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Overview
Overview

HISTORY AND LOCATION
The University was established in 1873 as the Southeast Missouri Normal School. By legislative enactment in 1919, the institution became "Southeast Missouri State Teachers' College" and was authorized to grant degrees. The name "Southeast Missouri State College" was adopted on September 21, 1946, by permission of the Missouri General Assembly. The changing curricula and educational mission of the school were reflected in the latest modification on August 24, 1972, when the Board of Regents, acting under authority from the Missouri Legislature, approved the name "Southeast Missouri State University."

Cape Girardeau, the home of Southeast Missouri State University, is situated on the Mississippi River and is one of the oldest cities in Missouri. The city offers a variety of cultural, recreational, educational and health facilities to its nearly 40,000 residents. There are also numerous part-time employment opportunities for students. The University's main campus consists of over 200 acres situated on a hill overlooking the city and the river. A second campus, located on the river in southern Cape Girardeau, is presently under development to house a proposed School of Visual and Performing Arts. In addition, the University administers four outreach facilities - the Harry L. Crisp Bootheel Education Center at Malden, the Sikeston Area Higher Education Center at Sikeston, the Kennett Area Higher Education Center at Kennett, and the Perryville Area Higher Education Center at Perryville - where classes are offered by the University and other members of the Southeast Missouri Educational Consortium.

MISSION, ROLE AND SCOPE
Southeast Missouri State University, recognizing its overall responsibility to provide high quality educational services in the region, the state, the nation, and the world, maintains the following purposes consistent with its mission as a basis for planning. To fulfill its mission and its purpose to pursue excellence in teaching and student learning, the University will:

• Encourage the development of an intellectual orientation by offering a core undergraduate program that stimulates student learning, specifically to think critically; to locate and synthesize knowledge; to develop the capacity for written, oral, and mathematical communication; to understand human experiences and relate them to the present; to integrate the breadth and diversity of knowledge and experience; to make informed value judgments; to appreciate critically their own culture and behavior, as well as the cultures, behaviors, and value systems of others; to make informed aesthetic responses; and to function responsibly in the natural, social, and political environment.

• Assist traditional and nontraditional students in the processes of identifying and achieving appropriate goals, in developing and maintaining a sense of self-esteem and confidence, in increasing their desire for self-directed learning, and in expressing themselves as thoughtful citizens.

• Offer an undergraduate program that extends students' abilities by providing academic and experiential learning opportunities, as well as co-curricular programs, leading to certificates or the associate or baccalaureate degree. Students will be prepared with academic degrees amenable to work situations, advanced education, and life-long learning.

• Provide multi-faceted graduate education leading to the master's, specialist's, or cooperative doctor's degree in academic disciplines with resources of sufficient quality and quantity to support the needs of students. The graduate faculty and students, through research, teaching, and service, work to both create and disseminate current and relevant knowledge in their respective academic disciplines.

• Provide increased access to the University's educational resources through the use of technology, campus centers and on-site instruction for the purpose of acquiring new knowledge and skills, updating knowledge and skills, and satisfying the need for life-long learning.

• Provide a global perspective in its programs that prepares citizens to respond to the challenges of a diverse society. This goal will be accomplished through the integration of international students in academic and student-service programs, the establishment of a variety of exchange programs, the worldwide promotion of the University and its programs, and the development of a global perspective in the community and region.

• Contribute to the general advancement of knowledge and student learning by stimulating and supporting research and other scholarly and creative endeavors consistent with the mission and other academic purposes of the University.
• Exercise leadership in the region by providing services, by offering the expertise of the faculty and staff, and by encouraging participation of students, alumni, and the general community in addressing the diverse needs of the region.

To achieve these purposes, the University strives to create and nurture a diverse and global community which fosters mutual trust and respect among students, faculty, staff, administration, alumni, and other University constituents and which provides for open and amicable expression of differences. It seeks to provide an environment that facilitates involvement in intellectual and cultural activities and fosters informal interaction among students, faculty, staff, administration, alumni, and other University constituents.

To achieve these purposes, the University encourages and seeks to attract and retain a faculty and staff committed to them, sensitive to the variety of ways in which they can be realized, and competent in achieving them. To this end, the University assists in the further education and professional development of its personnel. It seeks to maintain and encourage an administrative cadre which sees as its primary leadership responsibility to create and foster a climate for the realization of these purposes.

Through an active University Foundation, the University strives also to provide the necessary resources, both human and material, to enable the faculty, students, and staff to carry out their responsibilities. In all its activities, the University encourages the achievement of excellence by all members of its various constituencies.

