND LEISURE MANAGEMENT

Department of Health and Sport Sciences Robin Roach, Ed.D., Interim Chair Room 106, Elma Neal Roane Fieldhouse http://hss.memphis.edu/

## 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 (1-3)

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 Apps Sprt/Leis (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. [C]

## SLS 3103 - Outdr Rec/Ed Urban Amer (3)

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. This course may be taken to improve the grade for one, but not both, of the former courses.

## SLS 3104 - Commercial Rec & Tour (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.

SLS 3105 - Sport/Leisure Pop Cult (3)

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Political Science (POLS)

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Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

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. NOTE: SLS 3105, 3205, and 4205 must be successfully completed in order to satisfy the Writing Intensive requirement. [W]

#### SLS 3202 - Park/Rec 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 Anlys 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.

#### SLS 3205 - Area/Facility Planning (3)

Planning, development, and maintenance of sport and leisure facilities; inspection, comprehensive recreation surveys, and planning a layout. This course may be taken to improve the grade for one, but not both, of the former courses. NOTE: SLS 3105, 3205, and 4205 must be successfully completed in order to satisfy the Writing Intensive requirement. [W]

## SLS 3305 - Leisure/Recr Prog Devl (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 Mgmt 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.

#### SLS 3650 - Sport Info/Pub Reltns (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.

#### SLS 3905 - Leisr/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

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Journalism (JOUR)

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 - Leadershp Leisure Servs (3)

Concepts of leisure leadership through group discussion, activity, role-playing, gaming, lecture, and class projects.

## SLS 4125 - Gend Race/CI 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/Cultr Globl Persp (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: Social Sciences requirement, SLS 3105, or permission of instructor.

## SLS 4155 - Sport/Leisure Govern (3)

Development and enforcement of policy by and within governing bodies and systems specifically for local, national, and international sport and leisure organizations. PREREQUISITE: SLS 3105, 4145, 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 - Intl 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, licensing, and copyright. PREREQUISITE: SLS 3204, or permission of instructor. NOTE: SLS 3105, 3205, and 4205 must be successfully completed in order to satisfy the Writing Intensive requirement. [W]

#### SLS 4500 - Sport/Leisure Mktg (3)

(SLS 4005). 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 3105.

## SLS 4605 - Intern Sprt/Leisure Mgt (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.

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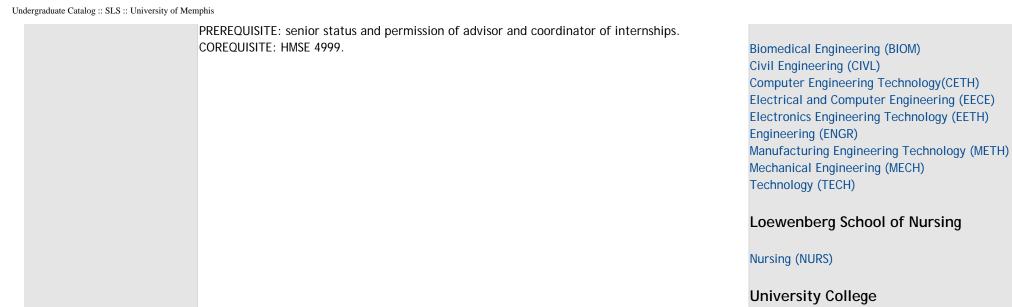
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Loewenberg School of Nursing

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**Independent Programs** 

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Early Childhood Education

## (ECED) EARLY CHILDHOOD EDUCATION

Department of Instruction and Curriculum Leadership Rebecca Anderson, Ph.D., Chair Room 106D, E.C. Ball Hall http://icl.memphis.edu/

### ECED 3555 - Obsrv/Assmnt Inf/Erl 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. PREREQUISITE: EDPR 2111, and admission to TEP. PREREQUISITE or COREQUISITE: EDPR 4301. [C]

## ECED 4500 - Emergent Lit/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. Required field experiences in multicultural settings. PREREQUISITE: ECED 3555 and admission to TEP.

## ECED 4510 - Erly 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. Ten hours field experience required. PREREQUISITE: admission to TEP. (F,Sp).

## ECED 4520 - Pln/Fclt Scl 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. Fifteen hours field experience required. PREREQUISITE: admission to TEP, or permission of instructor.

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Sociology (SOCI)

COREQUISITE: ECED 4525.

## ECED 4525 - Pract Erly Chld Tch/Lrn (1-3)

Planning, implementing, evaluating early childhood methods and materials in K-3 classes. PREREQUISITE: ECED 4510 and admission to TEP. COREQUISITE: ECED 4520 (Sp) and ECED 4530 (F).

## ECED 4530 - Pln/Fclt Math/Sci Lrng (3)

Provides knowledge, skills, and dispositions necessary to plan for and facilitate development and French (FREN) learning of physical, logico-mathematical, social knowledge of math and science for children from birth through nine years. Fifteen hours field experience required. PREREQUISITE: ECED 4510 and admission to TEP, or permission of instructor. COREQUISITE: ECED 4525.

#### ECED 4540 - Pln/Fclt Infnt/Tdlr 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. Ten hours field experience required. PREREQUISITE: ECED 4510 and admission to TEP, or permission of instructor.

Women's Studies (WMST)

## Foreign Languages and Literatures

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## College of Communication and Fine Arts

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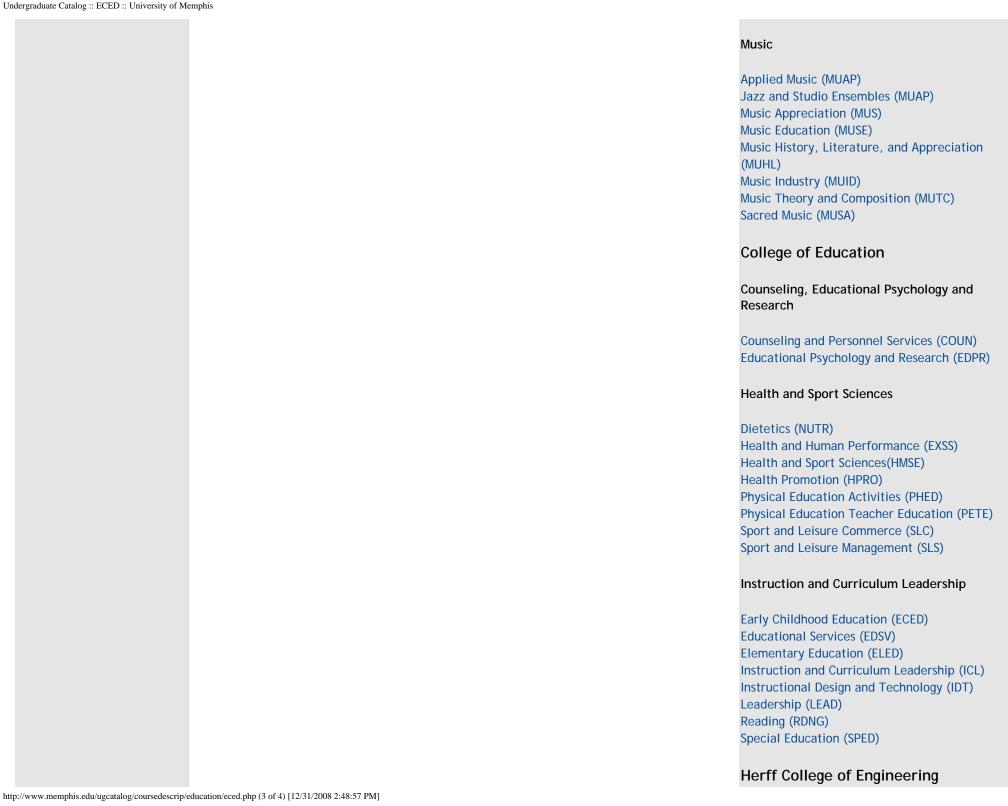
Communication (COMM)

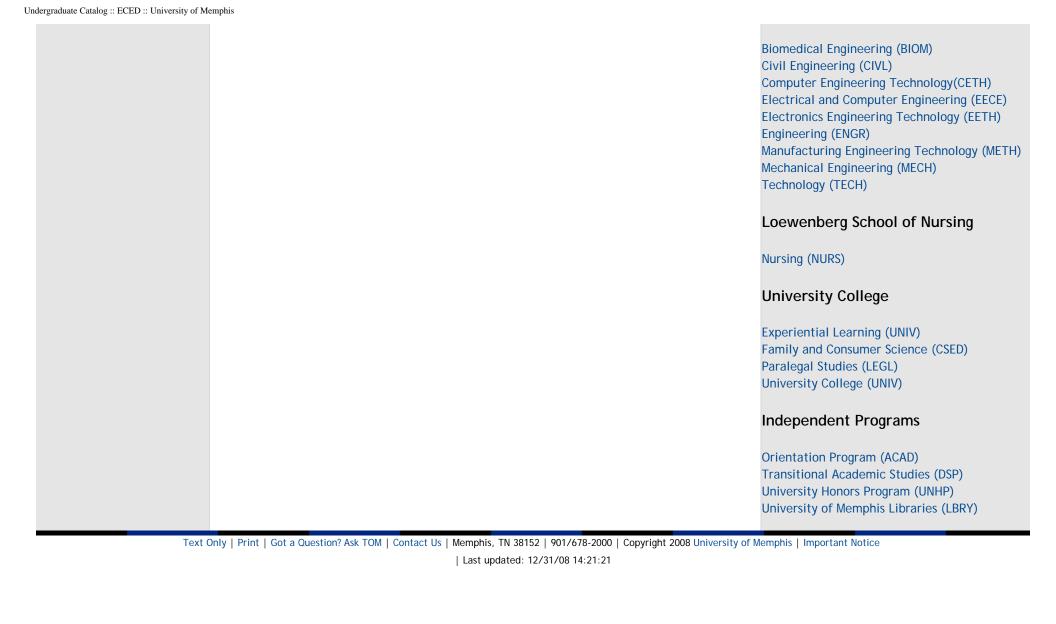
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Educational Services

(EDSV) EDUCATIONAL SERVICES

Department of Instruction and Curriculum Leadership Rebecca Anderson, Ph.D., Chair Room 106D, E.C. Ball Hall http://icl.memphis.edu/

EDSV 4750 - Prblm/Ed Services (1-3)

Independent study and field projects on selected problems, interests, and needs related to educational programs in training settings.

EDSV 4850 - Pract/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 - Intern/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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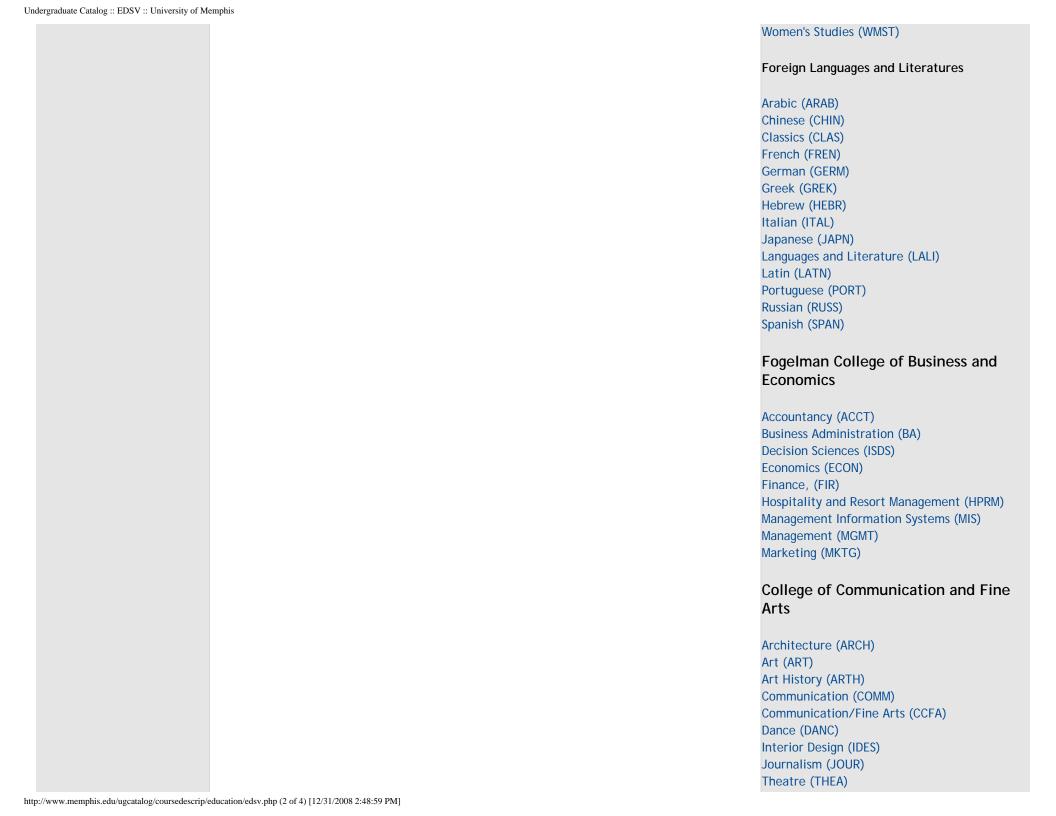
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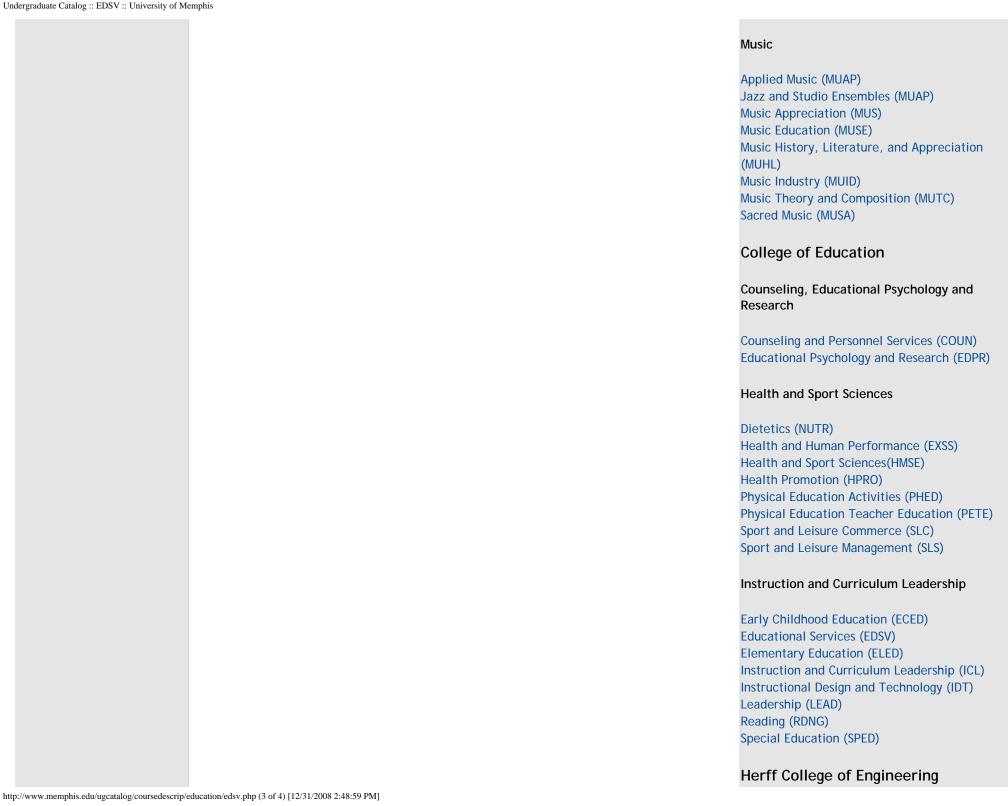
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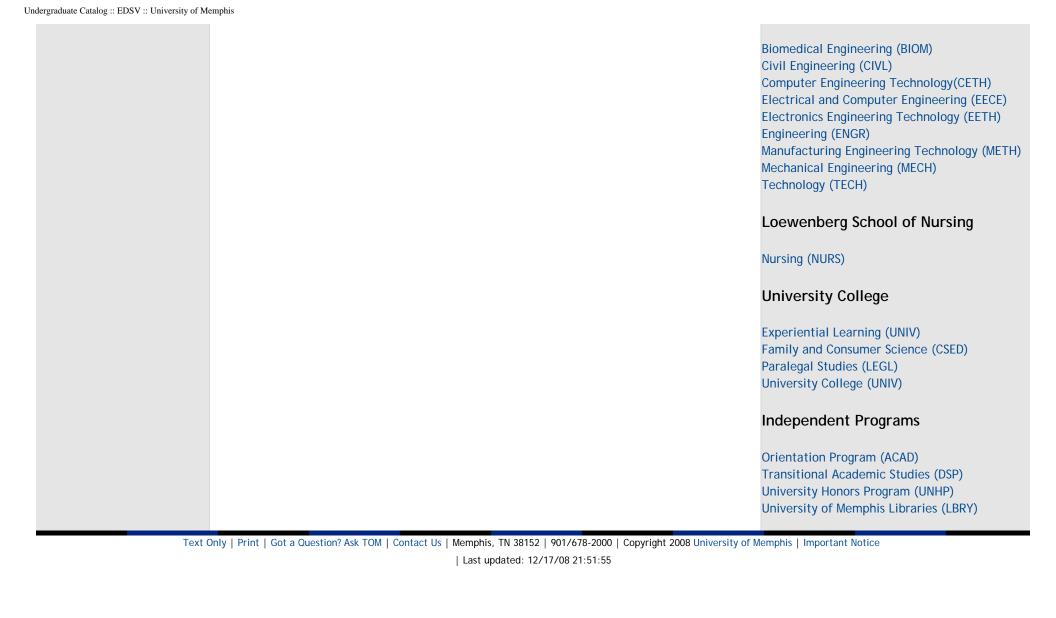
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Elementary Education

#### (ELED) ELEMENTARY EDUCATION

Department of Instruction and Curriculum Leadership Rebecca Anderson, Ph.D., Chair Room 106D, E.C. Ball Hall http://icl.memphis.edu/

## ELED 3251 - Method/Teach Math/Elem Grades (3)

Curriculum methods and materials for teaching mathematics with emphasis on problem solving. PREREQUISITE: admission to TEP. [C]

## ELED 4351 - Teaching/Learn 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 - Curr & 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 Instr 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 develop and use a thematic unit to instruct K-8 students; emphasis includes critical reflection 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

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## ELED 4354 - Pract Integrty Urb Envn (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.

Women's Studies (WMST)

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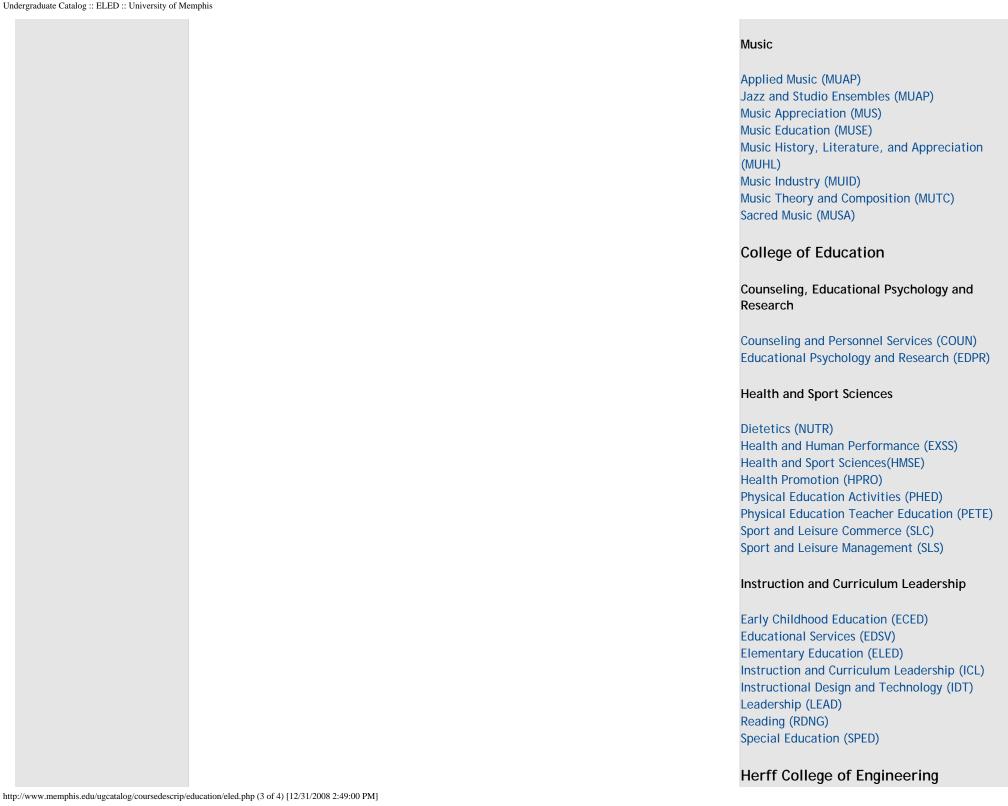
Communication (COMM)

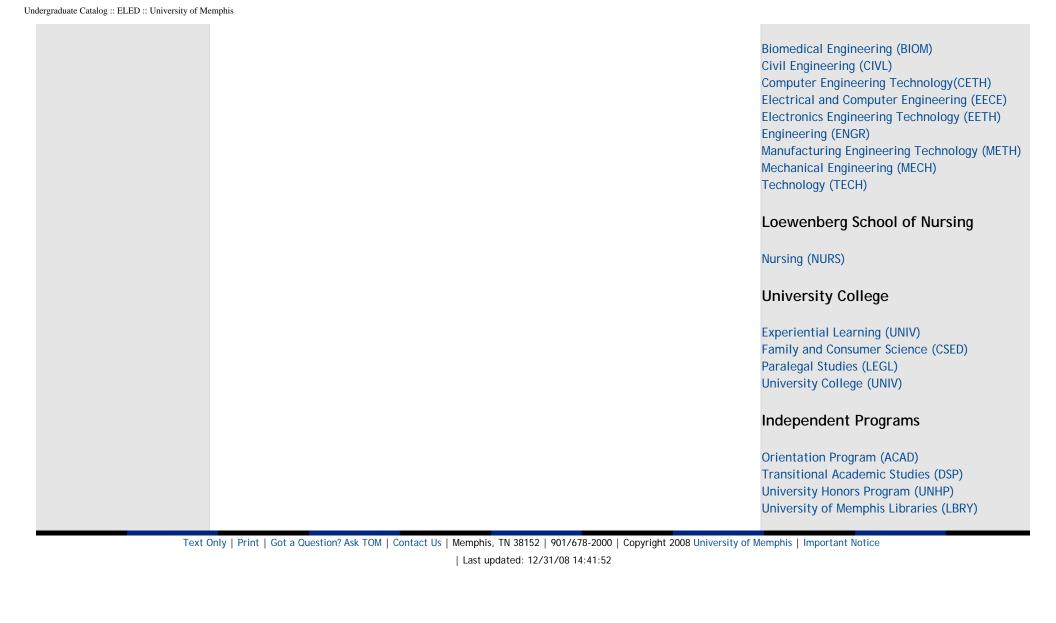
Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)







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Instruction and Curriculum Leadership

(ICL) INSTRUCTION AND CURRICULUM LEADERSHIP

Rebecca Anderson Ph.D., 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: 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 an 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 3901 - Spcl Prblms Instrctn (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 - Learng Urb Env K-8 (3)

Use of appropriate knowledge and skills for managing total learning environment in both early and middle school setting; emphasis on development of skills that facilitate effective teaching through appropriate management techniques and involvement of parents and community members. Ten hours field experiences. PREREQUISITE: LEAD 2010 SPED 2000.