ACCREDITATIONS AND AFFILIATIONS
Southeast Missouri State University is fully accredited by:

• NORTH CENTRAL ASSOCIATION OF COLLEGES AND SCHOOLS
  30 N. LaSalle Street, Suite 2400
  Chicago, IL 60602-2504
  PHONE (312) 263-0456; (800) 621-7440
  FAX (312) 263-7462
• NATIONAL COUNCIL FOR THE ACCREDITATION OF TEACHER EDUCATION

The University holds specific program accreditations from:

• AACSB - THE INTERNATIONAL ASSOCIATION FOR MANAGEMENT EDUCATION
• AMERICAN CHEMICAL SOCIETY
• AMERICAN PARKS AND RECREATION SOCIETY
• AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION
• COMMISSION ON ACCREDITATION OF ALLIED HEALTH EDUCATION PROGRAMS
• COMMISSION ON COLLEGIATE NURSING EDUCATION
• COUNCIL ON SOCIAL WORK EDUCATION
• COUNCIL FOR THE ACCREDITATION OF COUNSELING AND RELATED EDUCATIONAL PROGRAMS
• ENGINEERING ACCREDITATION COMMISSION OF THE ACCREDITATION BOARD FOR ENGINEERING AND TECHNOLOGY
• NATIONAL ASSOCIATION FOR INDUSTRIAL TECHNOLOGY
• NATIONAL ASSOCIATION OF SCHOOLS AND COLLEGES OF MUSIC
• NATIONAL RECREATION AND PARK ASSOCIATION/AMERICAN ASSOCIATION FOR LEISURE AND RECREATION

The University holds specific program approval from:

• COMMISSION ON ACCREDITATION FOR DIETETICS EDUCATION

The institution is a member of:

• AMERICAN ALUMNI COUNCIL
• AMERICAN ASSOCIATION OF COLLEGES FOR TEACHER EDUCATION
• AMERICAN ASSOCIATION OF COLLEGIATE REGISTRARS AND ADMISSIONS OFFICERS
• AMERICAN ASSOCIATION OF UNIVERSITY WOMEN
• AMERICAN COLLEGE HEALTH ASSOCIATION
• COUNCIL OF GRADUATE SCHOOLS IN THE UNITED STATES
• NATIONAL ASSOCIATION OF CAMPUS ACTIVITIES
• NATIONAL ASSOCIATION OF COLLEGE ADMISSIONS COUNSELORS
• NATIONAL ASSOCIATION OF STUDENT PERSONNEL ADMINISTRATORS
• NATIONAL COLLEGIATE ATHLETIC ASSOCIATION
• NATIONAL COLLEGIATE HONORS COUNCIL
BOARD OF REGENTS, SOUTHEAST MISSOURI STATE UNIVERSITY

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   Term Expires January 1, 2005
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   Commissioner of Education
   Ex Officio

SOUTHEAST MISSOURI UNIVERSITY FOUNDATION

   Organized in 1983, the Southeast Missouri University Foundation is responsible for raising and managing private financial resources to further the educational purposes of Southeast Missouri State University.

   The Foundation assists the University in seeking the resources that will significantly enhance the education of students, including support of scholarships, capital construction and endowments.

   Governing the Foundation is a Board of Directors composed of four Foundation officers and a minimum of 30 members-at-large. At least half of the members-at-large must be Southeast Missouri State University alumni.

   The Southeast Missouri University Foundation solicits funds “only for the purposes in keeping with established and approved policies and objectives of the University.” Contributions to the Foundation are tax-deductible to the fullest extent of the law.

ALUMNI ASSOCIATION

   Membership in the Southeast Missouri State University Alumni Association is available to all individuals who have attended the University. The Alumni Association exists for three primary purposes:

   1. To perpetuate desirable customs, spirit and ideals of the University.

   2. To promote in every way the interest of the University and thereby the educational interests of the region.

   3. To establish acquaintances and maintain good fellowship among alumni.

   The policy-making and planning group is called the National Alumni Council. It is composed of an executive committee and alumni representatives who conduct the business of the Association within the framework of the constitution.

   The present council officers are:

   Robert Cox .........................................President
   Mike Parker ........................................Vice-President
   Jane Stacy ........................................Secretary
Admissions

Admission

Admission decisions are made without regard to race, color, creed, gender, disability or national origin.

Applicants for admission must complete an admissions application and return it with a $20 non-refundable processing fee. Applicants must also request their high school counselor and the registrar of each college attended to send complete official transcripts to the Office of Admissions as early as possible, or at least four weeks before enrollment. No student is officially admitted until all high school and college transcripts are reviewed and the Office of Admissions evaluates the official results of the student’s college entrance exam(s) (ACT, SAT or ASSET).

Students interested in applying for the Fall semester are urged to apply through the early admission process. Applications should be submitted to the Admissions Office no later than December 15 to take advantage of certain scholarship, housing, and enrollment privileges. For students who do not take advantage of early Fall admission, applications for the Fall semester should be submitted prior to July 15. Applications for Spring semester should be submitted prior to December 1, and for the Summer semester prior to May 15. Contact the Admissions Office for specific details. Admission to the University does not guarantee admission to specific programs.

Admission of first year students (Freshmen)

Applicants who have graduated from an accredited high school will be considered for admission to the University. Minimum admission requirements are based on class rank and ACT/SAT Assessment standards as well as high school grade point average. Additionally, applicants must complete the required high school core curriculum in effect at the time of admission.

Applicants must complete at least 17 units of preparation in high school including four units of English (two must emphasize composition or writing skills; one may be speech or debate); three units of mathematics (specific subjects required are Algebra I, Algebra II/Intermediate Algebra, and Geometry); three units of social studies; three units of science (not including General Science) one of which must include a laboratory, and one unit of visual/performing arts. Three additional units must be selected from foreign languages and/or the subjects listed above. Two units of foreign language and additional units of science are strongly recommended.

Applicants who are 21 years of age or older are not required to take the ACT/SAT exam. High school transcripts with proof of graduation or completion of GED requirements must be submitted. Alternative testing will be arranged through Testing Services. For additional information, contact the Office of Admissions.

Students who do not meet admission requirements may appeal to the Director of Admissions. The Director of Admissions and/or the University Student Affairs Committee make the final decision regarding admission appeals.

Admission of Transfer Students

Applicants from regionally accredited colleges or universities who have completed 24 transferable semester hours with a cumulative grade point average of 2.0 or higher on a four point scale are considered for admission upon presentation of official transcripts showing statements of credits and honorable dismissal. Applicants who have completed fewer than 24 transferable semester hours must also meet First Year Student admission requirements.

Transfer students under temporary or limited academic suspension from another college may be considered for admission to the University only after the suspension period has been satisfied. Transfer students under indefinite academic suspension from another college are considered for admission only if they appeal to the Director of Admissions and the University Student Affairs Committee and the appeal is granted. For specific information about academic standing, refer to the heading Academic Standing under Academic Policies and Procedures. Appeals must be received no later than one month before the start of the term for which admission is requested. Letters of appeal must include the applicant’s assessment of the reason for earning below average grades and how the applicant plans to overcome past difficulties if accepted.

Articulation Agreement

The University has ratified Articulation Agreements with the public colleges and universities in Missouri, with Mississippi County Community College in Arkansas, with Southwestern Illinois College, John A. Logan College, Kaskaskia College, Lewis and Clark Community College, Rend Lake College, Shawnee College, and Southeastern Illinois College in Illinois, with Paducah Community College in Kentucky, with Dyersburg State Community College in Tennessee, and with Kolej Damansar Utama, INTI, and RIMA Colleges in Malaysia. These agreements state that transfer students will be given every possible advantage, within the limits of the agreements, when transfer credit is evaluated.

Credit Accepted

Credit from other institutions is accepted only to the extent that it counts toward a transfer degree in the institution where it was earned. A minimum of 56.
Semester hours must be earned at an accredited senior college or university. Ordinarily, vocational/technical courses will not be transferable.

Transfer Credit Appeals.

A student has the right to appeal a denial of transfer credit from an accredited Missouri college or university. Questions about awarding of transfer credit should first be addressed to the Office of the Registrar.

If the student’s appeal is denied by the Registrar, a student may petition the University Student Affairs Committee to review the appeal. If the student’s petition is denied by the University Student Affairs Committee, an appeal may be made to the Provost of the University. The Provost is the final level of appeal within the University. A student whose appeal is denied by the Provost may appeal to the state-level committee on articulation and transfer. Appeal requests must state in writing the reason for the appeal and be sent to: Commissioner of Higher Education, Coordinating Board for Higher Education, 3513 Amazonas Drive, Jefferson City, MO 65109.

INTERNATIONAL STUDENT INFORMATION

Applicants from countries other than the United States must file the following credentials with the Office of International Admissions: (1) a completed international application for admission; (2) official scores from the Test of English as a Foreign Language (TOEFL -- 500 on the written test or 173 on the computer-based test is required for admissions) sent directly from Educational Testing Services. The University also accepts the International English Language Testing System (IELTS -- A score of 5 is required for admissions) sent directly from Educational Testing Services. The University also accepts the International English Language Testing System (IELTS -- A score of 5 is required for admissions) sent directly from The University of Cambridge Local Examinations Syndicate (UCLES), The British Council or IDP Educational Assessment Australia. (Applicants whose native language is English or who have completed their secondary education in countries where English is the language of the country and the home are required to submit an ACT or SAT score in place of a TOEFL score. These students, like all students, are tested for writing proficiency skills during orientation.

Students who provide the Registrar with evidence of a degree from an accredited U.S. College or University are tested for writing proficiency skills during orientation.

Students with Transfer Credit from Accredited Schools with Articulation Agreements. Students whose transcripts show transfer credits from accredited schools or schools with whom the University has articulation agreements receive credit for those courses in speech and composition that are determined as comparable to the same courses at Southeast Missouri State University. Students are required to take the writing proficiency test as an indicator of their writing proficiency. Placement is based upon their transfer credit and the proficiency exam is used as an indicator of future success on the 75 Hour Writing Proficiency Test. If they transfer more than 24 hours of credit with a 2.0 GPA or better, the reading test is waived.