## ICL 4002 - Fndmtl/Urban Mid Grade (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: 10 hours. PREREQUISITE: Admission to TEP. Completion of all General Education courses. (F/Sp)

## **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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History (HIST)

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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)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

## ICL 4003 - Teach Mid School Lang (3)

Principles, techniques, materials for teaching language arts in middle grades. 12 hours field experience for undergraduates; 18 hours field experience for graduates. PREREQUISITE: Admission to TEP. (F/Sp)

## 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: 12 hours Undergraduates, 18 hours Graduates. PREREQUISITE: Admission to TEP. (F/Sp)

#### 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. Clinical/field Experience: 12 hours Undergraduates, 18 hours Graduates. PREREQUISITE: Admission to TEP. (F/Sp)

## ICL 4006 - Teach Mid Grade/Soc Sty (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: 12 hours Undergraduates, 18 hours Graduates. PREREQUISITE: Admission to TEP. (F/Sp)

## ICL 4121 - Lbry Mtrl 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 - Indvl Instrctn Pract (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 4761 - Aerospace Ed In Schools (3)

Aerospace content and flight experiences. Emphasizes classroom application.

#### ICL 4762 - Adv Aerospace Ed Schls (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 - Professional 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

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)** 

Decision Sciences (ISDS)

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)

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. (S/U) [I]

#### ICL 4901 - Stdnt 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 - Stdnt Tchng/Primary (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 4904 - Stdnt Teach/Grades K-6 (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 4906 - Stdnt Teach/Special 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 4907 - Stdnt Tchng/Scndry Schl (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 - Stdnt Tchng/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 - Stdnt Tchng/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 - Stdnt 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

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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

professional competencies in educational setting. PREREQUISITE: approval from Teacher Education Director. COREQUISITE: ICL 4800. (S/U)

## ICL 4911 - Student Tching 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 4912 - Student Teaching In Art (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 - Student Teach/Mid Grade (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 4960 - Academic Content Tchg (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.

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

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University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

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Instructional Design and Technology

(IDT) INSTRUCTIONAL DESIGN AND TECHNOLOGY

Rebecca Anderson Ph.D., Chair Room 106D, E.C. Ball Hall http://icl.memphis.edu/

IDT 3600 - Technology In Educ (3)

(ICL 3600). Integration of varied uses of technology into classroom learning environment while increasing students' technological knowledge and skills; word processing, databases, spreadsheets, authoring, internet browsers, presentation, communication. Five hours field experience required.

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Anthropology (ANTH)

Biology (BIOL)

Chemistry (CHEM)

Computer Science (COMP)

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Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

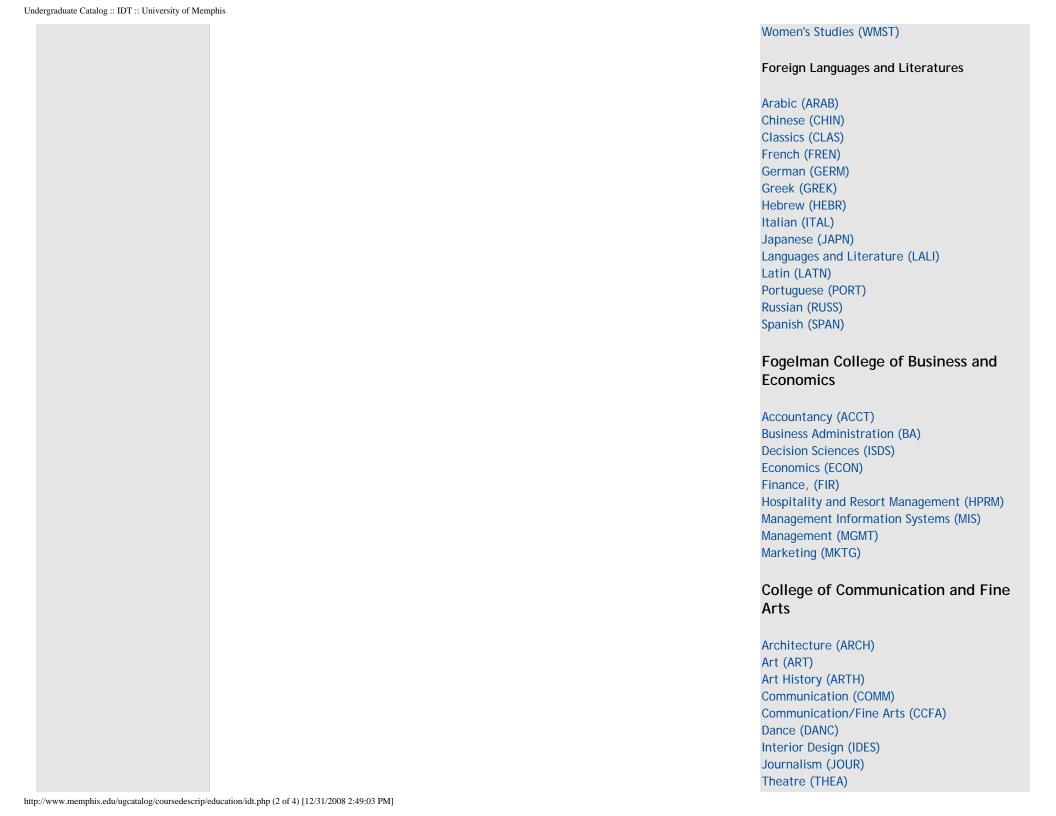
Open Learning Fire Services Program (PADM)

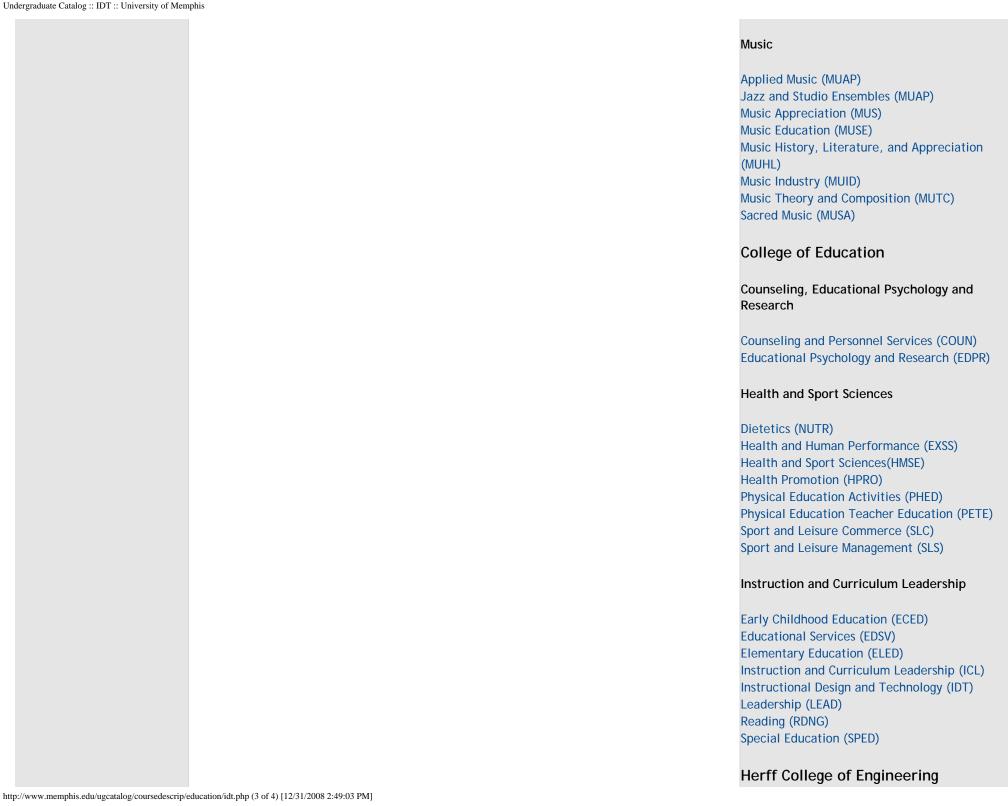
Public and Nonprofit Administration (PADM)

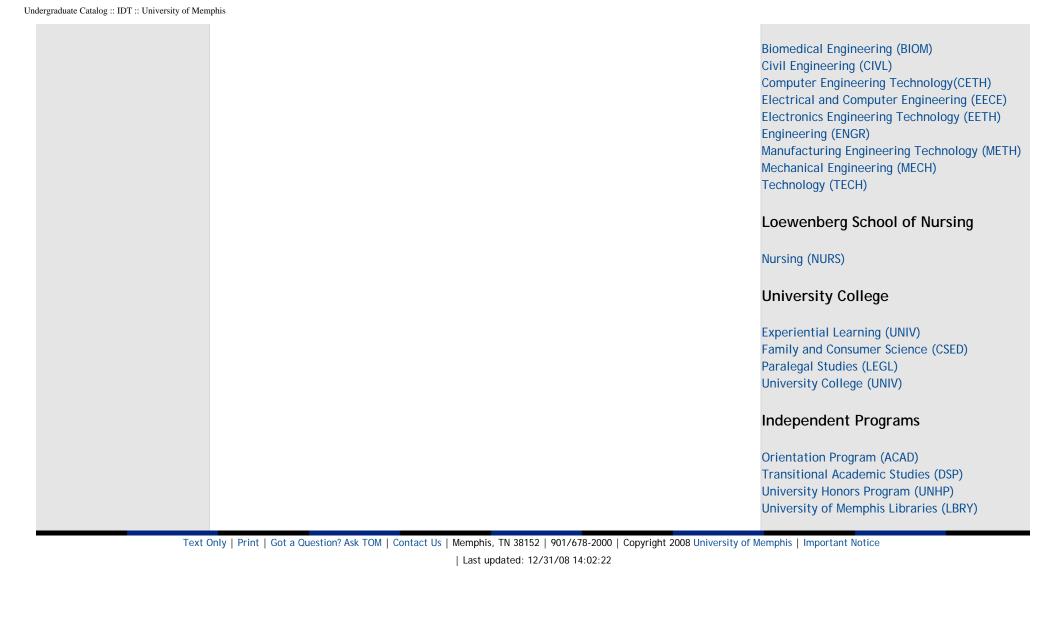
Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)









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Leadership

(LEAD) LEADERSHIP Larry Mcneal, Ph.D., Chair Room 113, Patterson Hall

http://coe.memphis.edu/lead/

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)

(EDSV 3350). Variety of learning patterns and developmental characteristics of adult emphasis on applications in programs or other activities for adult learners.

## LEAD 4000 - Educ/Schl/Am 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.

## **Course Descriptions**

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African and African American Studies (AAAS)

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Political Science (POLS)

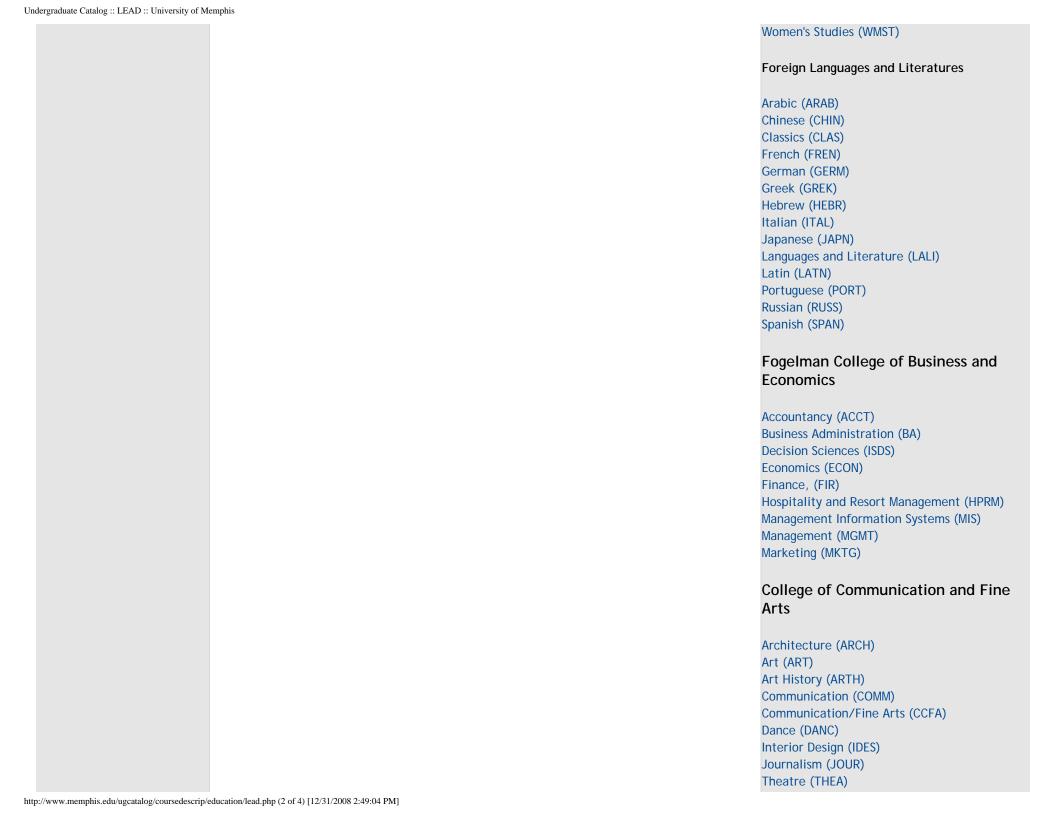
Open Learning Fire Services Program (PADM)

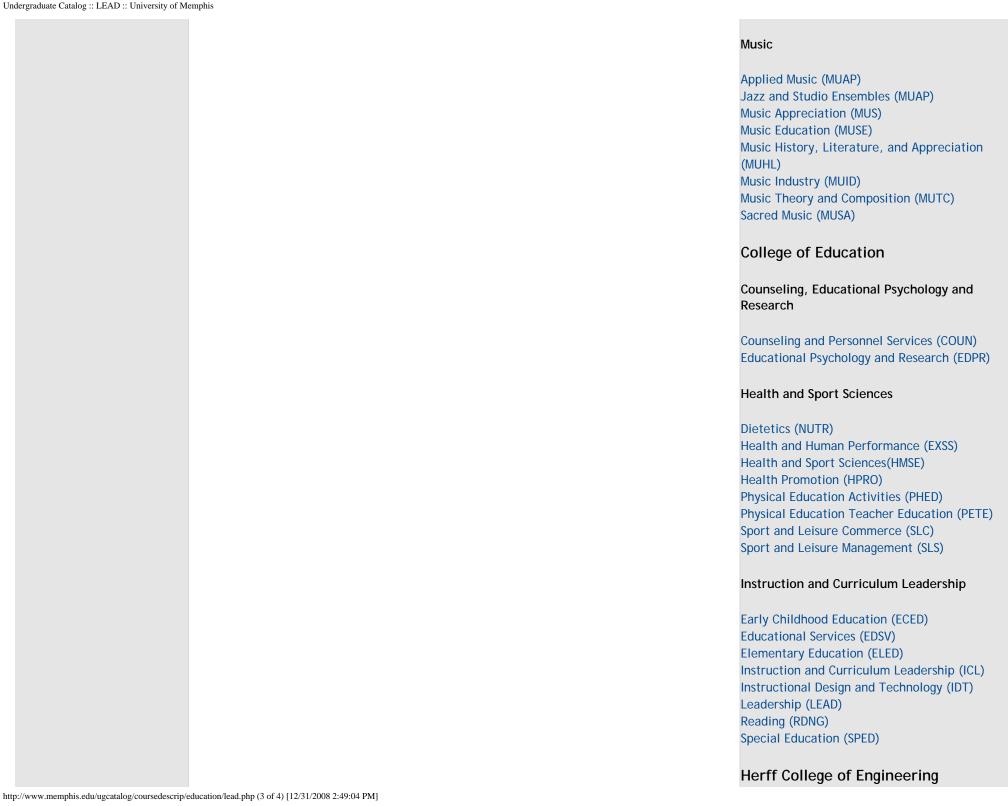
Public and Nonprofit Administration (PADM)

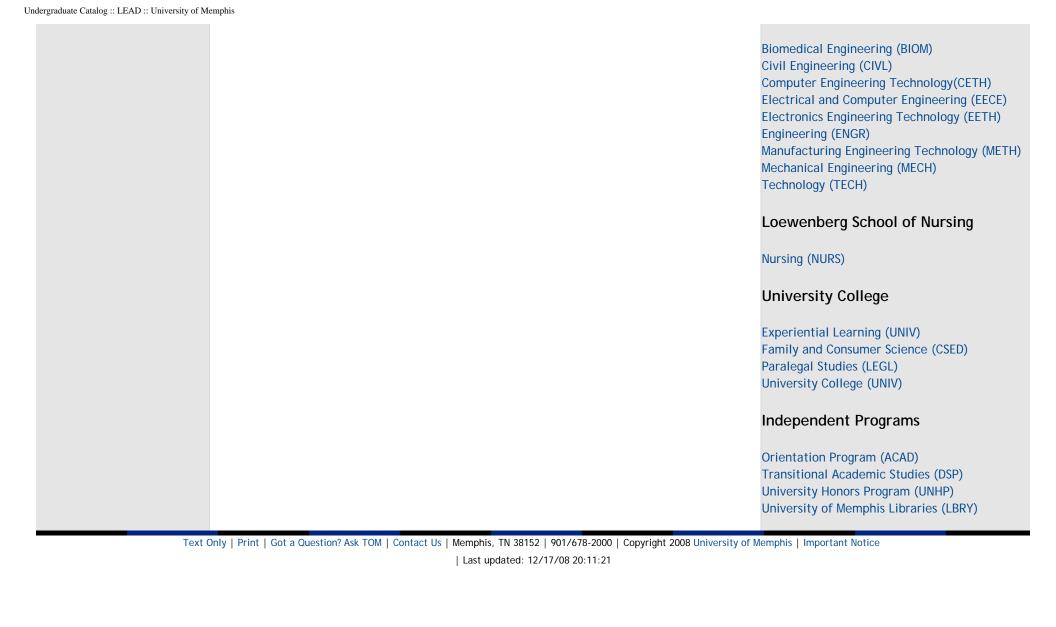
Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)









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Reading

## (RDNG) READING

Department of Instruction and Curriculum Leadership Rebecca Anderson, Ph.D., Chair Room 106D, E.C. Ball Hall http://icl.memphis.edu/

## RDNG 4240 - Literacy in Grades K-4 (3)

(ELED). Cognitive view of literacy processes in developmental perspective; material and methods of teaching; assessing listening, speaking, reading, writing, and thinking. PREREQUISITE: Admission to TEP. Fourteen hours field experiences. [W]

## RDNG 4241 - Literacy in Grades 5-8 (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. Fourteen hours field experiences. PREREQUISITE: admission to TEP and ELED 4240.