International Exchange Students.

International students in good standing who plan to study at the University for a year or less in an official study abroad or exchange program are admitted as visiting students. An official statement from the student’s current school verifying good academic and social standing is accepted in lieu of a transcript. International exchange students must use the “Statement of Standing or Degree” which may be obtained through the Admis-
Transcripts. 
Entering students are responsible for providing the University with copies of official transcripts of secondary and postsecondary education, translated into English. For credit to be awarded from other colleges and universities, official course descriptions translated into English are required.

Students are responsible for the translation of their degree and transcripts and any course descriptions into their native language upon completion of their degree.

The Office of International Programs maintains a list of agencies that assist students with the translation of their degrees, their transcripts, and their course descriptions.

Foreign Language Credit.
Non-native speakers of English who are pursuing a degree that requires study of a foreign language may request that their native language satisfy this requirement. They are advised to contact the Foreign Language Department to have the foreign language requirement waived.

SPECIAL ADMISSIONS
Visiting Students.
Students in good standing at other colleges and universities may be enrolled for one specific academic period as visiting students. An official statement from the student’s current school verifying good academic and social standing is accepted in lieu of a transcript. A "Statement of Standing or Degree" may be obtained through the Admissions Office or by downloading the form from the following site: http://www.semo.edu/admissions/visiting.htm

They are expected to demonstrate English proficiency at a level that allows them to take advantage of all courses for which they are eligible. To be admitted as a visiting student, the applicant must submit a TOEFL score of 500 or higher, have completed secondary education in a system where English is the primary language of instruction, or have completed at least two years in a college or postsecondary institute where English is the primary language of instruction. Visiting students who decide to change to regular degree-seeking admission must follow all the admissions procedures for the appropriate classification (undergraduate or graduate). If they have not done so, students are required to take the ESL tests and appropriate courses regardless of the work completed or their TOEFL score. A waiver may be requested from the ESOL Coordinator. For this reason, students with visiting admission are recommended to take the appropriate placement tests upon arrival.

Early College Credit Program.
The Early College Credit (ECC) program is designed to encourage high school students of outstanding ability to begin earning college credit after completion of their junior year. Students may participate during the summer session and/or their senior year.

To be eligible for the ECC program students must: (1) have a ‘B’ average or equivalent in all high school work attempted or be superior in a specified area of academic work and (2) be recommended by their principal or counselor.

Special Students.
Applicants who do not intend to pursue a degree or other award given by the University may be admitted as Special Students. Special Students who later decide to pursue a degree program must do so through the procedure established for admission of regular students. Credits earned as a Special Student may be applied toward a degree only with the approval of the Registrar and the chairperson of the department in which the student majors. Special Students are not eligible for financial aid.

ORIENTATION
Freshman Orientation.
First STEP (Southeast Testing Enrollment Program) is the required Orientation program for all students who enter the University as a first year student with fewer than 24 college credit hours. First STEP is a one-day program held the semester before a student begins his or her academic career at Southeast. The program includes academic advising and placement testing, registration for classes, residence hall information, services for students living off-campus, financial aid, billing and parking information, campus tours and student ID pictures.

First STEP includes informative programs designed for students and family members. A $50 non-refundable orientation fee, which covers all Southeast orientation events, will be charged to your student account after you attend First STEP. Southeast also offers a Fall Orientation held four days before classes begin in the Fall semester. The Fall Orientation includes academic and social activities in which students interact with the faculty, staff and students of the Southeast community.

Transfer Orientation.
Transfer Orientation is designed for students with 24 or more college credit hours transferring to Southeast Missouri State University. All transfer students are encouraged to attend Orientation, which is offered several times throughout the year. This one-day session includes academic advising and registration for classes, residence hall information, services for off-campus students, financial aid, billing and parking information, campus tours and student ID pictures. A $30 non-
refundable orientation fee, which covers all Southeast orientation events, will be charged to your student account after you attend Transfer Orientation.

**International Student Orientation.**
International Student Orientation is required for all first-time international students prior to their enrollment at Southeast. Placement tests in English language skills are taken during orientation. Students are given information about living in the United States and specifically the Cape Girardeau area. International Student Orientation is held the week before the start of each semester.

**ADMISSION TO BUSINESS ADMINISTRATION DEGREE PROGRAMS**
Students interested in pursuing a business degree should contact the Harrison College of Business Academic Advising Center for specific degree requirements and to complete a Declaration of Major form. Students are formally admitted to the Harrison College of Business when the following prerequisites have been met:

1. Completion of 60 semester hours.
2. Completion of: AC 221, AC 222, AD 101, BL 255, EC 215, EC 225, EN 140, MA 134, MA 139 or MA 140, MG 252, QM 257, and SC 105 with a grade of ‘C’ or better.
3. An overall grade point average of 2.25.
4. Students are required to register with Career Services when they are admitted to the Harrison College of Business. There is no fee associated with this registration.