## **Course Descriptions**

## College of Arts and Sciences

Aerospace Studies (AERO)

African and African American Studies (AAAS)

Anthropology (ANTH)

Biology (BIOL)

Chemistry (CHEM)

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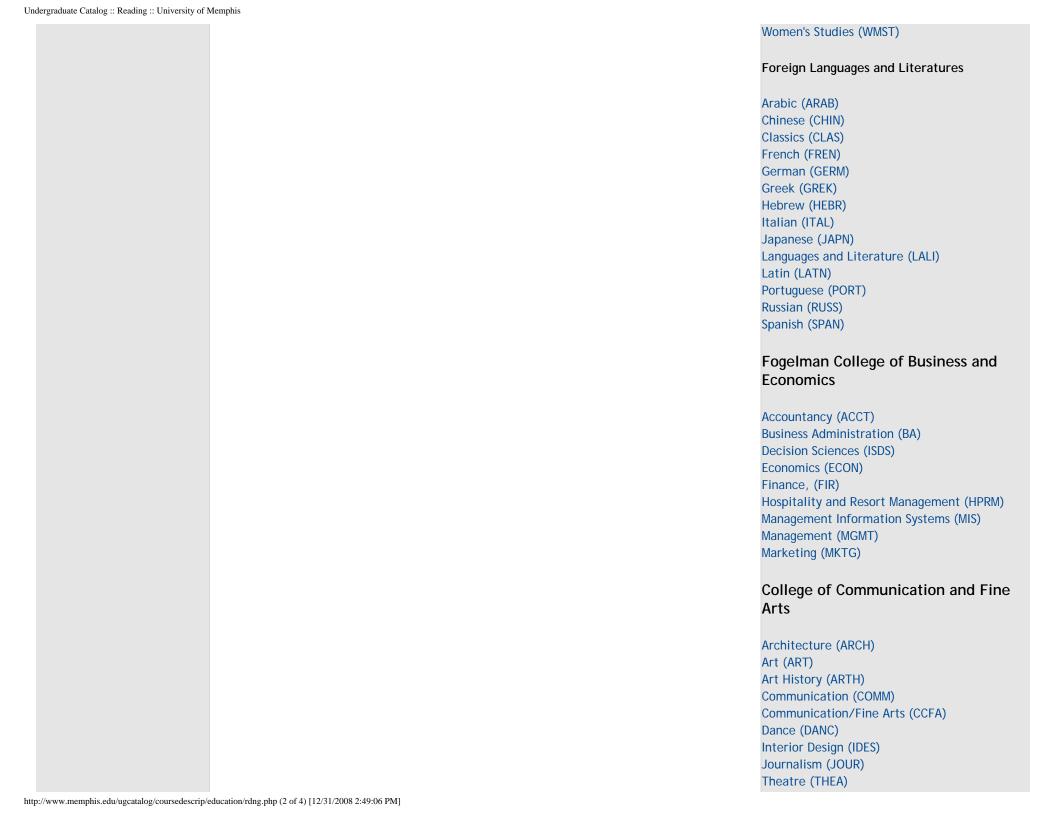
Open Learning Fire Services Program (PADM)

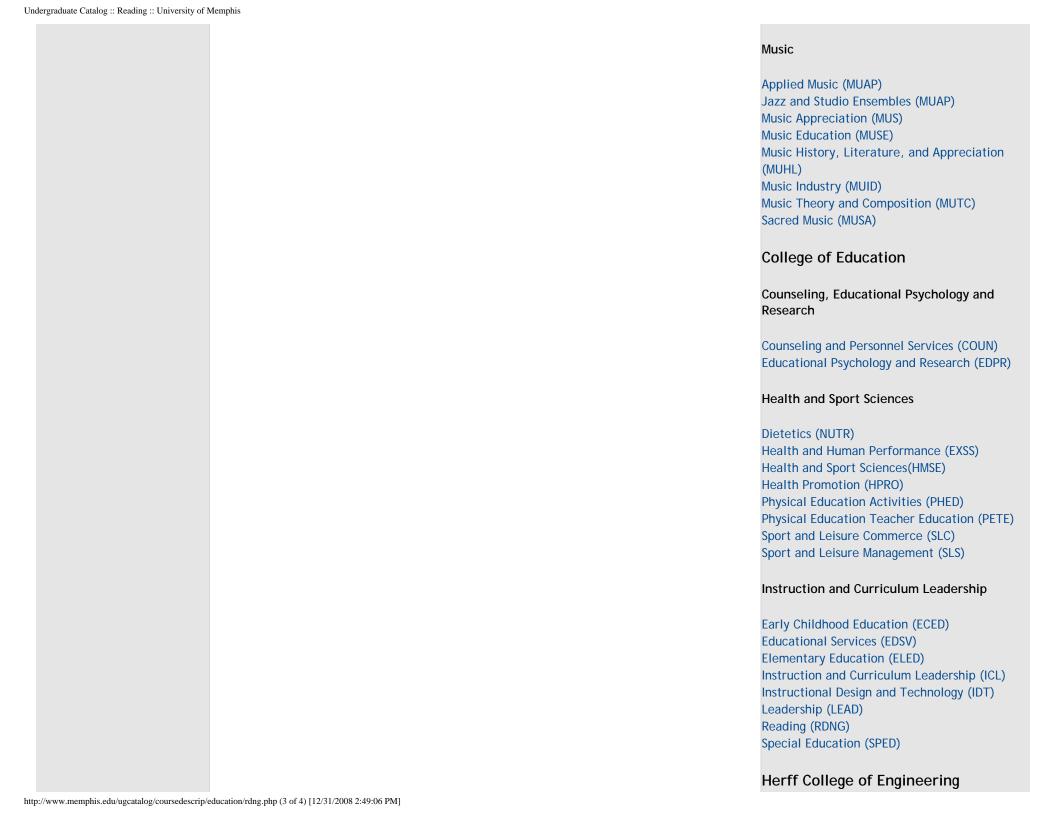
Public and Nonprofit Administration (PADM)

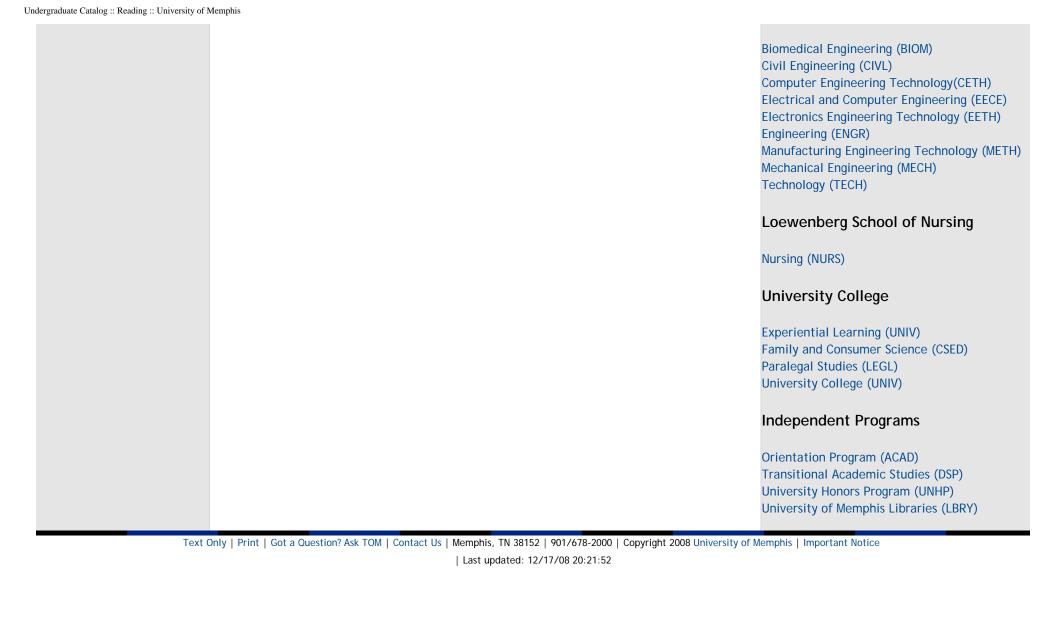
Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)









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Special Education

## (SPED) SPECIAL EDUCATION

Department of Instruction and Curriculum Leadership Rebecca Anderson, PhD., 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)

Overview of special education including historical and legal perspectives of the field, characteristics of each exceptionality, and educational and community services utilized by exceptional persons and their families. Field experience: 5 hours.

## SPED 3002 - Indep Stdy Spec Educ (1-6)

Opportunity for self-directed study and/or research under supervision. PREREQUISITE: consent of department.

## SPED 3201 - Behv Supt Stdnt Div 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 3401 - Academic Suprt Div Lrns (3)

Historical and current practices in providing services for students with learning disabilities 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)

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Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

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 3501 - Suprt Sdnt Mental Retrd (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 3800 - Methods I/Instruct/Literacy (3)

Curriculum, methods, and materials applicable to special educational needs of learners with mild disabilities in primary, intermediate and secondary levels; emphasis on programming techniques and implementation of appropriate interventions in special education or regular settings PREREQUISITE/COREQUISITE: see NOTE above.

#### SPED 3801 - Practicum/Inclusive Settings (2-3)

Planning and implementation of special education methods and materials with learners having mild disabilities. Practicum: 90 hours.

### SPED 3802 - Assessment of Learners (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. PREREQUISITE/COREQUISITE: see NOTE above.

#### 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. PREREQUISITE/COREQUISITE: see NOTE above.

## SPED 4000 - Meth/Mat Modrt/Sevr 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 Dsblty Pract (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 4513 - Asst 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 programming; familiarity with available community resources and interagency collaboration; augmentative/alternative communication. PREREQUISITE: SPED 3501 or 4900.

## SPED 4601 - Student Phys/Health Dis (3)

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)

**Decision Sciences (ISDS)** 

**Economics (ECON)** 

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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Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

(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 - Consultn 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.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

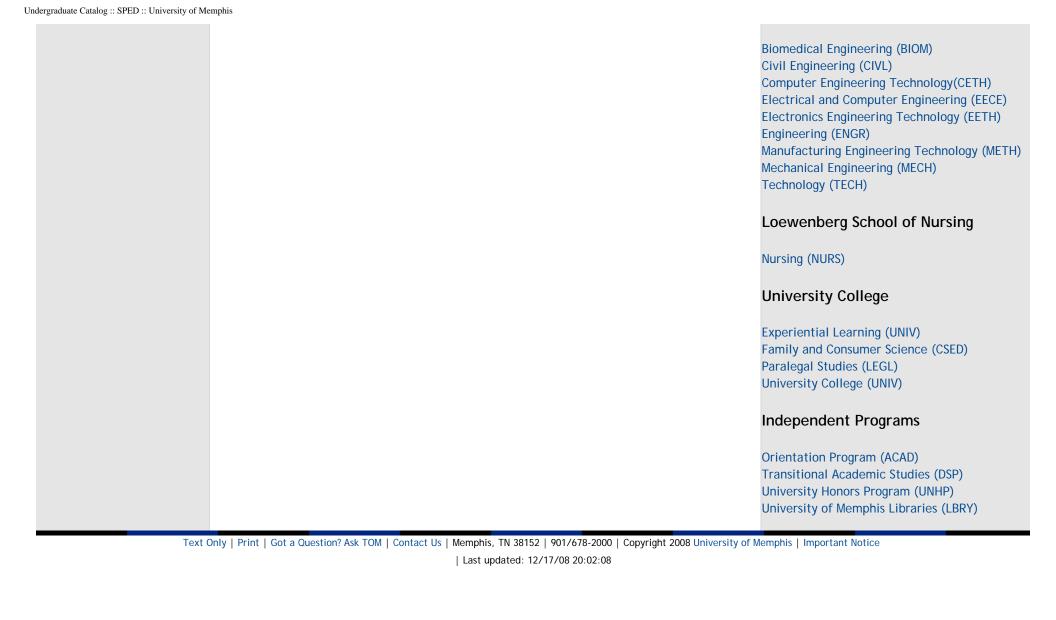
Instructional Design and Technology (IDT)

Leadership (LEAD)

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## Herff College of Engineering





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Biomedical Engineering

(BIOM) BIOMEDICAL ENGINEERING

Eugene C. Eckstein, Ph.D., 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 Biom Engr/Biotec (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 Biom 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 Measuremt (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. COREQUISITE: PHYS 2120.

BIOM 2720 - Experimental Dsgn Anlys (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.

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

## BIOM 3710 - Physiological Sys/Model (3)

Fundamentals of control theory and mathematical modeling and analysis as applied to physiological systems. PREREQUISITE: MATH 3120. COREQUISITE: BIOL 1120.

#### BIOM 4205 - Intro Chemical Sensors (3)

Measurement techniques and recognition processes; application of chemical sensors and biosensors to analysis of real samples.

#### 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: permission of instructor.

#### BIOM 4702 - Tools/BIOM Research (3)

Biochemical and biophysical measurement techniques; light spectroscopy, gel exclusion and affinity chromatography, electrophoresis, immunoblotting, radioisotropic methods. PREREQUISITE: 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)

(3730). Synthetic materials and their interaction with the physiological environment; methods to Business Administration (BA) 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: MECH 2332, 3320, or permission of instructor. COREQUISITE: BIOL 1120.

## BIOM 4760 - Biomed Engr Design Prin (3)

Practical design methods; wave propagation in tissue; flow in cardiovascular systems; circulatory Arts assist-devices; total artificial hip; high frequency ventilation; cardiac pacemakers; intensivecare monitoring; drug delivery systems. PREREQUISITE: BIOL 3030 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. COREQUISITE: BIOM 4760.

## 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)

**Decision Sciences (ISDS)** 

**Economics (ECON)** 

Finance, (FIR)

Hospitality and Resort Management (HPRM)

Management Information Systems (MIS)

Management (MGMT)

Marketing (MKTG)

## College of Communication and Fine

Architecture (ARCH)

Art (ART)

Art History (ARTH)

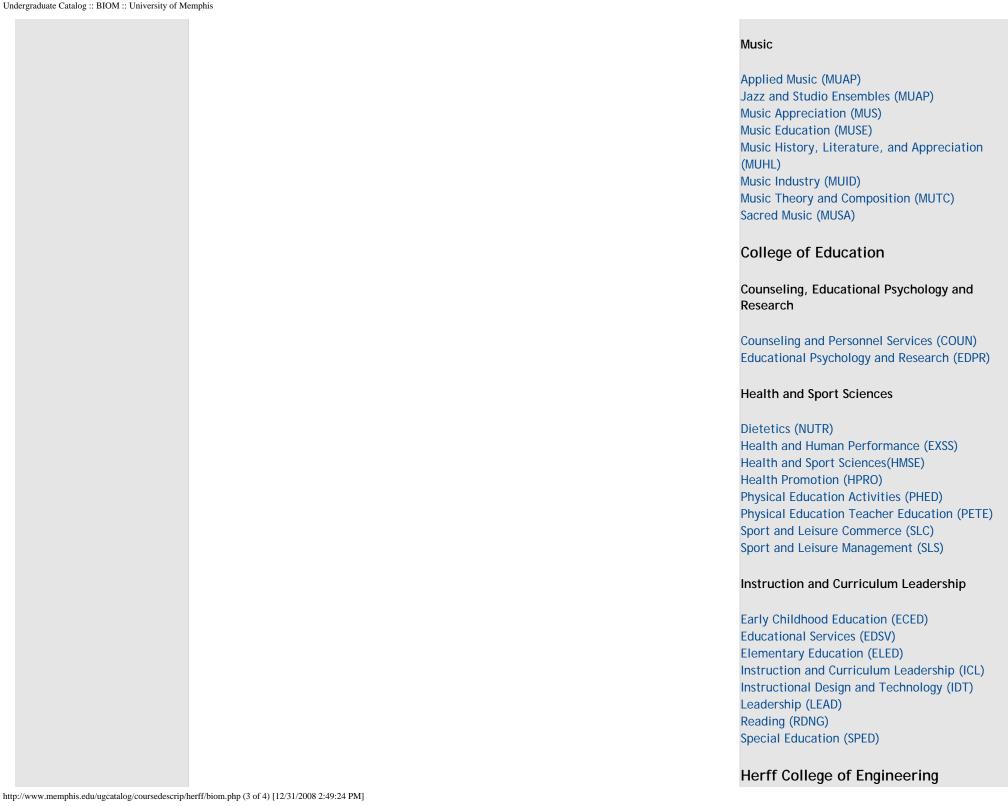
Communication (COMM)

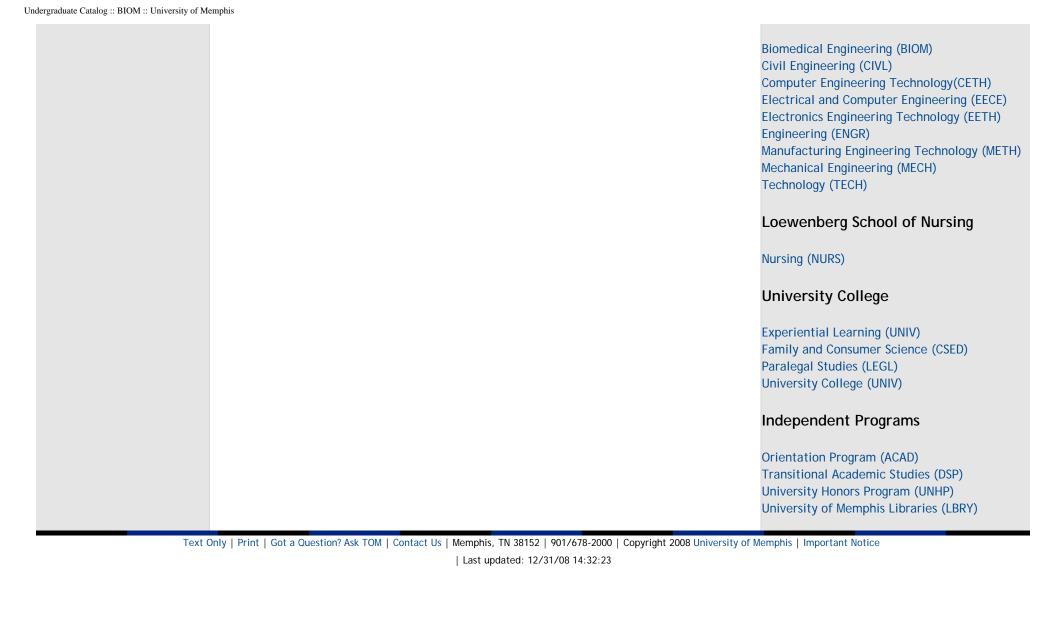
Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)







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Civil Engineering

(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 - Civl 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 Mathematics (MATH) hours per week.

#### CIVL 1112 - Civl 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. PREREQUISITE or COREQUISITE: MATH 1910 and ENGL 1020.

## CIVL 2101 - Civil Engr Visualizatn (3)

Using engineering drawings and computer-aided drafting packages to communicated information Social Work (SWRK) and solve engineering problems; emphasis on group work, project documentation, and oral presentation. Two lecture hours, three laboratory hours per week. PREREQUISITE: CIVL 1112.

## **Course Descriptions**

## College of Arts and Sciences

Aerospace Studies (AERO)

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Biology (BIOL)

Chemistry (CHEM)

Computer Science (COMP)

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Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Sociology (SOCI)

#### 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/Uncert 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 - Des Of Steel Structures (3)

Current design concepts for structural steel members and their connections. Three lecture hours per week. PREREQUISITE: CIVL 3121, 3322.

#### CIVL 3137 - Civl 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: CIVL 3322.

#### CIVL 3140 - Environmental Sys 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: CIVL 3180.

#### CIVL 3161 - Transp 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: CIVL 2107, MECH 2332, MATH 2110. 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 Communication (COMM) open channel systems. Three lecture hours per week. PREREQUISITE: CIVL 2107, MECH 2332.

### CIVL 3181 - Hydraulics & Hydrology (3)

Quantification of precipitation and runoff, reservoir and channel routing, groundwater, and design of drainage systems and open channels. Three lecture hours per week. PREREQUISITE: Women's Studies (WMST)

### Foreign Languages and Literatures

Arabic (ARAB)

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Greek (GREK)

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Spanish (SPAN)

# Fogelman College of Business and **Economics**

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Marketing (MKTG)

# College of Communication and Fine Arts

Architecture (ARCH)

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Art History (ARTH)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

CIVL 3180.

#### CIVL 3182 - Hydraulics/Hydrolgy 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 - Mech Of Materials Lab (1)

Materials testing and evaluation. Three laboratory hours per week. PREREQUISITE or COREOUISITE: 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 - Inter 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 - Reinf 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 Rein Concr Design (3)

Design of two-way slab systems; column design including length effects; current code provisions. Sport and Leisure Management (SLS) Three lecture hours per week. PREREQUISITE: CIVL 4135, PREREQUISITE or COREQUISITE: CIVL 4122.