Business Students must be admitted to the College of Business Prior to enrolling in upper division (300 level or above) business courses.

**Retention Requirements:**
1. A cumulative grade point average of 2.25.
2. A grade point average of 2.25 in upper division (300 level and above) courses in the major.
3. A grade of ‘C’ or better in upper division core courses: MG 301, MK 301, FI 361, MI 375, MG 358, QM 352, BA 490 and the international business course.

**Graduation Requirements:**
1. An overall grade point average of 2.25.
2. A grade point average of 2.25 in upper division (300 level and above) courses in the major.
3. A grade of ‘C’ or better in upper division core courses: MG 301, MK 301, FI 361, MI 375, MG 358, QM 352, BA 490 and the international business course.

Fifty percent of an individual’s business degree program (62 hours) must be comprised of non-business courses.

Fifty percent of the business hours counted toward a business degree must be taken at Southeast Missouri State University.

**ADMISSION TO COMMUNICATION DISORDERS PROGRAM**
The Declaration of Major does not constitute admission to the program. Students may complete the Declaration of Major form and be assigned an advisor within the Department of Communication Disorders anytime after they have been admitted to the University and have begun attending classes.

A student who has declared the major and wishes to be considered for admission to the undergraduate program must meet the following criteria for admission:

1. Present a minimum score of 22 on the Enhanced ACT Assessment.
2. Completion of a minimum of 30 semester hours of college level courses with a minimum grade point average of 2.5 on a 4.0 scale.

**Graduation Requirements:**
In addition to fulfilling all university requirements for graduation, students wishing to graduate with a major in Communication Disorders must satisfy the following criteria:

1. Present a minimum overall grade point average of 2.5.
2. Present a minimum grade point average of 2.75 in the major.

**NOTE:** The undergraduate program, leading to the Bachelor of Science degree, is considered a pre-professional program. As such, it prepares students for graduate work in the discipline. Students should become familiar with the admission standards for graduate school and attempt to meet the minimum requirements for admission while they are enrolled in the undergraduate program.

**ADMISSION TO BACHELOR OF FINE ARTS - ART MAJOR DEGREE PROGRAM**
All Art majors are provisionally admitted as candidates for the BA degree in Art. Upon successful completion of the five foundation courses (15 hours), all art students will submit to the Foundation Review. Foundation Review is a portfolio evaluation conducted by faculty and designed to qualify students for acceptance into the Bachelor of Fine Arts (BFA) degree program and to assist in placing them in one of eight available areas of study in the Department of Art. Successful completion of the Foundation Review renders a student eligible to apply for admission to the BFA degree program. Successful BFA candidates must then submit a new declaration of major form.
ADMISSION TO ATHLETIC TRAINING EDUCATION PROGRAM (Health Management Major: Athletic Training Option)
Any student wishing to be formally admitted into the Health Management: Athletic Training Option program of study must meet the following criteria by the completion of the Spring Semester of application:

1. Gain admission to Southeast Missouri State University;
2. a) Declare Health Management major, Exercise Science option in the department of Health, Human Performance and Recreation;
   b) Meet with the ATEP director to discuss athletic training and application intention.
3. Complete the following prerequisite courses with a grade of “C” or higher by the end of the semester of application: HL 251, HL 280, MA 134 or higher, EN 140, PY 101, BS 113, and BS 114. HL 280 must be taken at Southeast Missouri State University.
4. A minimum cumulative grade point average of 2.5.
5. Have valid certifications (or the equivalent) in Adult Cardiopulmonary Resuscitation - American Red Cross.
6. Completion of a minimum of 30 observation hours under the direct supervision of an Approved Clinical Instructor from Southeast Missouri State University. These hours will be coordinated as part of HL 280.
7. Formal application involves:
   a) completion of a program application;
   b) submission of official transcripts of all high school and post-secondary academic work;
   c) three standardized recommendation forms;
   d) an interview with the selection committee, which is comprised of the ATEP faculty, approved clinical instructors, administrators, and two to three graduating ATEP students;
   e) compliance with Technical Standards for Admission (http://www5.semo.edu/health/atep/admin.asp).

Selection into the ATEP is competitive and satisfaction of the minimum requirements does not guarantee admission. Following selection, completion of the program requires a minimum of five consecutive semesters or two and one-half academic years.

Retention Requirements:
Students will be retained within the Health Management: Athletic Training option Program of Study providing the following criteria are maintained throughout their undergraduate experience.

1. Receive a grade of “C” or better in all required coursework within the major.
2. Maintain a cumulative grade point average of 2.5 on all work attempted.
3. Maintain a cumulative grade point average of 2.5 within the major.
4. Maintain a semester grade-point average of 2.5 on all work attempted.
5. Receive positive clinical evaluations from the Approved Clinical Instructors in the ATEP.

A student falling to receive a "C" or better in any coursework within the major will not be allowed to continue into more advanced course work until the grade is improved.

Once a student’s cumulative GPA has fallen below 2.5 (either in the major or overall) the ATEP Director will place this student on academic probation for the next semester (fall or spring term). If the student does not improve his/her cumulative GPA to a 2.5 during this probationary period or comply with probationary guidelines in the ATEP handbook, he/she will be released from the ATEP.

If a student’s semester GPA falls below 2.5 the ATEP Director will assign the student to academic assistance, consisting of weekly study hall hours and time management counseling. Two consecutive semesters of academic assistance will result in the student being placed on academic probation (see probation guideline in paragraph above).

ADMISSION TO MASS COMMUNICATION PROGRAM OPTIONS
Any student wishing to be formally admitted into the advertising, journalism, media studies, public relations, radio or video production options within the Department of Communication must complete the Declaration of Major form and meet the following criteria:

1. Completion of a minimum 15-semester hours at Southeast Missouri State University or transferred from an accredited college or university.
2. Attain a minimum cumulative grade point average of 2.5 on a 4.0 scale.
3. Completion of EN 140 with a minimum grade of “C.”

Retention Requirements:
Students will be retained within the option of study providing the following criteria are maintained throughout their undergraduate experience.

1. Receive a grade of “C” or better in all required coursework within the major.
2. Maintain a minimum cumulative grade point average of 2.5 on a 4.0 scale.
3. Maintain a minimum grade point average of 2.5 for all coursework within the Mass Communication major.
A student failing to fulfill any of the above requirements will not be allowed to continue with more advanced coursework until the above criteria are met.

Graduation Requirements:
In addition to fulfilling all university requirements for graduation, students wishing to graduate with a major in Mass Communications must satisfy the following criteria:
1. Present a minimum overall grade point average of 2.5 on a 4.0 scale. Present a minimum departmental grade point average of 2.5 on a 4.0 scale.
2. Present a minimum of “C” or better in all required coursework within the major.
3. Complete no more than 34 hours in the MC prefix courses.
4. Complete 90 hours outside of the major with 65 of those hours selected from traditional Arts and Science courses.
5. Complete a required experiential learning opportunity (MC 486 Mass Communication Internship or MC 491-496) with a minimum of 180-clock hours under the direct supervision of the Department of Communication and a cooperating professional agency.
6. Complete an approved minor.
7. Completion of an assessment activity MC 001 Senior Exit Interview.

ADMISSION TO NURSING PROGRAM
Students seeking a Bachelor of Science Degree in Nursing are admitted as incoming freshmen. Students are admitted twice yearly, and should apply to the Department of Nursing Student Affairs Committee. This is a separate process from admission to the University and requires that a separate application be submitted directly to the Department of Nursing. Applications are available in the Department of Nursing or can be downloaded from the Department web site at http://www2.semo.edu/nursing. Deadline for application for fall admissions is March 15; for spring admissions, the deadline is October 15. Admission is on a competitive basis, and is based on a combination of ACT score and high school class rank. If applicants have 24 hours or more of college course credit, cumulative GPA will be the admission criterion. A minimum GPA of 2.5 is required. Qualified students will be admitted until the class is full. Students not meeting admissions criteria will be evaluated on an individual basis and may be conditionally admitted to the program. Students who wish to qualify for admission and progression in the nursing program must meet performance requirements, as well as academic requirements. Performance requirements include cognitive, sensory, affective, and psychomotor competencies. A student must, with or without reasonable accommodations, satisfy these requirements. Potential students may access these performance requirements via the BSN Student Handbook on the Department of Nursing website and review “Other Specific Nursing Program Policies.”

A student who receives a grade below a “C” in a nursing course or required support course may not continue in the nursing program. However, he/she may apply for readmission. Students desiring readmission must address a letter of petition to the Department of Nursing Student Affairs Committee prior to the requested date of enrollment, must meet all current criteria for admission, and must have completed requirements and prerequisites for the requested level of entry. Readmission is dependent on record review, program space, and evidence that successful progress can be made toward degree completion. If a student fails a second nursing course or required support course, he/she cannot continue in the nursing program and will not be eligible for admission at any time thereafter.

Transfer Students.
Admission of transfer students is on a competitive basis. Students who seek to be admitted by transfer must meet all University and department requirements, have completed all prerequisite courses, and must supply transcripts and course descriptions of previous coursework in nursing.

Licensure.
To write the National Council Licensure Examination (NCLEX-RN) the applicant “shall be of good moral character and have completed at least the high school course of study, or the equivalent thereof as determined by the state board of education, and have successfully completed the basic professional curriculum in an accredited school of nursing” (Section 335.046 - State of Missouri Nursing Practice Act).

Completion of the nursing education program does not guarantee eligibility to write the NCLEX. (Section 335.066, Missouri Nursing Practice Act) The Missouri State Board of Nursing requires fingerprinting and a criminal background check for every applicant three months prior to graduation.