### CIVL 4140 - Environmentl 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/Chem 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 wastewater treatment system components. Three lecture hours per week. PREREQUISITE: CIVL 3140.

#### CIVL 4144 - Biol Wastewater Treat (3)

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

# 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)

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 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 Plnng & 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 & 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 - Construc Engineering I (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 4172 - Construc Engineering II (3)

Application of construction engineering and management methods to estimate, bid, plan, and manage actual engineering construction project in safe, efficient manner. Three lecture hours per week. PREREQUISITE: CIVL 4171.

#### CIVL 4180 - Adv Hydrology/Hydraulics (3)

Current methods and techniques used in hydrologic and hydraulic analysis for the design of

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

# **University College**

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

# **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

water resources projects; watershed hydrology, groundwater hydrology, flood frequency analysis, flood plain management, hydraulic structures, hydraulic machinery, and project feasibility. Three lecture hours per week. PREREQUISITE: CIVL 3181.

#### CIVL 4190 - Water Resrc 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 Proj (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 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: ENGL 3603. [W, I]

#### CIVL 4904 - Prof Practice/Civil Engr (3)

Topics are varied and in online class listings.

#### 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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### Computer Engineering Technology

#### (CETH) COMPUTER ENGINEERING TECHNOLOGY

Department of Engineering Technology Deborah J. Hochstein, M.S., Chair Room 203, Engineering Technology Building http://www.et.memphis.edu

#### CETH 1211 - Computer Programming (3)

Computer usage in engineering technology; emphasis on use of computer programming in solving technical problems using C. Three lecture hours per week. PREREQUISITE: TECH 1010.

#### CETH 2251 - Adv Programming Tech (3)

Principles of computer programming applicable to engineering technology using C++; algorithmic problem solving, coding in a structured high level language, subprograms and parameters, control structures, I/O, complex arithmetic, and double precision operations emphasized. Three lecture hours per week. PREREQUISITE: CETH 1211.

#### CETH 2261 - Data Structures (3)

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. Three lecture hours per week. PREREQUISITE: CETH 2251.

#### CETH 3232 - Digital Technology (4)

Numbering systems and codes, logic gates, Boolean algebra, Combinational logic, TTL circuits, and memory devices. Three lecture hours, three laboratory hours per week. PREREQUISITE: EETH 1811.

## CETH 3233 - Microprocessor Tech (4)

Computer history and architecture; microprocessor and microcomputer operation; fetching and executing instructions; microcode; microprocessor registers; memory addressing modes; assembly-language instructions; assembler operation. Three lecture hours, three laboratory

# **Course Descriptions**

# College of Arts and Sciences

Aerospace Studies (AERO)

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Anthropology (ANTH)

Biology (BIOL)

Chemistry (CHEM)

Computer Science (COMP)

Criminology and Criminal Justice (CJUS)

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Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

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Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

hours per week. PREREQUISITE: CETH 1211 and 3232, EETH 2821.

#### CETH 3251 - Assembly Language Prgrm (4)

(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: CETH 3233.

#### CETH 3281 - Cmptr Aided Circ Dsgn (4)

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: EETH 2831, CETH 3232.

#### CETH 4234 - Microproc Intrface Tech (4)

Analysis and design of microprocessor based hardware and software. Interfacing microprocessors to volatile and non-volatile memory devices and to parallel and serial input/output devices using digital logic devices. Assembly language programs are used to verify operation of the hardware. Three lecture hours, three laboratory hours per week. PREREQUISITE: CETH 3233, EETH 2831 and TECH 3044.

#### CETH 4241 - Internet Technology (3)

Internet servers and protocols; e-mail using Simple Mail Transfer Protocol (SMTP), World Wide Web (WWW), Transmission Control Protocol/Internet Protocol (TCP/IP), Telnet Protocol, Hypertext Transport Protocol (HTTP), Hypertext Markup Language (HTML), File Transfer Protocol (FTP), and Uniform Resource Locator (URL). Three lecture hours per week. PREREQUISITE: CETH 2251.

#### CETH 4242 - Client Application Tech (3)

Hypertext Markup Language (HTML), XML, and script languages. Three lecture hours per week. PREREQUISITE: CETH 4241, or permission of instructor.

#### CETH 4262 - Modern Programming (4)

Application of Java and Java Script programming languages to problems from selected area of engineering technology; data collecting, modeling techniques, constraints, program development and validation; interfacing with peripherals and machine language. Three lecture hours, three laboratory hours per week. PREREQUISITE: CETH 2261.

#### CETH 4263 - Server Application Tech (4)

Java exception handling, multithreading, files and streams; JDBC, Servlets, JSP, and JavaBeans server side software. Three lecture hours, three laboratory hours per week. PREREQUISITE: CETH 4262, or permission of instructor.

#### CETH 4272 - Operating Systems (4)

Memory management, processor management, devise management, and file management; MS-DOS operating system, Windows NT, UNIX operating system, VAX/VMS operating system. Three lecture hours, three laboratory hours per week. PREREQUISITE: CETH 2261 and 3233, or permission of instructor.

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

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Hebrew (HEBR)

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# Fogelman College of Business and Economics

Accountancy (ACCT)

**Business Administration (BA)** 

Decision Sciences (ISDS)

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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)

#### CETH 4281 - Computer Network Tech (4)

Local area networks; interconnecting computers and peripherals; installation of network hardware and software; data communications between computers; sharing peripherals. Three lecture hours, three laboratory hours per week. PREREQUISITE: CETH 3232, EETH 2820.

#### CETH 4944 - Senior Thesis (3)

(Same as EETH 4944, METH 4944). Study and research in specific area culminating in an integrating experience through individual and/or group projects and technical reports. PREREQUISITE: METH 3440 and either ENGL 3601 or 3603, and senior with two semesters of graduation. Permission of department required.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

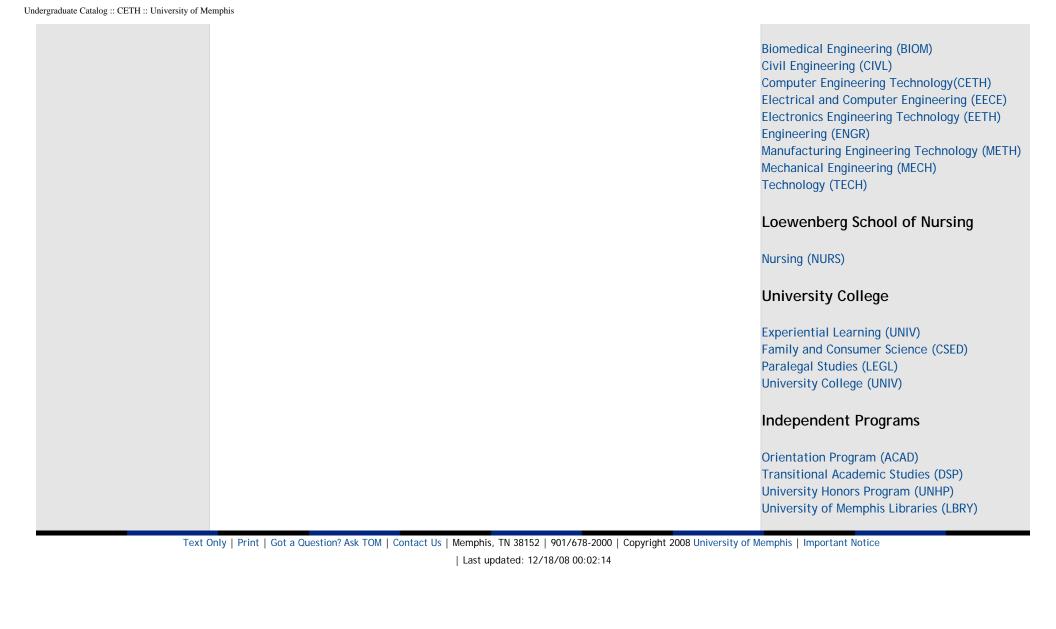
Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

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Electrical and Computer Engineering

(EECE) ELECTRICAL AND COMPUTER ENGINEERING

David J. Russomanno, Ph.D., Chair Room 206, Engineering Science Building http://www.ee.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:

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 engineering concepts and models; DC circuits; introduction to computers and computer ethics; use of text processors and spreadsheets. PREREQUISITE: MATH 1710 or 1730.

EECE 1206 - Comp 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 - Elect Engr Computations (3)

(ELEC). Structured solutions to electrical engineering problems through use of computers. PREREQUISITE: EECE 1202 or sophomore standing.

EECE 1208 - Intro Comp Engineer Lab (1)

ELEC. Laboratory techniques in solutions to computer engineering problems; software/hardware

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

development tools. COREQUISITE: EECE 1207.

#### EECE 2201 - Circuit Analysis I (3)

(ELEC). Fundamental properties of electrical circuits; basic concepts and circuit elements; network theorems; steady-state and transient analyses. 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)

(ELEC). 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.

#### 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.

#### EECE 2283 - Elec Engr/Instruntation (3)

Analysis of electrical circuits, sinsoidal 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)

(ELEC). 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 3202 - Transform Meth/Network (3)

(ELEC). Introduction to transform theory; Fourier Series; application of Fourier, Laplace and Ztransforms to solution of network problems. PREREQUISITE: EECE 2201, MATH 3120. [C]

#### EECE 3211 - Electronics I (3)

(ELEC). Solid state devices as elements of electronic circuits; linear models and linear operation of these devices emphasized. PREREQUISITE: EECE 2201.

#### EECE 3212 - Electronics II (4)

(ELEC). 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)

(ELEC). Emphasis on laboratory techniques in performance of basic electronic experiments.

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)

**Decision Sciences (ISDS)** 

**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)

COREQUISITE: EECE 3211.

#### EECE 3220 - Computer Software Engr (3)

(ELEC). Introduction to software engineering; metrics, estimation, and planning; system and software requirements analysis; hardware-software interactions and effects on the design process; software design and implementation techniques; software integrity issues, quality assurance, testing, reliability and maintenance; software development tools. PREREQUISITE: COMP 3160, or permission of instructor.

#### EECE 3221 - Matrix Computer Methods (3)

(ELEC). 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. [C]

#### EECE 3240 - Em Field Theory (3)

(ELEC). Maxwell's equations electrostatics, magnetostatics and time varying electromagnetic fields and waves. PREREQUISITE: MATH 3120. [C]

#### EECE 3270 - Intro To Microprocessor (4)

(ELEC). (4270). LSI circuitry, microprocessor architecture, hardware and software integration, application and system design. Three lecture hours, three laboratory hours per week. PREREQUISITE: EECE 2222.

#### EECE 4201 - Energy Conversion (3)

(ELEC). Energy conversion by electromechanical processes, energy relations in magnetic systems, mathematical modeling of magnetic systems, transformers and electrical machines. PREREQUISITE: EECE 2283 OR 3201. [C]

#### EECE 4202 - Electric Power Systems (3)

(ELEC). 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)

(ELEC). 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 Sys (3)

(ELEC). 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.

## EECE 4213 - Antenna Theory/Design (3)

(ELEC). Theory of operation and design of antennas; determination of antenna radiation characteristics; introduction to antenna array theory. PREREQUISITE: MATH 3120.

### EECE 4214 - Em Fields Laboratory (1)

Laboratory techniques associated with frequencies above 100 MHz. COREQUISITE: EECE 4215.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

#### EECE 4215 - Applied Em Fields (3)

Steady state and transient solutions of transmission line equations; plane waves; antennas in telecommunications. PREREQUISITE: MATH 3120.

#### EECE 4221 - Electronics III (4)

(ELEC). 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/Comp Dsgn (3)

(ELEC). Applications of digital system design using MSI, LSI, and VLSI circuits; design of arithmetic logic units, multiple-input controllers, and practical interfacing techniques. PRFREQUISITE: FFCF 2222.

#### EECE 4230 - Data Communicatin System (3)

(ELEC). Data communications in information and computing systems; analog and digital means of Nursing (NURS) transmitting and controlling information; organization and requirements of data communication systems including modulation and demodulation, multiplexing, switching, error detection and correction. PREREQUISITE: EECE 3202.

#### EECE 4231 - Communication Theory (3)

(ELEC). Frequency and time domain; modulation, random signal theory, autocorrelation; noise, communication systems. PREREQUISITE: EECE 3202 and MATH 4635.

#### 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 3202 and MATH 4635.

#### EECE 4235 - Probabilistic System Analysis (3)

(ELEC). Analysis of discrete signals and analog signals with random components; autocorrelation, University of Memphis Libraries (LBRY) cross-correlation and power spectra applied to various signals; effects of filters determined; measuring, modeling, and predicting performance of computer systems; entropy and optimum algorithm development; Markovian queuing systems and networks. PREREQUISITE: EECE 3202 and MATH 4635.

#### EECE 4241 - Solid State Physic Elet (3)

(ELEC). Quantum concepts; statistics; crystal structure; conduction processes in solids; p-n junctions and devices; field-effect devices; charge transfer devices. PREREQUISITE: EECE 3211. [C]

#### EECE 4242 - Electro-Optics (3)

(ELEC). 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)

(ELEC). Review of Fourier techniques for analysis and design of linear systems, extension to 2-

Biomedical Engineering (BIOM) Civil Engineering (CIVL) Computer Engineering Technology(CETH) **Electrical and Computer Engineering (EECE)** Electronics Engineering Technology (EETH) Engineering (ENGR) Manufacturing Engineering Technology (METH) Mechanical Engineering (MECH) Technology (TECH)

# Loewenberg School of Nursing

# **University College**

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

## **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP)

dimensional techniques, 2-dimensional transform applied to linear optical systems and optical data processing. PREREQUISITE: EECE 3202.

#### EECE 4251 - Control System Engr (3)

(ELEC). 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 3202, 3221.

#### EECE 4252 - Digital Control Systems (3)

(ELEC). Problems and analysis techniques applicable to digital control systems. Prior knowledge of Laplace transforms required; basic knowledge of feedback control theory desirable. PREREQUISITE: EECE 3202, 3221.

#### EECE 4253 - Control Systems Lab (1)

(ELEC). 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.

#### EECE 4254 - Digital Control Sys Lab (1)

(ELEC). 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)

(ELEC). 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)

(ELEC). Procedural and object-oriented programming techniques using C and C++. Introduction to UNIX. PREREQUISITE: EECE 3221, or equivalent.

#### EECE 4273 - Database Engineering (3)

(ELEC). 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)

(ELEC). Introduction to engineering of computer networks, network hardware, and network software; design of software systems for network applications. PREREQUISITE: EECE 1207 and EECE 3221.

#### EECE 4276 - Adv Network Programming (3)

(ELEC). 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)

(ELEC). Architecture and instruction sent 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 3202.

#### 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 Develop (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 - Elec/Comp Engr Design (3)

(ELEC). 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 3202, 4279, and either EECE 3212, or 4221; for BSCP degree: ENGL 3603, EECE 3202, 3220, 4278, and 4279. [W, I]

#### 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 Comp 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 4720 - Intro Artificial Intelg (3)

(Same as COMP 4720). (ELEC). 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). (ELEC). 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 4991 - Elec & Comp Projects I (1-3)

(ELEC). 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 - Elec & Comp Projects II (1-3)

(ELEC). 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)

(ELEC). 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. [W, I]

#### EECE 4999 - Honors Thesis (3)

(ELEC). 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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Electronic Engineering Technology

(EETH) ELECTRONICS ENGINEERING TECHNOLOGY

Department of Engineering Technology
Deborah J. Hochstein, M.S., Chair
Room 203, Engineering Technology Building
http://www.et.memphis.edu

In addition to the courses below, the department may offer the following Special Topics courses: **EETH 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.

#### EETH 1811 - Electronic Circuit Tech (3)

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.

#### EETH 2812 - Basic Indus Cntrl Devic (3)

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: EETH 1811.

#### EETH 2813 - Indstr Cntrl Systems (3)

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: EETH 2812.

#### EETH 2820 - Circuit Analysis (4)

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: EETH 1811.

**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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Interdisciplinary Studies (INTD)

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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)

Social Work (SWRK)

Sociology (SOCI)

#### EETH 2821 - Solid State Technology (3)

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: EETH 1811.

#### EETH 2831 - Adv Solid State Tech (3)

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: EETH 2820, 2821, MATH 1910.

#### EETH 3811 - Electronic Communctn (3)

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: EETH 2831, TECH 3044.

#### EETH 3812 - Adv Electronic Comm Technology (3)

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: EETH 3811.

#### EETH 3821 - Industrial Electronics (3)

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: EETH 2831, TECH 3044.

#### EETH 3822 - Progrmbl Logic Cntrl (4)

Theory and operation of programmable logic controllers; emphasis on practical industrial applications and programming techniques. Three lecture hours, three laboratory hours per week. PREREQUISITE: EETH 3821.

#### EETH 3841 - Elec Power/Motor Cntrl (3)

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: EETH 3821.

#### EETH 4821 - Microwave Technology (4)

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: EETH 3811.

#### EETH 4823 - Adv Program Logic Cntrl (3)

Advanced applications of programmable logic controllers, including analog I/O techniques and computer interfacing. Two lecture hours, three laboratory hours per week. PREREQUISITE: EETH 3822, or permission of instructor.

#### EETH 4944 - Senior Thesis (3)

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)

**Decision Sciences (ISDS)** 

**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)

(Same as CETH 4944, METH 4944). Study and research in specific area culminating in an integrating experience through individual and/or group projects and technical reports. PREREQUISITE: METH 3440, and either ENGL 3601 or 3603, and senior within two semesters of graduation. Permission of department required. [W, I]

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

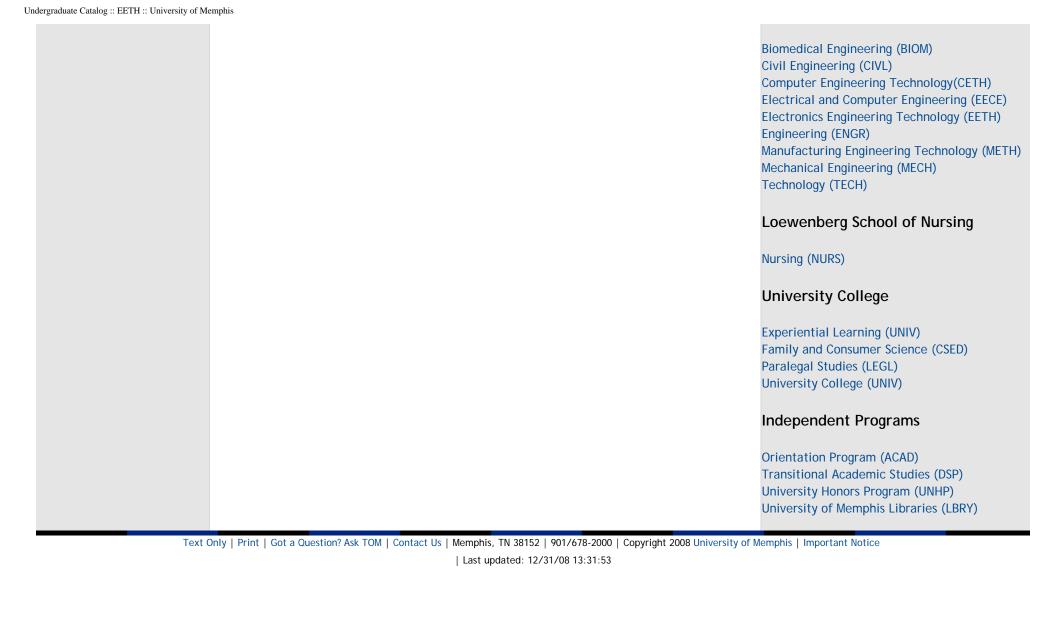
Instruction and Curriculum Leadership (ICL)

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Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

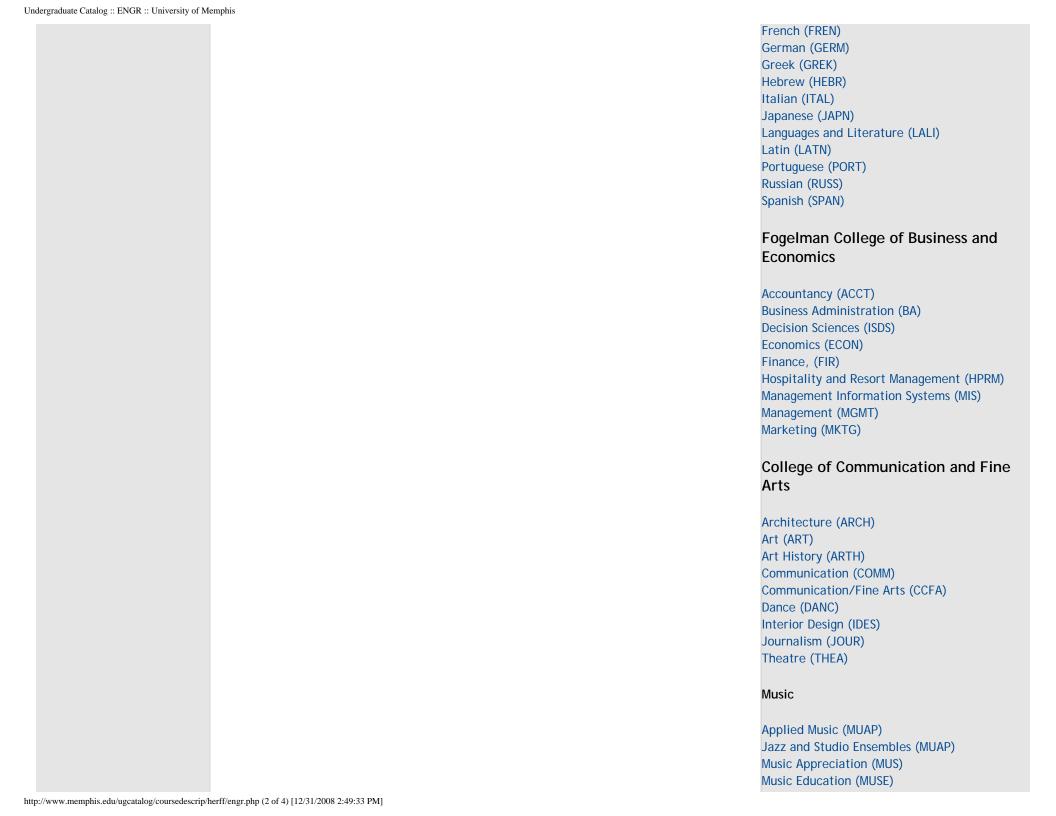


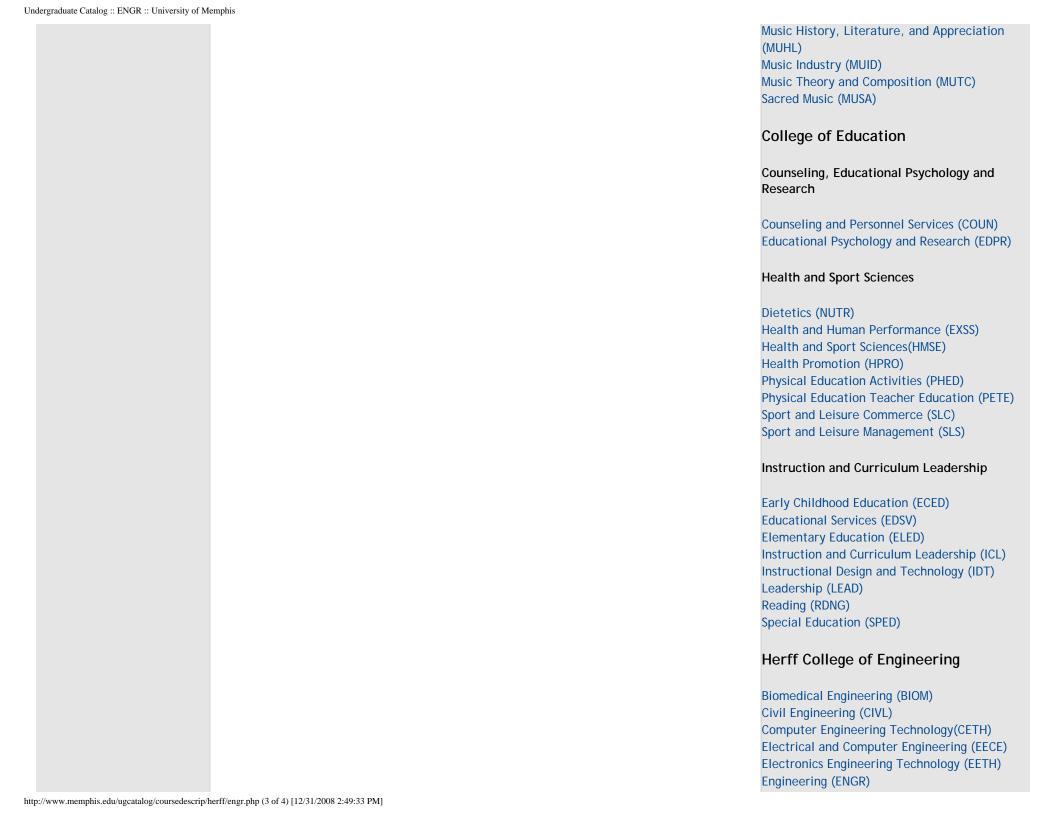


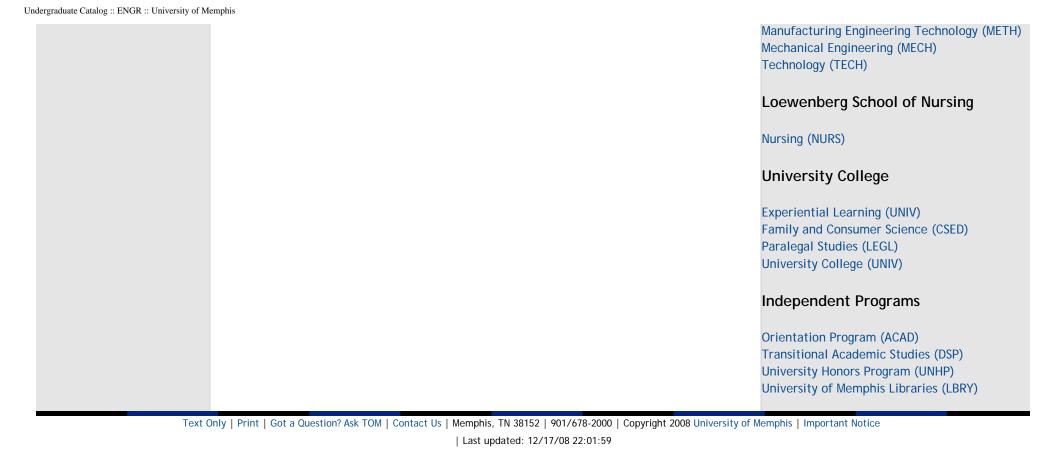
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Calendar 2008 - 2009	(ENGR) ENGINEERING	Course Descriptions
Degree Program and	Charles W. Bray, Ph.D., Associate Dean	
Planning	Room 201A, Engineering Science Building http://www.engr.memphis.edu/	College of Arts and Sciences
Description of the		Agrachago Studios (AEDO)
University	5NOD 4004 5 W 1 5 1 (6)	Aerospace Studies (AERO) African and African American Studies (AAAS
Services to Students	ENGR 4001 - Engr Work Experience (3)  Off-campus work experience working on selected projects in coordination with the department	Anthropology (ANTH)
Expenses	chair or chair's designee in student's major department under direction of practicing engineer.	Biology (BIOL)
	Oral and written presentations may be required. May be repeated as many times as student	Chemistry (CHEM)
Academic Regulations	chooses. PREREQUISITE: chair's and CO-OP director's approvals. NOTE: Students participating in	Computer Science (COMP)
Graduation from the	ENGR 4001 are considered to be full-time students for enrollment certification purposes.	Criminology and Criminal Justice (CJUS)
University	Undergraduate and graduate level engineering courses require an additional \$25 per credit hour.	Earth Sciences (ESCI) English (ENGL)
Colleges and Degree	NOTE: Students participating in ENGR 4001 are considered to be full-time students for	Health Administration (HADM)
Programs	enrollment certification purposes.	History (HIST)
Course Descriptions		Interdisciplinary Studies (INTD)
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spectrum		Statistics (MATH)
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Manufacturing Engineering Technology

(METH) MANUFACTURING ENGINEERING TECHNOLOGY

Department of Engineering Technology Deborah J. Hochstein, M.S., Chair Room 203, Engineering Technology Building http://www.et.memphis.edu

In addition to the courses below, the department may offer the following Special Topics courses: METH 4990-98. Special Topics. (1-3). Varied topics and in online class listings. May be repeated for a maximum of 6 hours credit. PREREQUISITE: permission of instructor.

#### METH 1711 - Manufact Process I (3)

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.

#### METH 3386 - Occupational Safety (3)

(TECH). Hazards and safety procedures for general industry and construction.

### METH 3401 - Strength Of Materials (3)

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.

# METH 3408 - Industrial Materials (3)

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, reports, and oral presentations. Two lecture hours, three laboratory hours per week. PREREQUISITE: METH 3401, 3462. COREQUISITE: METH 3421.

# **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

#### METH 3421 - Manufacturing Process II (3)

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: METH 1711. COREQUISITE: METH 3408.

#### METH 3440 - Project Cost Evaluation I (3)

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 future and annuity equivalent valuation; cash flow analysis; project cost and risk analysis; application of project management software. PREREQUISITE: TECH 3044.

#### METH 3462 - Industrial Statistics (3)

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.

#### METH 3573 - Dynamics/Design/Automation (3)

Analysis of rectilinear and curvilinear motion; kinematic analysis of mechanisms; design of mechanical systems; pulleys, gears, belts, motors. PREREQUISITE: TECH 3044, METH 3401, PHYS 2010/2011.

#### METH 4381 - Principles Of Supervsn (3)

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.

#### METH 4460 - Work Design/Imprvmnt (3)

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. COREQUISITE: MATH 4464.

#### METH 4462 - Statistical Qual Cntrl (3)

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. [C]

#### METH 4464 - Production Control Systems (3)

Functions of planning and controlling production and distribution operations; concepts of JIT, MRP, MRPII, ERP, and Japanese manufacturing techniques; analytical techniques and concepts for line balancing, production and process control, demand management and project management. COREQUISITE: METH 4460, or permission of instructor.

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)

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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)

#### METH 4466 - Facility Design (3)

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, reports and presentations. PREREQUISITE: METH 4460 and METH 4464, or permission of instructor.

#### METH 4472 - Computer Aided Drafting (3)

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, METH 1711, 3401.

#### METH 4474 - Automation and Robotics (3)

(TECH). Concepts of automation applied to production, distribution, and industrial robotics. Two lecture hours, three laboratory hours per week. PREREQUISITE: TECH 1010 or CETH 1211.

#### METH 4476 - Computer Aided Manufacturing (3)

(TECH). 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, METH 1711, 3421, and 4472.

#### METH 4571 - Tool Design (3)

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: METH 3401, 3421, 4472.

#### METH 4944 - Senior Thesis (3)

(Same as CETH 4944, EETH 4944). Study and research in specific area culminating in an integrating experience through individual and/or group projects and technical reports. PREREQUISITE: METH 3440 and either ENGL 3601 or 3603, and senior status within two semesters Physical Education Teacher Education (PETE) of graduation. Permission of department required.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

Sport and Leisure Commerce (SLC)

Sport and Leisure Management (SLS)

# Instruction and Curriculum Leadership

Early Childhood Education (ECED)

**Educational Services (EDSV)** 

Elementary Education (ELED)

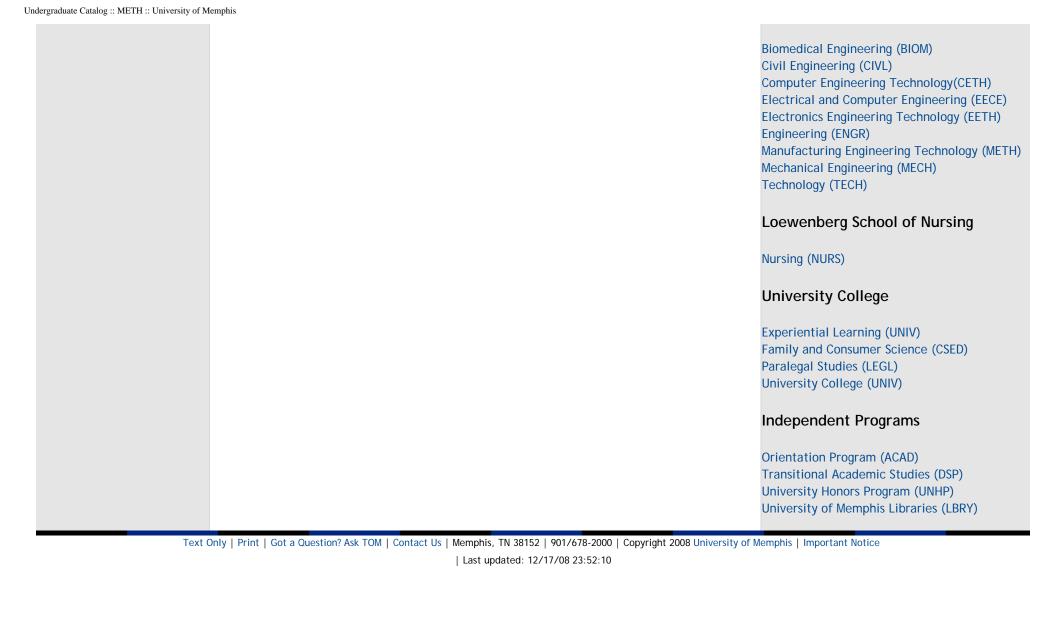
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Mechanical Engineering

(MECH) MECHANICAL ENGINEERING

John I. Hochstein, Ph.D., Chair Room 312A, Engineering Science Building http://www.me.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 MECH 4990-98. Special Topics in Mechanical Engineering. (1-3). Topics are varied and in online class listings.

#### MECH 1307 - Mech Engr Comp I (3)

Introduction to computing techniques used in engineering; general problem solving and graphing techniques; word processing fundamentals; the World Wide Web.

# MECH 1309 - Mech Engr Comp II (3)

Introduction to computer aided engineering tools; elementary computer programming; computer International Studies (INTL) aided drawing.

#### 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 2308 - Engineering Graphics (3)

Drafting techniques as used in engineering practice. Introduction to AutoCAD. Not credited toward degree in Mechanical Engineering.

MECH 2332 - Dynamics (3)

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# College of Arts and Sciences

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Political Science (POLS)

Open Learning Fire Services Program (PADM)

Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

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)

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 3120.

## MECH 3310 - Intro Thermal Systems (3)

Introduction to First and Second Laws of Thermodynamics and to conduction, convection, and radiation 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 2110.

#### MECH 3311 - Engr Thermodynamics I (3)

Laws of thermodynamics and their applications to engineering problems. PREREQUISITE: MATH 2110.

#### MECH 3312 - Engr Thermodynamics II (3)

Applications of thermodynamics laws; emphasis on real gases, real gas mixtures, combustion, gas cycles and vapor cycles. PREREQUISITE: MECH 3311, CHEM 1110/1111.

#### MECH 3320 - Engineering Materials (3)

(3361). 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 1110/1111. COREQUISITE: PHYS 2120/2121.

#### MECH 3321 - Kinematics/Dyn Machines (3)

Velocity and acceleration analysis of linkages and mechanisms; force analysis of linkages and mechanisms and machinery such as IC engines; gyroscopic forces and moment-of-inertia determination; dynamic balance of rotors and reciprocating masses. PREREQUISITE: MECH 2332, 3341.

#### 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.

#### MECH 3323 - Mech Design/Analysis (3)

Methodology and practice in designing machine components by integrating principles from

Women's Studies (WMST)

#### Foreign Languages and Literatures

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Classics (CLAS)

French (FREN)

German (GERM)

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Habrery /HEDE

Hebrew (HEBR)

Italian (ITAL)

Japanese (JAPN)

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Russian (RUSS)

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# College of Communication and Fine Arts

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Art (ART)

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Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

mechanics of materials, failure theory, fatigue, economics and other principles. PREREQUISITE: MECH 3322.

#### MECH 3325 - Materials Laboratory (1)

Materials testing and evaluation. Three laboratory hours per week. PREREQUISITE: MECH 3320; PREREQUISITE or COREQUISITE: MECH 3322.

#### MECH 3331 - Mechanics Of Fluids (3)

Statics and dynamics of fluids; applications to measurement of properties of water and air flows. PREREQUISITE: MECH 2332.

#### MECH 3335 - Fluids Lab (1)

Principles of fluid mechanics are demonstrated and verified; familiarization with instrumentation and techniques in organizing and reporting results of experimental investigations. Three laboratory hours per week. COREQUISITE: MECH 3331.

#### MECH 3341 - Mech Engr Analysis (3)

Engineering methods, classical analysis, computer techniques, and their interactions with mechanical engineering problems. COREQUISITE: MATH 3120. [C]

#### MECH 3395 - 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 third year of academic study and may be repeated for a maximum of 3 hours credit. PREREQUISITE: admission to the Honors Program.

#### MECH 4300 - Senior Seminar (1)

Ethics, professionalism, presentations. Senior Survey required. FE exam is recommended. PREREQUISITE: senior status or permission of instructor.

#### MECH 4305 - Intrmed Fluid Mechanics (3)

Continuation of MECH 3331; introduction to various topics in advanced fluid mechanics, including: flow over immersed bodies; open channel hydraulics; compressible fluid flow; turbomachinery; measurements in fluid mechanics; and, inviscid flow. PREREQUISITE: MECH 3331.

#### MECH 4309 - Gas Dynamics (3)

Concepts in compressible flow, emphasis on real and ideal gas dynamic effects and non-equilibrium flow; application of numerical methods. PREREQUISITE: MECH 3312, 3331.

#### MECH 4311 - Heat Transfer I (3)

Fundamentals of conduction, convection, and radiation heat transfer with emphasis on conduction and convection; introduction to heat exchanger design. PREREQUISITE: MECH 3331, 3341.

#### 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 technical

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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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Elementary Education (ELED)

Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)

report writing. PREREQUISITE: MECH 3312. [W]

#### MECH 4313 - Heat Transfer II (3)

Principles of boiling, condensing, and radiation heat transfer; fundamentals of heat exchanger design. PREREQUISITE: MECH 4311.

#### MECH 4314 - Fluid/Thermal Sys Desgn (4)

Design of piping systems; pipe size selection using economics; fluid meter selection; prime movers and piping systems; heat exchanger analysis, selection and design; economics of heat exchanger selection; analysis of fluid/thermal components as a system. Group project required. PREREQUISITE: MECH 4311. [I]

#### MECH 4315 - Heat Ventil & Air Cond (3)

Psychrometric analyses, heating and cooling loads of buildings and analysis of air conditioning systems. PREREQUISITE: MECH 4311.

#### MECH 4320 - Mech Of Materials II (3)

Stress-strain analyses of thin-walled cylinders and spheres, springs, laterally loaded struts, struts University College with initial curvature, rotating disks and cylinders; plastic yielding of beams and shafts; introduction to energy methods. PREREQUISITE: MECH 3320, 3322.

#### MECH 4322 - Mechanical Design (3)

Analytical treatment of methods used in design process including creativity, probability, and optimization as applied to design process, from concept through preliminary design to final design. PREREQUISITE: MECH 3323.

#### MECH 4323 - Machine Design (4)

Mechanical concepts and analysis applied to machine design. Integrating finite element method statistical analysis and computerized design into design projects. Design projects accomplished through individual, team and class approaches. COREQUISITE: MECH 4322.

#### MECH 4324 - Computer Meth/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 Sy Anly-Mech (3)

(3326). Introduction to concepts used in analyzing living systems. Simulation of body functions 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 Materls (3)

Introduction to fiber reinforced composite materials. Includes mechanical behavior, strength,

Biomedical Engineering (BIOM) Civil Engineering (CIVL) Computer Engineering Technology(CETH) Electrical and Computer Engineering (EECE) Electronics Engineering Technology (EETH) Engineering (ENGR) Manufacturing Engineering Technology (METH) Mechanical Engineering (MECH) Technology (TECH)

# Loewenberg School of Nursing

Nursing (NURS)

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

# **Independent Programs**

Orientation Program (ACAD) Transitional Academic Studies (DSP) University Honors Program (UNHP) University of Memphis Libraries (LBRY) design methodology, and implementation of computer aided design. PREREQUISITE: MECH 3320, 3322, 3341.

#### MECH 4331 - Turbomachinery (3)

Basic principles of fluid mechanics and thermodynamics with application to rotating devices; ideal and actual operating characteristics of pumps, fans, turbines and compressors; constraints on design of real systems. PREREQUISITE: MECH 3331.

#### MECH 4333 - Aerospace Proplsn 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 - Thermdy/Heat Transf Lab (1)

Instrumentation and measurement techniques used in thermodynamics and heat transfer studies; experimental verification of basic principles with emphasis on organizing and reporting of results. Three laboratory hours per week. COREQUISITE: MECH 4311.

#### MECH 4337 - Internal Combstn Engine (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 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 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, 4322.

#### 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 - Prin Of Biomechanics (4)

Biomechanics of tissues and structures of musculosketetal system; biomechanics of all joints; applications of statics, mechanics, linear viscoelasticity. PREREQUISITE: MECH 3320, 3322.

#### MECH 4360 - Selectn 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 (3)

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 Heat Transfer (3)

Engineering concepts and fundamental principles dealing with single and two phase fluid dynamic and heat transfer to design and analysis of process heat transfer equipment. PREREQUISITE: MECH 4311.

#### 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 - Mech Engr Proj (1-3)

Independent investigation of mechanical engineering problems in consultation with instructor. PREREQUISITE: senior standing.

#### 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.

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Technology

#### (TECH) TECHNOLOGY

Department of Engineering Technology Deborah J. Hochstein, M.S., Chair Room 203, Engineering Technology Building http://www.et.memphis.edu

#### TECH 1010 - Computer Apps In Tech (3)

Introduction to computer applications using PC's networked to TigerLAN; file management; spreadsheets; programming; Internet application in technology.