Legal Limitations for Licensure.
The Missouri State Board of Nursing, based on the Missouri Nursing Practice Act, Section 335.066 may refuse to issue a license based on a criminal prosecution prior to Admission or during the curricular sequence for the nursing program. Students found to be convicted of serious crimes (felonies or substance abuse) will be reviewed by the Student Affairs Committee and may be suspended from or denied admission to the Nursing Program.
Registered Nurse Students.
Graduates from associate degree or diploma programs are admitted to the program at the junior level. After completing NS 390 Framework for Professional Nursing, 36 hours of credit for previous nursing coursework will be awarded and the student will progress to senior level. Qualified students will be admitted until the class is full. Application deadline is April 30. Registered Nurse students should contact the Department of Nursing for specific curriculum information.

ADMISSION TO SOCIAL WORK PROGRAM
Students wishing to be formally admitted into the social work major must meet the following admission criteria:
1. Completion of 45 semester hours with a minimum cumulative grade point average of 2.25 overall.
2. Completion of the following coursework with a minimum grade of ‘C’; SO 102; PY 101; BS/SW 103; SW 110*; SW 200*; SW 207*; SW 221*; (or another course approved by the advisor).
3. Completion of all developmental courses (if applicable).
4. Submission of an application to the Department of Social Work.
*SW 110, SW 200, SW 207 and SW 221 may NOT be repeated for admission to the social work major without written permission from the Chair of the Department of Social Work.

Retention Requirements:
Students will be retained as social work majors providing the following retention criteria are met:
1. Completion of the following foundation courses with a minimum grade of ‘C’; SO 242 or PY 271; SW 307; SW 308; SW 310; SW 321; SW 322; SW 323; SW 342.
2. Maintain a cumulative grade point average of 2.25 each semester.
3. None of the foundation courses can be retaken more than once without written approval from the Chair of the Department of Social Work.

Graduation Requirements:
In addition to fulfilling all University requirements for graduation social work majors must satisfy the following criteria:
1. A cumulative grade point average of 2.25.
2. Completion of integrated seminar and practicum, i.e., SW 449 with minimum grade of ‘C’.
3. Completion of a 480 hour practicum, i.e., SW 450 and SW 451 (Credit/No Credit).

ADMISSION TO TEACHER EDUCATION PROGRAMS
To be eligible for credit in professional education courses applied toward an Education degree (BSE, BSFCSE, BME) or a teaching certificate, students must apply to and be approved by the Committee on Admission to and Retention in Teacher Education Programs. Students should apply for admission to teacher education immediately prior to enrollment in Block II. The student may not take Elementary Block II, Secondary Block II, or succeeding professional education courses without being admitted to teacher education. The Committee on Admission to and Retention in Teacher Education Programs is required to certify that every teacher candidate meets certain specified criteria which satisfy accrediting agencies, regulations, and state law.
To be admitted to the program, the student must:
1. have a 2.5 cumulative grade point average;
2. complete with a minimum grade of ‘C’ EN 100 and EN 140 (or equivalents);
3. not be on disciplinary probation;
4. have a written recommendation from the Block I (EL 120/SE 222) instructor;
5. meet the following testing requirements:
   A. C-BASE (College Basic Academic Subjects Examination) score of 265 on all sections (including writing) AND any ACT Assessment or SAT (Scholastic Aptitude Test) score; OR
   B. C-BASE (College Basic Academic Subjects Examination) score less than 265 but 235 or higher on all sections AND an ACT Assessment of 22 or SAT (Scholastic Aptitude Test) score at or above the 66th percentile.
After admission, students must meet the requirements for retention in teacher education programs. The requirements for retention and for exit have been published in the College of Education Faculty Handbook, which may be obtained from the College Advising Office, Room 304, Scully Building. Students should note that a passing score on the appropriate NTE (PRAXIS II) is an exit requirement of the Teacher Education Program. Regardless of printed program requirements, any changes or additions mandated by the State of Missouri will become effective on the date cited by the regulations.

Students transferring into education programs need to be aware of the need to be eligible for admission to teacher education immediately upon transfer and should contact the College of Education Advising Office, Scully Building, Room 304, (573) 651-2412, well in advance of the time of transfer. It is especially...
important that transfer students in the College of Education have ACT Assessment scores on file with the University’s Office of Admissions before enrolling in classes. If the ACT Assessment was taken in high school, students should verify that a high school transcript containing ACT Assessment scores has been forwarded to the Office of Admissions, Academic Hall, Room 259, (573) 651-2255.

Missouri Teacher Certification Requirements
Upon completion of Southeast’s Teacher Education Program individuals are eligible to be recommended for a Missouri Teaching Certificate. The certification process includes the requirements of:
1. receiving a passing score on the Praxis II exam as required by the Missouri Department of Elementary and Secondary Education;
2. an FBI background clearance no earlier than six months prior to the date of the application for certification.

License applications should be submitted to the Certification Office, Scully Hall, Room 304D.