# TECH 1411 - Intro 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/Descriptv Geom (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 3044 - Anlys For Engr 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. [C]

# TECH 3691 - Construction Estimating (3)

Fundamentals of commercial and light frame estimating; emphasis given to conducting a

# **Course Descriptions**

# College of Arts and Sciences

Aerospace Studies (AERO)

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Public and Nonprofit Administration (PADM)

Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

quantity survey, including unit and overhead costs.

#### TECH 3940 - Anly Public Fire Protec (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. [C]

#### TECH 3942 - Fire Rlated Human Fctrs (3)

Dynamics of human behavior in fire incidents related to building design, codes and ordinances, and other fire prevention practices. PREREQUISITE: admission restricted to students seeking B.P. Greek (GREK) S. degree in Fire Administration or Fire Prevention Technology.

#### TECH 3944 - Fire Prot Struc Sys Des (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 Invest/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 postflash 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 - Applic 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 - Mngrl Issues Hzrd Mtrl (3)

Examination of federal regulatory issues, hazard identification and vulnerability analysis, multiagency 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 4510 - Constr Plan & Sched (3)

Principles of planning, scheduling, organizing, and controlling construction projects; studies in

Women's Studies (WMST)

### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

Classics (CLAS)

French (FREN)

German (GERM)

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)

**Decision Sciences (ISDS)** 

**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)

critical path method (CPM) and PERT, with resource leveling and financial scheduling; computer applications in CPM and PERT emphasized.

#### TECH 4999 - Engr 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.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

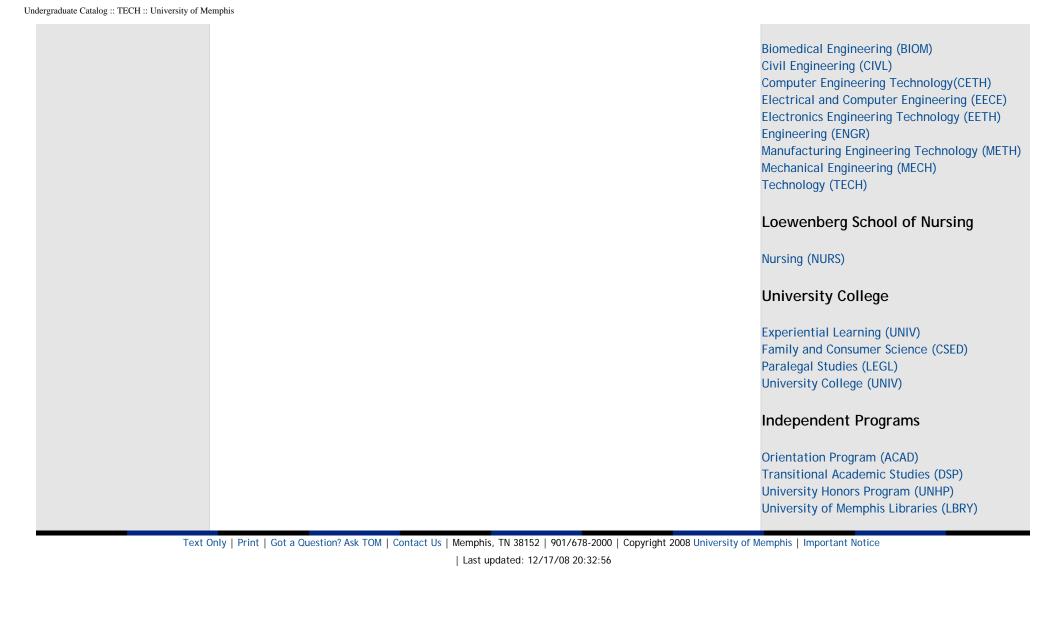
Instruction and Curriculum Leadership (ICL)

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Nursing

(NURS) NURSING
Marjorie Luttrell, Ph.D., Dean
Newport Hall
http://nursing.memphis.edu

\* 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 2220 - Dosage Calculation (1)

Introduction to systems of measurement used in medication administration; ability to determine safe dosages for all types of medications and intravenous fluids. One lecture hour per week. PREREQUISITE: MATH requirement, admission to Loewenberg School of Nursing.

#### NURS 3000 - Pharm In Nursing (3)

Application of nursing process as applied to major drug classifications; emphasis on safe administration of medications; pharmacokinetics and pharmacodynamics of drugs within major classification. PREREQUISITE: BIOL 2010/2011, 2020/2021, BIOL 1230/1231.

## NURS 3001 - Individualized Study (1-3)

Directed individualized approach to increase nursing knowledge, understanding, and skills

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

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 3017 - Intro/Med/Surgical Nurs (3)

(2217). Concepts essential to practice of professional nursing; nursing process and management of care fro 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 Pract (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. (S/U).

#### NURS 3101 - Health Assessment (3)

Knowledge needed to conduct basic health assessments of patients of all ages. Laboratory experiences focus on interviewing, completing a health history, and physical assessment skill acquisition. Two lecture hours, three laboratory hours per week. COREQUISITE: NURS 2217, 2218, 2219.

#### NURS 3107 - Fndations Prof Nurs Rns (1)

Facilitates the integration of RN student into BSN course of study; concepts essential to practice Decision Sciences (ISDS) of professional nursing. PREREQUISITE: admission to the Loewenberg School of Nursing.

#### NURS 3117 - Medical/Surg Nursing I (4)

Nursing process in the management of adults experiencing acute and chronic medical/surgical problems. Four lecture hours per week. PREREQUISITE: NURS 2217, 2218, 2219, 2220, 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/Surg 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 - Psychiatric Nursing (3)

Nursing process in managing patients with psychiatric disorders. Three lecture hours per week. PREREQUISITE: NURS 3017, 3018, 3019, 3000, 3101, 3400. COREQUISITE: \*NURS 3128, 3129.

Women's Studies (WMST)

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Management (MGMT)

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Communication (COMM)

Communication/Fine Arts (CCFA)

Dance (DANC)

Interior Design (IDES)

Journalism (JOUR)

#### NURS 3129 - Psychiatric Nurs Prac (2)

Develops skills in the therapeutic management of patients with psychiatric disorders. Six clinical Music laboratory hours per week in health care setting. PREREQUISITE: NURS 3017, 3018, 3019, 3000, 3101, 3400. COREQUISITE: \*NURS 3127. (S/U).

#### NURS 3217 - Maternal/Newborn Nurs (2)

Nursing care of childbearing women, neonates and their families; emphasizes normal and highrisk maternal and neonatal outcomes. Two lecture hours per week. PREREQUISITE: NURS 3017, 3018, 3019, 3000, 3101, 3400. COREQUISITE: \*NURS 3219.

#### NURS 3219 - Maternal/Newborn Prac (3)

Nursing process in the care of childbearing women, neonates and their families. Nine clinical laboratory hours per week in health care setting. PREREQUISITE: NURS 3017, 3018, 3019, 3000, 3101, 3400. COREQUISITE: \*NURS 3217. (S/U).

#### NURS 3227 - Child Health Nursing (2)

Theory and principles of nursing practice with children experiencing health problems requiring short-term and/or long-term intervention; expansion of nursing role to include health maintenance and restoration of health. Two lecture hours per week. PREREQUISITE: NURS 3117, 3118, 3119. COREQUISITE: \*NURS 3229.

#### NURS 3229 - Child Health Practicum (2)

Nursing process in the care of children and their families in acute and ambulatory care settings. Nine clinical laboratory hours per week in health care setting. PREREQUISITE: NURS 3117, 3118, 3119. COREQUISITE: \*NURS 3227. (S/U).

#### NURS 3230 - Gerontological Nursing (2)

(4333). Identification and management of common problems associated with the older adult. PREREQUISITE: NURS 3117, 3118, 3119, 3127, 3128, 3129.

#### NURS 3317 - Perioperative Nursing (1)

Theoretical foundation for perioperative practice during the intraoperative phase. PREREQUISITE: NURS 3117, 3118, 3119. COREQUISITE: \*NURS 3319.

#### NURS 3319 - Perioperaty Nurs Pract (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 - Clin Pathophysiology (3)

Abnormal functions of selected human physiological systems including disease processes and their manifestations. Three lecture hours per week. PREREQUISITE: BIOL 1230/1231, 2010/2011, 2020/2021.

#### NURS 3410 - Physio/Pharm Concept I (3)

Applied Music (MUAP)

Jazz and Studio Ensembles (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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## College of Education

Counseling, Educational Psychology and Research

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

#### **Health and Sport Sciences**

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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)

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. COREQUSITE: NURS 3107.

#### NURS 4110 - Rsrch/Evd Based Prctice (3)

Steps of nursing research process; critiques and evaluates research to support evidence-based practice. PREREQUISITE: NURS 3117, 3118, 3119, 3127, 3129, 3217, 3219, 3227, 3229; EDPR 4541 or PSYC 3110 or SOCI 3311. For RN students: admission to the Loewenberg School of Nursing; EDPR 4541 or PSYC 3110 or SOCI 3311, or any approved statistics course. [W]

#### NURS 4117 - Med/Surg 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 Prac (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 - Contempry 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 Nursng (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 nursing role to coordinator of care. Three lecture hours per week. PREREQUISITE: NURS 3117, 3118, 3119, 3127, 3129, 3217, 3219, 3227, 3229. COREQUISITE: \*NURS 4129.

#### NURS 4129 - Population Focus Pract (2)

(4020). Use of nursing and public health theories and principles to provide nursing care to populations with the community setting; emphasis on the geriatric population. Six laboratory hours per week. PREREQUISITE: NURS 3117, 3118, 3119, 3127, 3129, 3217, 3219, 3227, 3229. COREQUISITE: \*NURS 4127 (S/U).

#### NURS 4137 - Emergency/Trauma Nrsng (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 Prct (2)

Provides students with opportunity to directly care for adult clients and their significant other(s) in emergency settings.

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

Nursing (NURS)

## **University College**

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

## **Independent Programs**

Orientation Program (ACAD)
Transitional Academic Studies (DSP)
University Honors Program (UNHP)
University of Memphis Libraries (LBRY)

#### 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). [C, I]

#### NURS 4300 - Nursing Content Mastery (3)

Topics are varied and in online class listings.

#### 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. COREQUISITE: NURS 4329.

#### NURS 4329 - Leadershp/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. COREQUISITE: NURS 4327. (S/U). [C, I]

#### 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/Nurs (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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Experimental Learning

(UNIV) EXPERIENTIAL LEARNING

Dan L. Lattimore, Ph.D., Dean Room 218, John Willard Brister Hall http://www.uc.memphis.edu/

A portfolio describing and documenting knowledge gained through experience or non-traditional instruction may be prepared by a University College student for assessment by a University of Memphis faculty member who is an expert in the discipline in which credit is sought. This learning must be related to the Coordinated Study. (See Expenses and Aid and Academic Regulations sections for more details.) That faculty assessor recommends the descriptive title, level, and amount of credit to be assigned by the dean of University College. A maximum of 30 hours may be applied to a degree. Credit is posted to the student's transcript as follows. 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 1310 - The Ancient World (3)

Peoples and cultures of ancient people; introduction to archaeology; classical worlds of Africa, Europe, Asia, the Americas. Key archaeological readings and films are utilized.

UNIV 1900 - Experiential Lrng Intro (1-33)

## 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 2304 - Gender & Society (3)

Sources, development, and effect of gender hierarchy on self-concept, quality of life, and ability to effect social change; subordination of women of different classes, races, and ethnicities across nationalities, cultures, and centuries; symbol, myth, and psychology in human

**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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

Social Work (SWRK)

Sociology (SOCI)

development and gender divisions of power within historical struggle for control of world's wealth. [G]

#### UNIV 2860 - Cultrl Confrontatns H/P (3)

Interdisciplinary examination of causes and effects of conflicts between and within cultures. Examines notion of cultural unity, issues of cultural identify, 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 Lrng Interm (1-39)

#### UNIV 3200 - Aviation Administration (3)

Administrative principles as applied to airport operations, general aviation, government operations and enforcement, airline companies, and manufacturing companies; emphasis upon Federal Aviation Administration regulations that govern and guide the administrator in these areas.

#### UNIV 3300 - Medical Illus Tech I (3)

Special techniques used by illustrators working in medical settings.

#### UNIV 3301 - Medical Illus Tech II (3)

Further instruction in special techniques used by illustrators working in medical settings. Work with case problems.

#### UNIV 3302 - Biomed Photography (3)

Special techniques used by photographers working in medical settings.

#### UNIV 3527 - Making Humane City (6)

[W]

#### 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 3550 - Clash Of Cultures (3)

Multi-leveled, complex, and consequential clashes that have shaped American culture and much of the modern world.

#### UNIV 3580 - Hebrew & 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. [G]

#### UNIV 3581 - Faith/Reasn/Imaginatn (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

Women's Studies (WMST)

#### Foreign Languages and Literatures

Arabic (ARAB)

Chinese (CHIN)

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French (FREN)

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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)

Journalism (JOUR)

among them in modern world. [G]

UNIV 3900 - Experiential Lrng Adv (1-39)

#### 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.

#### 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).

#### 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 4511 - Holocaust Studies (3)

(Same as JDST 4511, UNHP 4404). 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. [W,I]

#### UNIV 4520 - Mind/Brain/Intelligence (3)

(Same as PSYC 4305 and UNHP 4302).

#### 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 - Charactr/Soc In America (6)

(3529). [W, I]

#### UNIV 4706 - Managing Software Devel (3)

Advanced examination of selected topics in online class listings

#### 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 4990 - Project Planning Sem (1)

Selected and individualized methodology related to identifying, planning, conducting, analyzing and reporting research related to the culminating special project. PREREQUISITE: Senior Standing and approved baccalaureate contract or interdisciplinary degree guidelines and permission of Associate Dean. (S/U).

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Applied Music (MUAP)

Jazz and Studio Ensembles (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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Dietetics (NUTR)

Health and Human Performance (EXSS)

Health and Sport Sciences(HMSE)

Health Promotion (HPRO)

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Leadership (LEAD)

Reading (RDNG)

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#### UNIV 4995 - Senior Project (3)

Academic research or other creative activity resulting in tangible project to demonstrate synthesis of student's Coordinated Study. PREREQUISITE: Completion of UNIV 4990 or equivalent and approval of a learning contract for the project. Students will receive an in-progress grade or a letter grade.

Biomedical Engineering (BIOM)
Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
Mechanical Engineering (MECH)
Technology (TECH)

## Loewenberg School of Nursing

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#### (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 Consumer Science and Education. (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 2004 - Tchnl Skls Hm 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.

#### CSED 2005 - Intro To Fshn Mrchndsng (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 Perspecty (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); especially retail interior and window

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Criminology and Criminal Justice (CJUS)

Earth Sciences (ESCI)

English (ENGL)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

will tally science (ARWI)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

Open Learning Fire Services Program (PADM)

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Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)

display techniques, display creation, planning promotions, and determining budgets.

#### CSED 3104 - Housing & Related Arts (3)

(2104). Elements and principles of design applied to selection of housing and related home furnishings.

#### CSED 3204 - Residntl Kitchen Plan (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, multicultural, universal design; selection, use, care of appliances. PREREQUISITE: CSED 3104, or permission of instructor.

#### 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. Accounting also recommended.

#### CSED 3302 - Chld/Adol Dvlpmnt (3)

(Same as EDPR 3302). Principles and processes of child and adolescent development applied to education. Required clinical experiences outside of class. PREREQUISITE: EDPR 2111.

#### 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 Profssn (3)

Senior capstone seminar that applies synergistic thinking to integrative discipline of home economics 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 [W, I]

#### CSED 4204 - Frnshng Prblms Prsntns (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 2004, 4304.

#### CSED 4205 - Behv Sci Aspct Clothng (3)

Interdisciplinary study of clothing and appearance; concepts, methodologies, and applications of behavioral science to clothing.

#### CSED 4211 - Rdngs: Chd Dev/Fml RIt (1-3)

For Senior Consumer Science majors. In-depth reading or research in area of specialization. PREREQUISITE: Senior Consumer Science majors only.

CSED 4213 - Rdngs: Fmly Ec/Cons Ed (1-3)

CSED 4214 - Rdngs: Hous/Hom Fur (1-3)

Women's Studies (WMST)

#### Foreign Languages and Literatures

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Chinese (CHIN)

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Interior Design (IDES)

Journalism (JOUR)

CSED 4215 - Rdngs: Cloth/Tex (1-3)

CSED 4216 - Rdngs: Fash Mrch (1-3)

#### CSED 4217 - Rdngs: Family/Consmr (3)

For Senior Consumer Science majors. In-depth reading or research in area of specialization. PREREQUISITE: Senior Consumer Science majors only.

#### 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.

#### CSED 4304 - Trnds Hsng Home Frnshng (3)

Major trends and influences on contemporary residential furnishings as these affect home furnishings merchandising.

#### CSED 4383 - Mat/Meth Family CSed (3)

Methods in high school subjects with an emphasis in Consumer Science and Education Instruction. PREREQUISITE: permission of instructor.

#### CSED 4393 - Occp Meth Family CSED (3)

Special emphasis on instructional strategies and evaluation through classroom and on-site participation. PREREQUISITE: CSED 4383 and permission of instructor.

#### 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. PREREQUISITE: CSED 2005, 2004, 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. PREREQUISITE: UNIV 4990 and required coursework in concentration/minor. COREQUISITE: UNIV 4110, 4995, or PADM 4231.

#### CSED 4900 - Study Tour: CSED (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 4904 - Sty Tour: Hsng/Hm Frnsh (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 4906 - Sty Tr: Fshn/Mrchnd (1-3)

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Special Education (SPED)

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Civil Engineering (CIVL)
Computer Engineering Technology(CETH)
Electrical and Computer Engineering (EECE)
Electronics Engineering Technology (EETH)
Engineering (ENGR)
Manufacturing Engineering Technology (METH)
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Paralegal Studies

## (LEGL) PARALEGAL STUDIES

Broderick Nichols, J.D., Assistant Dean for Undergraduate Programs Room 218, John Willard Brister Hall

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http://www.uc.memphis.edu/paralegal.htm

LEGL 2400 - Legal Ethics (3)

(UNIV 2400). 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)

(UNIV 2410). 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)

(UNIV 2420). Research methods using legal encyclopedias, annotations, form books, reporters, codes, regulations, digests, and citations; style of legal memorandum and uniform citation. PREREQUISITE: ENGL 1010 and 3500.

LEGL 3410 - Contracts Commercial Law (3)

(UNIV 3410). Survey of law affecting the formation, performance, and enforcement of contracts; Military Science (ARMY) 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.

LEGL 3420 - Torts (3)

(UNIV 3420). 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

LEGL 3430 - Business Associations (3)

(UNIV 3430). Legal aspects of formation and operation of proprietorships, agencies,

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partnerships, and corporations; emphasis on paralegal's role in drafting business documents and Women's Studies (WMST) maintaining corporate records. PREREQUISITE: LEGL 2400, 2410, 2420.

#### LEGL 3440 - Civil Procedure (3)

(UNIV 3440). 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.

#### LEGL 3450 - Legal Research/Writing II (3)

(UNIV 3450). 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. [W]

#### LEGL 3481 - Family Law (3)

(UNIV 3481). 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.

#### LEGL 3482 - Labor Law (3)

(UNIV 3482). 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.

#### LEGL 3483 - Computers In Law (3)

(UNIV 3483). 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. COREQUISITE: LEGL 2420.

#### LEGL 3484 - Bankruptcy Practices (3)

(UNIV 3484). 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.

#### LEGL 3485 - Real Estate Practices (3)

(UNIV 3485). 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.

#### 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.

#### 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

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2420.

#### LEGL 4410 - Paralegal Internship (3)

Supervised work experience in appropriate legal setting; individual progress conferences arranged and evaluative reports developed. 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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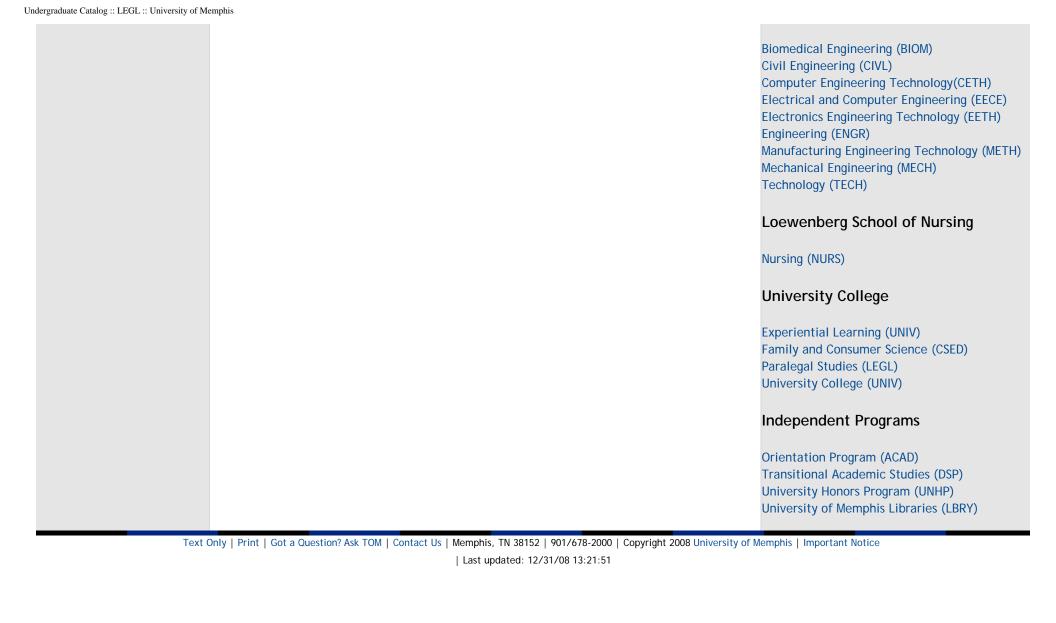
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(UNIV) UNIVERSITY COLLEGE

Dan L. Lattimore, Ph.D., Dean Room 218, John Willard Brister Hall

http://www.uc.memphis.edu/

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 1310 - The Ancient World (3)

Peoples and cultures of ancient people; introduction to archaeology; classical worlds of Africa, Europe, Asia, the Americas. Key archaeological readings and films are utilized.

UNIV 1900 - Experiential Lrng Intro (1-33)

## 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)

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#### UNIV 2304 - Gender & Society (3)

Sources, development, and effect of gender hierarchy on self-concept, quality of life, and ability to effect social change; subordination of women of different classes, races, and ethnicities across nationalities, cultures, and centuries; symbol, myth, and psychology in human development and gender divisions of power within historical struggle for control of world's wealth. [G]

#### UNIV 2860 - Cultrl Confrontatns H/P (3)

Interdisciplinary examination of causes and effects of conflicts between and within cultures. Examines notion of cultural unity, issues of cultural identify, 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 Lrng Interm (1-39)

#### UNIV 3200 - Aviation Administration (3)

Administrative principles as applied to airport operations, general aviation, government operations and enforcement, airline companies, and manufacturing companies; emphasis upon Federal Aviation Administration regulations that govern and guide the administrator in these areas.

#### UNIV 3300 - Medical Illus Tech I (3)

Special techniques used by illustrators working in medical settings.

#### UNIV 3301 - Medical Illus Tech II (3)

Further instruction in special techniques used by illustrators working in medical settings. Work with case problems.

#### UNIV 3302 - Biomed Photography (3)

Special techniques used by photographers working in medical settings.

#### UNIV 3527 - Making Humane City (6)

[W]

#### 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 3550 - Clash Of Cultures (3)

Multi-leveled, complex, and consequential clashes that have shaped American culture and much of the modern world.

#### UNIV 3580 - Hebrew & 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. [G]

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Journalism (JOUR)

#### UNIV 3581 - Faith/Reasn/Imaginatn (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. [G]

UNIV 3900 - Experiential Lrng Adv (1-39)

#### 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.

#### 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).

#### 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 4511 - Holocaust Studies (3)

(Same as JDST 4511, UNHP 4404). 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. [W,I]

#### UNIV 4520 - Mind/Brain/Intelligence (3)

(Same as PSYC 4305 and UNHP 4302).

#### 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 - Charactr/Soc In America (6)

(3529). [W, I]

#### UNIV 4706 - Managing Software Devel (3)

Advanced examination of selected topics in online class listings

#### 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 4990 - Project Planning Sem (1)

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Selected and individualized methodology related to identifying, planning, conducting, analyzing, and reporting research related to the culminating special project. PREREQUISITE: Senior Standing and approved baccalaureate contract or interdisciplinary degree guidelines and permission of Associate Dean. (S/U).

#### UNIV 4995 - Senior Project (3)

Academic research or other creative activity resulting in tangible project to demonstrate synthesis of student's Coordinated Study. PREREQUISITE: Completion of UNIV 4990 or equivalent and approval of a learning contract for the project. Students will receive an in-progress grade or a letter grade.

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Orientation Program (ACAD)

(ACAD) ACADEMICS - ORIENTATION PROGRAM

Room 500, Wilder Tower

http://academics.memphis.edu/acad/

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 - Intro To University (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.

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

International Studies (INTL)

Judaic Studies (JDST)

Mathematics (MATH)

Military Science (ARMY)

Naval Science (NAVY)

Philosophy (PHIL)

Physics (PHYS)

Political Science (POLS)

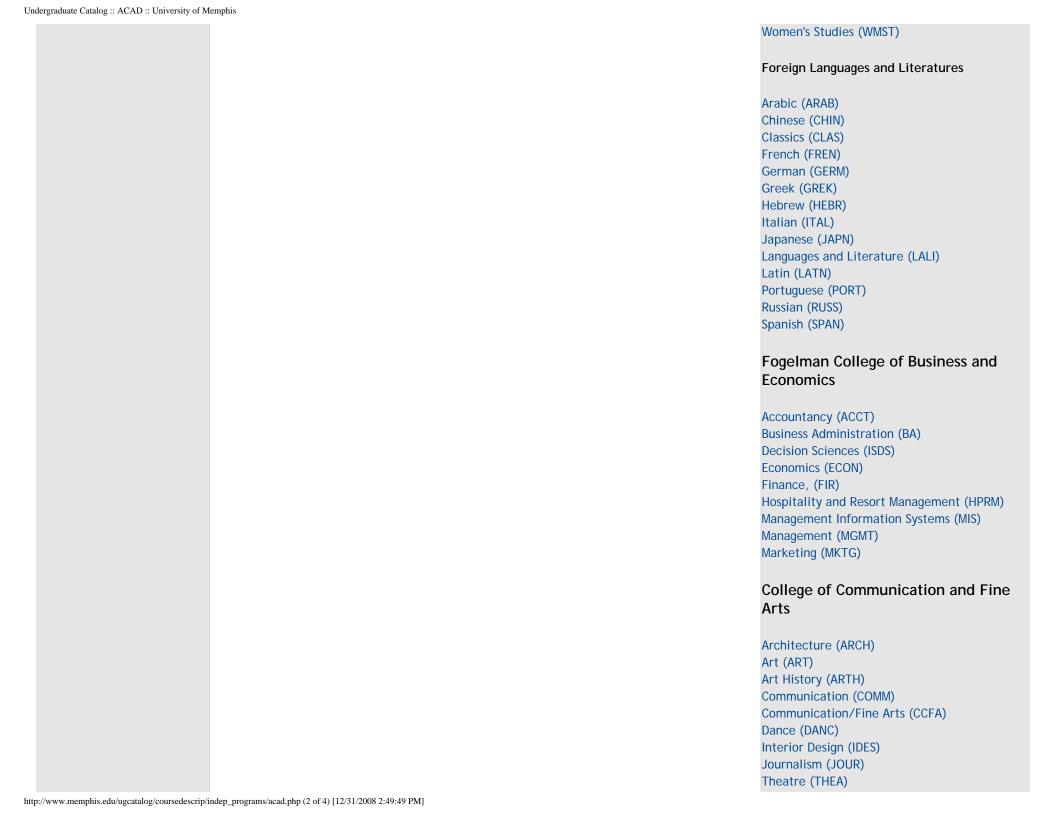
Open Learning Fire Services Program (PADM)

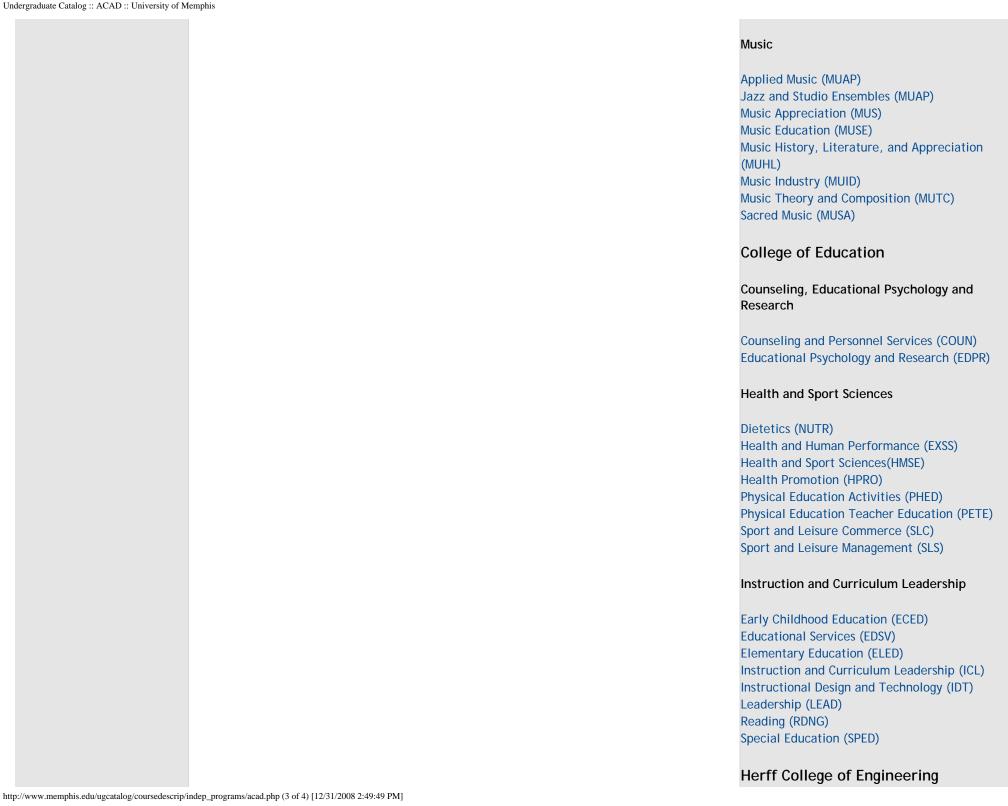
Public and Nonprofit Administration (PADM)

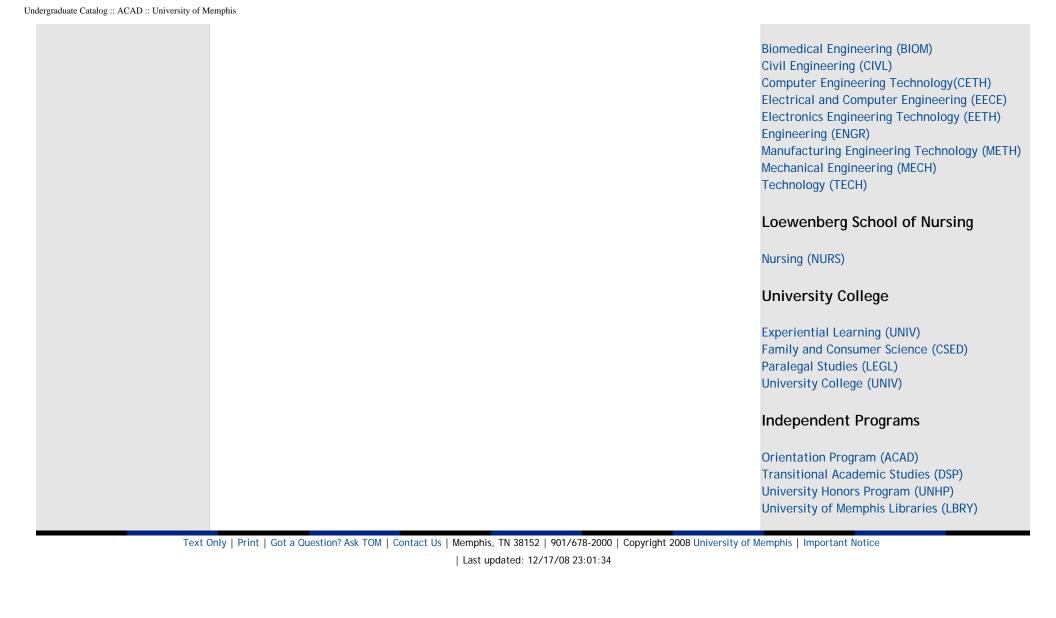
Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)









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Transitional Academic Studies

(DSP)TRANSITIONAL ACADEMIC STUDIES

Developmental Studies Program http://dstudies.memphis.edu/

Developmental Studies courses are taught by Southwest Tennessee Community College faculty on the University of Memphis campus.

## **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)

Health Administration (HADM)

History (HIST)

Interdisciplinary Studies (INTD)

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)

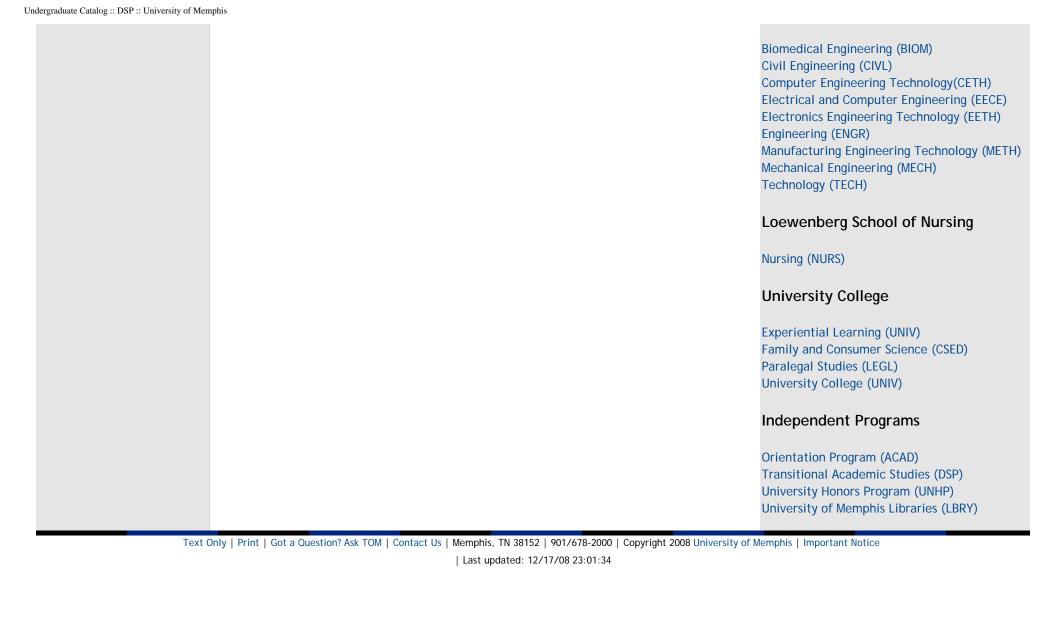
Psychology (PSYC)

Social Work (SWRK)

Sociology (SOCI)









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University Honors Program

(UNHP) UNIVERSITY HONORS PROGRAM Melinda L. Jones, Ph.D., Director Room 204, Scates 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 postcolonial 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

## **Course Descriptions**

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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 - Hmnities/Global Chilinge (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 - Soc Sci/Global Chlinge (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).

#### UNHP 3407 - Evolutionary Perspecty (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 4302 - Mind/Brain/Intelligence (3)

(Same as PSYC 4305, UNIV 4520). Interdisciplinary studies of cognition, behavior, emotion, intelligence, and brain mechanisms; synthesis of research contributions from cognitive science, neuroscience, artificial intelligence, and philosophy.

#### UNHP 4404 - Holocaust Studies (3)

(Same as JDST 4511, UNIV 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. [W,I]

### 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

#### 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)

**Decision Sciences (ISDS)** 

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)

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.

#### Music

Applied Music (MUAP)

Jazz and Studio Ensembles (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

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)

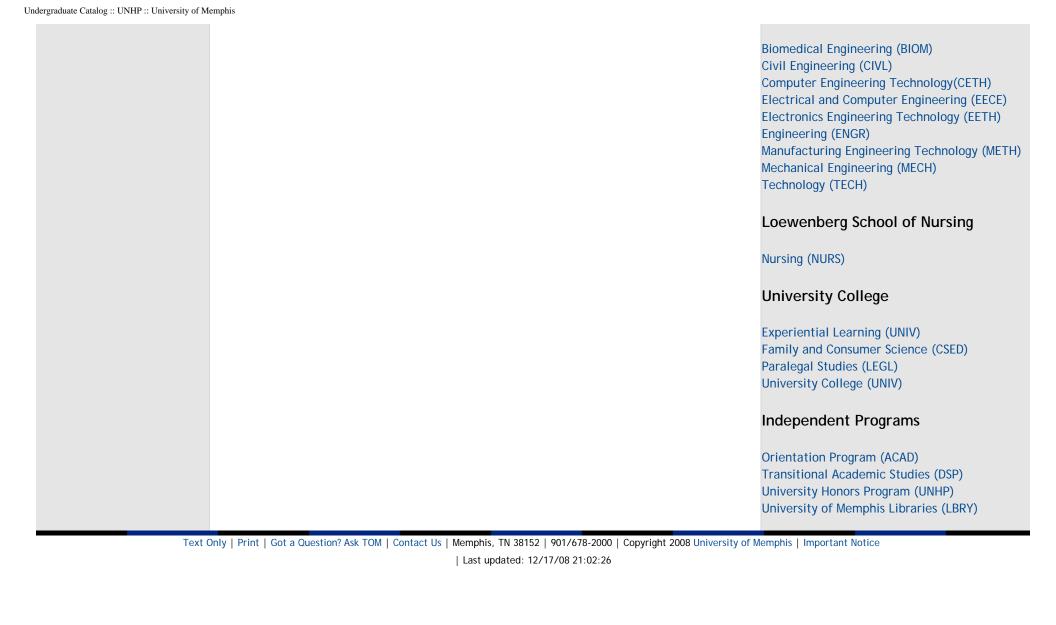
Instruction and Curriculum Leadership (ICL)

Instructional Design and Technology (IDT)

Leadership (LEAD)

Reading (RDNG)

Special Education (SPED)





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(LBRY) UNIVERSITY OF MEMPHIS LIBRARIES

Silverna V. Ford, Ph.D., Dean Room 203, McWherter Library

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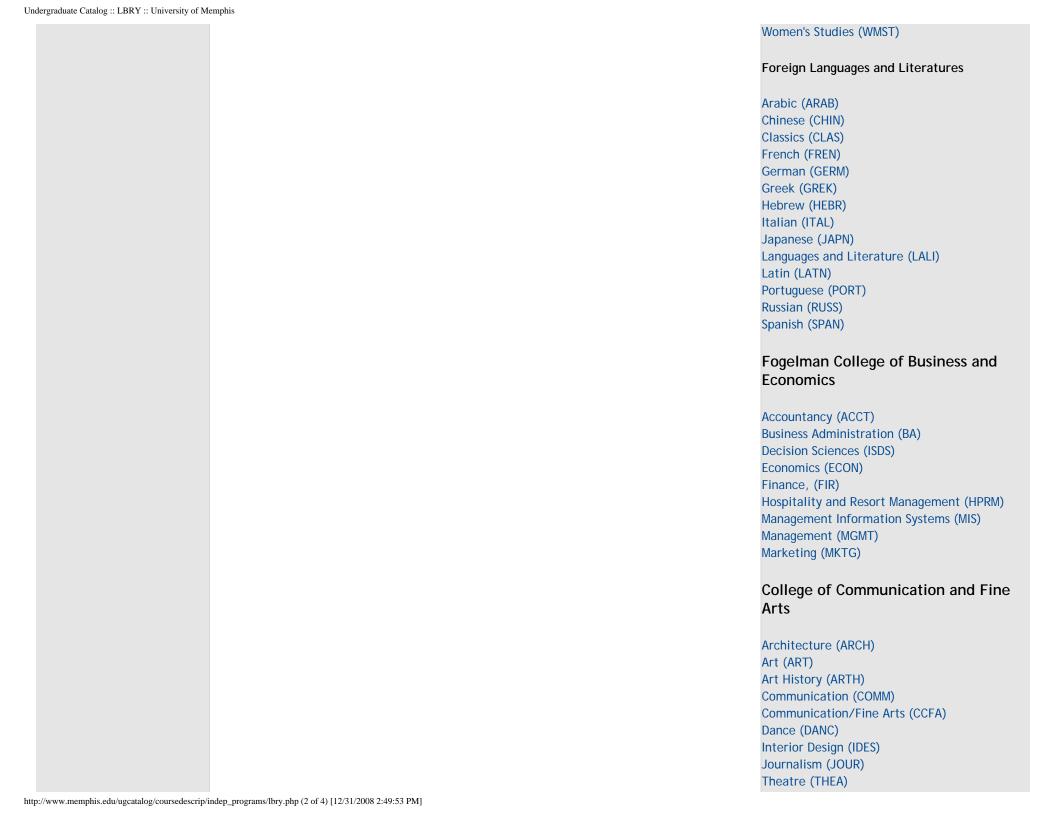
Open Learning Fire Services Program (PADM)

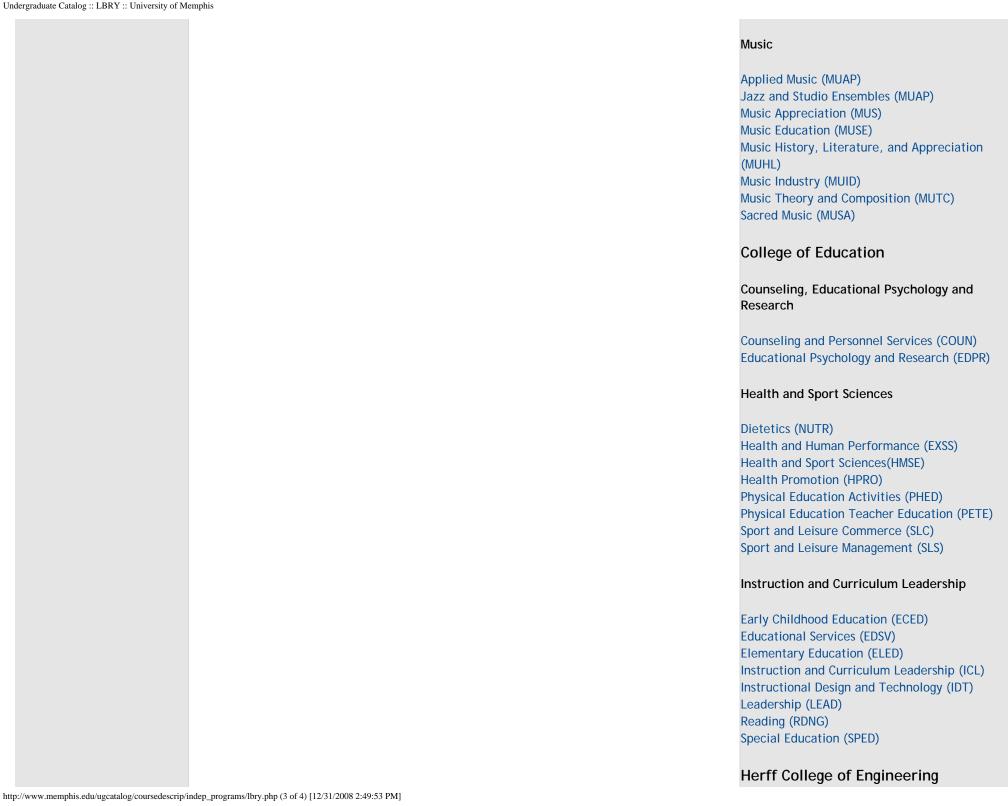
Public and Nonprofit Administration (PADM)

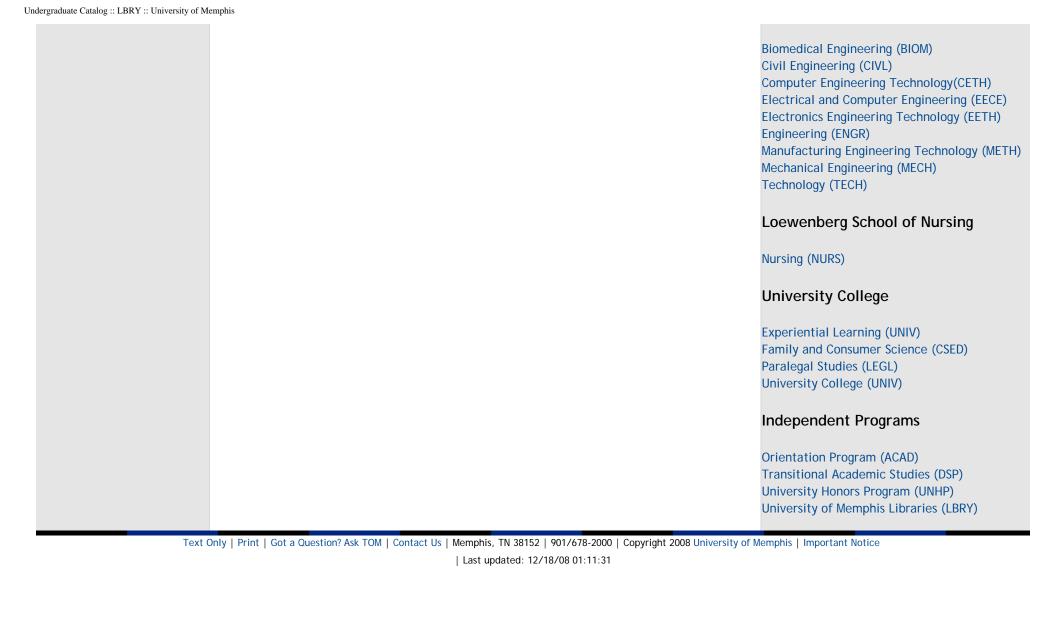
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Sociology (SOCI)









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JOY CLAY, Ph.D., Assistant Dean

WILLIAM J. THOMPSON, Ph.D., Assistant Dean

MELISSA BUCHNER, M.A., Director of Administration

PATSY KRECH, M.Ed., Director of Undergraduate Advising

LISA ELDIN, M.A., Pre-Professional Advisor

AEROSPACE STUDIES

STEVEN E. FELL, M.A., Lt. Col., USAF, **Professor of Aerospace Studies** 

TAVETIA R. CIRCUS (2005), Staff Sergeant, United States Air Force, Noncommissioned Officer in Charge of Information Management

STEVEN E. FELL (2005), Lieutenant Colonel, United States Air Force, Professor of Aerospace Studies: B.S., 1978, Illinois State University; B.A., University of South Florida, 1984; M.A., The George Washington University, 1992; Master of Military Operational Art and Science, 2000, Air University

HENRY B. MACRI (2005), Captain, United States Air Force, Assistant Professor: B.S., 1997, East Carolina University

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DAMITA J. WILSON (2005), Staff Sergeant, United States Air Force, Noncommissioned Officer in Charge of Personnel

**ANTHROPOLOGY** 

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The College Of Arts And Sciences

The Fogelman College Of Business And

**Economics** 

The College Of Communication And Fine Arts

The College Of Education

The Herff College Of Engineering

The Loewenberg School Of Nursing

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RUTHBETH D. FINERMAN (1985), Professor, Chair: B.A., 1977, M. A., 1979, Ph.D., 1985, University of California at Los Angeles STANLEY E. HYLAND (1976), Associate Professor, Head, School of Urban Affairs and Public Policy: B.A., 1969, M.A., 1970, University of Cincinnati; Ph.D., 1976, University of Illinois SATISH KEDIA (1998), Associate Professor: B.Sc., 1985, M.S., 1987, M.Phil., 1990, Delhi University; Ph.D., 1997, University of Kentucky

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#### BIOLOGY

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## COMPUTER SCIENCE

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Class Offerings	MARGARET M. QUINN (1983), Assistant Professor: B.S., 1970, University of Tennessee, Knoxville; M.E., 1976, Memphis State University	Libraries	
Search the catalog:	KAVEH SAFA (2004), Instructor: 1967, Syracuse University; M.A., 1974, New School University PATRICIA M. STEVENS (1979), Associate Professor: B.S., 1968, University of Tennessee, Martin; M. S., 1972, Indiana State University; Ed.D., 1988, Mississippi State University WILLIAM E. WINGFIELD (2003), Instructor: B.S., 1965, M.A., 1979, Memphis State University; Ph. D., 1987, Duke University		
* spectrum	UNIVERSITY COLLEGE FACULTY COUNCIL  REBECCA S. ARGALL, M.A., Assistant Professor, English  DIXIE R. CRASE, Ph.D., Professor, Family and Consumer Sciences  PHILLIP T. KOLBE, Ph.D., Associate Professor, Fogelman College of Business and Economics  MARJORIE F. LUTTRELL, Ph.D., Associate Professor, Nursing  BARBARA K. MULLINS-NELSON, Ph.D., Professor, Leadership  DOROTHY NORRIS-TIRRELL, Ph.D., Associate Professor, Public Administration  ROBIN ROACH, Ed.D., Associate Professor, Health and Sport Sciences  WANDA RUSHING, Ph.D., Associate Professor, Sociology		

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University Honors Program Faculty and Staff

Expenses MELINDA JONES, Ph.D., Director

COLTON COCKRUM, M.S., Assistant Director Academic Regulations

Graduation from the UNIVERSITY HONORS PROGRAM ADVISORY COUNCIL

University

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MICHAEL FERKIN, Ph.D., Associate Professor, Biology

STEPHEN HANCOCK, M.F.A., Associate Professor, Theatre

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**University Links** CHRISANN SCHIRO-GEIST, Ph.D., Professor, Counseling, Educational Psychology and Research

TEONG TAN, Ph.D., Associate Professor, Mechanical Engineering Class Offerings

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**Economics** 

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SYLVERNA V. FORD, Ph.D., Dean

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IAN M. EDWARD (1973), Assistant Professor: B.A., 1968, M.S., 1972, Florida State University; M.B. A., 1980, Memphis State University

JOHN EDWARD EVANS (1980), Associate Professor: B.A., 1974, Kansas Wesleyan; M.S., 1977, University of Illinois; Ed.D., 1989, Memphis State University

SYLVERNA V. FORD (2000), Professor, Dean: B.S., 1972, M.L.S., 1974, University of Maryland; Ph. D., 1995, University of Pittsburgh

EDWIN G. FRANK (1994), Associate Professor: B.A., 1976, Memphis State University; M.L.S., 1993, University of Tennessee, M.A., 1999, University of Memphis

MARY K. FREILICH (1985), Assistant Professor: B.A., 1970, M.A., 1971, Purdue University; M.L.S., University Honors Program 1982, State University of New York-Albany

ANNELLE R. HUGGINS (1981), Associate Professor: B.S., 1969, Central State University; M.L.S., 1970, Vanderbilt University; M.Ed., 1975, Texas A&M University

ROBERT T. IVEY (1987), Associate Professor: A.B., 1966, M.A., 1968, Ph.D., 1973, M S.L.S., 1976, University of North Carolina-Chapel Hill

ROSS M. JOHNSON (1982), Assistant Professor: B.A., 1976, Memphis State University; M.L.S., 1979, Vanderbilt University

CHRISTOPHER MATZ (2001), Assistant Professor: B.S., University of Oregon; M.L.S., 1998, University of North Carolina, Greensboro

JOYCE A. McKIBBEN (1979), Assistant Professor: B.A., 1971, Eckerd College; M.A.L.S., 1972, University of Kentucky; M.A. 1979, University of Florida

GUY THOMAS MENDINA (1980), Assistant Professor: B.A., 1967, M.L.S., 1978, University of Texas at Austin; M.A., 1990, Memphis State University

ANNA B. NEAL (1980), Assistant Professor: B.A., 1973, University of Kentucky; M.L.S., 1978, Vanderbilt University; M.M., 1986, Memphis State University

PAMELA RAE PALMER (1973), Associate Professor: B.A.E., 1970, University of Mississippi; M.S.,

1972, Louisiana State University; M.A., 1978, Ed.D., 1985, Memphis State University

ELIZABETH H. PARK (1983), Associate Professor: A.B., 1966, Stanford University; M.L.S., 1972,

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The College Of Arts And Sciences The Fogelman College Of Business And **Economics** 

The College Of Communication And Fine Arts The College Of Education The Herff College Of Engineering

The Loewenberg School Of Nursing **University College** 

Libraries

State University of New York at Buffalo; M.S. 1989, Memphis State University
MARGARET ROBINSON (1994), Associate Professor: B.A., 1983, Centenary College; M.L.S., 1992,
Indiana University
PERVEEN K. RUSTOMFRAM (1995), Assistant Professor: B.S.W., 1979, Bombay University: M.A.,
1984, University of Hyderabad; M.L.S., 1987, University of Tennessee
PHILIP M. SMITH (1982), Associate Professor: B.M.E., 1970, B.M., 1972, M.A., 1976, University of
Kansas; M.L.S., 1981, Ph.D., 1987, Florida State University
JULIA W. SNYDER (2002), Assistant Professor: B.A., 1996, Oberlin College; M.L.S., 1997,
University of Pittsburgh
SAUNDRA WADE WILLIAMS (1980), Associate Professor: B.A., 1967, University of Arkansas; M.L.S.,
1977, Vanderbilt University; M.A.P.A., 1985, Memphis State University

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# The University of Memphis

2007-2008

### Undergraduate Bulletin

SHIRLEY C. RAINES, Ed.D., President

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

The Ninety-fourth Session Will Open August 20, 2007

For students whose initial enrollment occurs Fall 2007-Summer 2008, this Bulletin is valid through Summer 2014.

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

The course offerings and requirements of the University of Memphis are continually under examination and revision. This Bulletin 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 Bulletin are subject to change at any time, and all courses, programs, and activities described in this Bulletin 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.

The University of Memphis is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097, telephone number 404-679-4501) to award bachelor's, first professional, master's, educational specialist's, and doctoral degrees.

The Bulletin web pages are maintained by the Director of Curriculum Planning, Dr. Catherine P. Serex. The last update occurred May 3, 2007.

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## The University of Memphis

2006-2007

## Undergraduate Bulletin

SHIRLEY C. RAINES, Ed.D., President

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

The Ninety-third Session Will Open August 21, 2006

For students whose initial enrollment occurs Fall 2006-Summer 2007, this Bulletin is valid through Summer 2013.

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

The course offerings and requirements of the University of Memphis are

courses, programs, and activities described in this Bulletin are subject to

continually under examination and revision. This Bulletin 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 Bulletin are subject to change at any time, and all

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cancellation or termination by the University of Memphis or the Tennessee Board

of Regents at any time.

point in time at which appropriate academic measurements were taken to certify course or program completion. (TBR 2:04:00:01)

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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 Bulletin web pages are maintained by the Director of Curriculum Planning, Dr. Catherine P. Serex. The last update occurred February 23, 2006.

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The University of Memphis

2005-2006

Undergraduate Bulletin

SHIRLEY C. RAINES, Ed.D., President

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

The Ninety-third Session Will Open August 22, 2005

For students whose initial enrollment occurs Fall 2005-Summer 2006, this Bulletin is valid through Summer 2012.

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

The course offerings and requirements of the University of Memphis are continually under examination and revision. This Bulletin 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

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The Bulletin web pages are maintained by the Director of Curriculum Planning, Dr. Catherine P. Serex. The last update occurred December 20, 2005.

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The University of Memphis

2004-2005

Undergraduate Bulletin

SHIRLEY C. RAINES, Ed.D., President

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

The Ninety-first Session Will Open August 18, 2004

For students whose initial enrollment occurs Fall 2004-Summer 2005, this Bulletin is valid through Summer 2011.

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

The course offerings and requirements of the University of Memphis are continually under examination and revision. This Bulletin 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

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The Bulletin web pages are maintained by the Associate Director of Curriculum Planning, Dr. Catherine P. Serex. The last update occurred September 9, 2004 at 1:00 P.M.

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The University of Memphis

The 2003-2004 Undergraduate Bulletin has been designed to provide current and prospective students, faculty, and staff with a comprehensive description of the University and its academic programs, regulations, services and activities. Any recommendations concerning The Bulletin should be addressed to the Associate Director of Curriculum Planning.

For students whose initial enrollment occurs Fall 2003-Summer 2004, this Bulletin is valid through Summer 2010.

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

The course offerings and requirements of The University of Memphis are continually under examination and revision. This Bulletin 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 Bulletin are subject to change at any time, and all courses, programs, and activities described in this Bulletin are subject to cancellation or termination by The University of Memphis or the Tennessee Board of Regents at any time.

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The Bulletin web pages are maintained by the Associate Director of Curriculum Planning, Dr. Catherine P. Serex. The last update occurred March 12, 2003 at 10:00 A.M.

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The University of Memphis

The 2001-2003 Undergraduate Bulletin has been designed to provide current and prospective students, faculty, and staff with a comprehensive description of the University and its academic programs, regulations, services and activities. Any recommendations concerning "The Bulletin" should be addressed to the Associate Director of Curriculum Planning.

For students whose initial enrollment occurs Fall 2001-Summer 2002, this Bulletin is valid through Summer 2008; for those whose enrollment occurs Fall 2002-Summer 2003, the validity period ends Summer 2009.

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

The course offerings and requirements of The University of Memphis are continually under examination and revision. This Bulletin 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 Bulletin are subject to change at any time, and all courses, programs, and activities described in this Bulletin are subject to cancellation or termination by The University of Memphis or the Tennessee Board of Regents at any time.

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The Bulletin web pages are maintained by the Associate Director of Curriculum Planning, Dr. Catherine P. Serex. The last update occurred January 16, 2003 at 10:00 A.M.

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# The 1999-2001 Undergraduate Catalog

The 1999-01 Undergraduate Catalog"The Bulletin" has been designed to provide current and prospective students, faculty, and staff with a comprehensive description of the university and its academic programs, regulations, services and activities. Any recommendations concerning "The Bulletin", should be addressed to the Director of Curriculum Planning in the Department of Academic Affairs.

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The Memphis Community

**Academic Program Accreditation** 

Facilities, Research, and Services

The Graduate School

Cecil C. Humphreys School of Law

### Colleges and Degree Programs

### . Course Descriptions

To view course descriptions, click on the link below that contains the first letter of the subject.

Subjects that begin with...

A, B or C

D, E, or F

<u>G</u>, H, or I

<u>J, K, or L</u>

 $\underline{\mathbf{M}}$ 

<u>N, O, or P</u>

<u>Q</u>, R, S, or T

<u>U, V, W, X, Y, or Z</u>



# 1997-1999 Undergraduate Bulletin

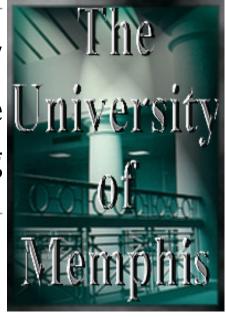


Programs





## The 1996-1997 Undergraduate Catalog



The 1996-97 Undergraduate Catalog" The Bulletin" has been designed to provide current and prospective students, faculty, and staff with a comprehensive description of the university and its academic programs, regulations, services and activities. Any recommendations concerning "The Bulletin", should be addressed to the Director of Curriculum Planning in the Department of Academic Affairs.

### Campus Directory

Academic and administrative listings only. Click here to access the university's electronic phone book.

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- **.** Description of the University

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Fees and Charges, Application & Registration Fee Information, Miscellaneous Fees, Student Housing, Appeal Procedures

### - Academic Regulations

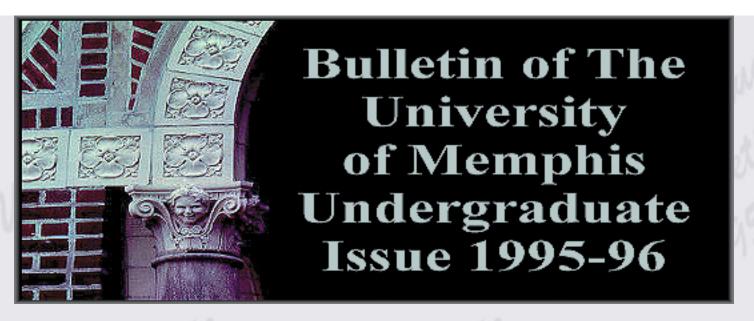
<u>Appeals, Class Attendance, Classification of Students, Scholastic Standards, Additional Means of Earning Credit</u>

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For the most comprehensive information on admissions and expenses, please access <u>The University of Memphis Quick Guide</u>						
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### 1. Campus Directory

Academic and administrative listings only. Click <u>here</u> to access the university's electronic phone book.

- 2. University Calendar for 1995-96
- 3. Degree Program Planning
- 4. Description of the University

General Description, The Memphis Community, Academic Program Accreditation, Facilities, Research, and Services, The Graduate School, Cecil C. Humphreys School of Law

5. Services to Students

<u>Admissions</u>, <u>Student Aid</u>, <u>Registration and Student Records</u>, <u>Adult Student Development Services</u>, <u>Student Development</u>, <u>Student Life</u>

6. Expenses

Fees and Charges, Application & Registration Fee Information, Miscellaneous Fees, Student Housing, Appeal Procedures

### 7. Academic Regulations

<u>Appeals</u>, <u>Class Attendance</u>, <u>Classification of Students</u>, <u>Scholastic Standards</u>, <u>Additional Means of Earning Credit</u>

8. Graduation from the University

<u>General Requirements</u>, <u>General Education</u>, <u>Requirements for Teacher Licensure</u>, <u>Catalog Applicability</u>, <u>Second Bachelor's Degree</u>

- 9. Colleges and Degree Programs
- 10. Course Descriptions
- 11. Faculty and Staff
- 12. Tentative 1996-97 University Calendar



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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.
- 1. 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;
  - 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.
- 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.

- 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:
  - 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.
  - 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
  - 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:

- 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 maybe imposed:

First offense: \$50.00
 Second offense: \$100.00
 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 appeallee (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:
  - 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.
  - 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.
- 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. <u>Educational Sanctions</u>. 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. <u>Written Reprimand</u>. A written statement of disapproval delivered to the organization.
- 3. <u>Restrictions</u>. Restrictions of some or all of the organization's activities or privileges including, but not limited to, social and recruitment privileges.
- 4. <u>Community Service</u>. Assignment to work a specific number of hours at a community service agency designated by the Associate Dean.
- 5. <u>Probated Suspension</u>. 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. <u>Expiration of University Recognition</u>. 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;
- 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 agreed-upon activities or behavior. Other records generated during the mediation process will be destroyed.