Fees

STUDENT ACCOUNTS
Fee/Policy Changes.
All fees and financial policies are subject to change by the Board of Regents without prior notice. Students should refer to the Semester Schedule of Classes for current semester fees and policies.

Application Fee.
All new students must submit a non-refundable $20 (domestic students) or $100 (international students) processing fee with the admission application.

Incidental Fees.
Incidental fees are charged to cover expenses not funded by the State of Missouri. For students who are not Missouri residents, a non-resident fee is charged in addition to the incidental fee. Upon request, Student Financial Services will furnish students with a copy of "A Policy for Classification of Students for Fee Paying Purposes," which clarifies residency status for fee-paying purposes. Information is available from Student Financial Services relating to credits for Missouri income taxes paid which may be allowed toward the non-resident fee charges.

Specific information on incidental fees is available online at http://www.semo.edu/financing/options.htm.

Special Course Fees.
Special course fees in varying amounts are assessed for certain courses to cover the costs of consumable supplies, specialized equipment, and/or other expenses unique to the course. These fees are published and available in the Student Financial Services Office, Room 123, Academic Hall, or online at http://www.semo.edu/financing/options.htm.

General Fees.
General fees are assessed for courses taken both on and off the University’s main campus. The on-campus general fee supports certain on-campus facilities and student activities; the off-campus service fee supports expenses unique to providing instruction at remote locations.

Late Enrollment Fee.
Students enrolling on or after the first day of classes for the semester are charged a non-refundable $15 late enrollment fee.

Pre-Registration Late Payment Fee.
Students are charged a $25 late payment fee for payments made after the pre-registration billing due date.

Late Payment Fee for Non-Preregistered Students.
A $15 charge will be applied to students’ accounts who register after the pre-registration enrollment period and do not pay by the due date communicated during the enrollment process (i.e., web registration).

**NOTE: These students do not receive a billing statement.**

Textbook Rental/Purchase.
Undergraduates may rent or purchase textbooks. Rental rates are $14 plus tax per course for the 2003-2004 academic year. Graduate students are required to purchase textbooks.

Graduation Fee.
A $35 graduation fee is charged to each student who applies for a degree.

Returned Check Fee.
All checks payable to the University are subject to a $20 fee for each returned check. Students who have checks returned may lose check cashing privileges and be subject to disciplinary action. Personal checks will not be accepted for payment of returned checks. Returned checks must be paid by cash, money order, certified check, Visa, Mastercard, or Discover.

The campus banking facility will be responsible for collecting all returned checks cashed by it. However, returned checks will be reported to Student Financial Services and treated as a returned check offense.

Housing Fees.
The residence halls on campus offer a variety of options in living arrangements and different meal plans. The room and board fees vary depending on the accommodations and meal plan that students choose. Additional fees charged to all students with a contracted
room include: a Residence Hall Association fee for educational, social, and developmental programming in the residence halls; a voice services fee; a video services fee; and a data services fee. These fees are billed separately from the room rate. Contact the Office of Residence Life at 573/651-2274 or http://www4.semo.edu/reslife for more information on fees and costs.

Payment of Account Balances.

Students are required to pay their account balances by published deadlines using one of the following payment methods: (1) Payment in full; (2) Deferral by confirmed financial aid; (3) Enrollment in the Installment Payment Plan.

Students must pay all outstanding balances before being eligible to re-enroll, obtain a class schedule, or receive other University services. Transcripts will not be released for students having debts due the University. All students are obligated to pay promptly all charges owed on their account, including all attorney fees, collection agency referral fees, and other reasonable collection costs to collect unpaid balances.

A statement of account is mailed monthly to each actively enrolled student who has a balance due the University. “Minimum amount due” balances not paid by the stated due date will result in a late payment fee per month and the possibility of cancellation of class schedules and housing contracts.

Installment Payment Plan.

The installment payment plan is available for students who do not pay the semester’s charges in full by the payment due date. The installment payment plan allows enrollment fees and housing charges to be paid in four monthly payments during the Fall and Spring semesters. An installment payment plan is not available for Summer sessions.

Students may sign up for the Installment Payment Plan by indicating their choice on their Statement of Account and Class Schedule form and returning the form prior to the beginning of a semester or by completing the on-line application at http://www.semo.edu/mysoutheast (Financial Account Information option). The first payment must accompany the application to be enrolled in the Installment Payment Plan. Students are charged a $15 fee per semester to place enrollment fees on the plan and a $15 fee per semester to place housing charges on the plan. Failure to make payments when due will result in a $15 late fee for enrollment fees and a $15 late fee for housing charges on the installment plan. Contact Student Financial Services with any questions.

Financial Probation/Suspension/Withdrawal.

If a student’s account is past due, the student may be placed on “financial probation.” When after University efforts to notify the student of financial probation, the student does not take appropriate action to pay delinquent charges, the student may be placed on “financial suspension.” When “financial suspension” occurs, the student is ineligible to attend classes, take examinations, receive grades, or participate in University-sanctioned events.

If the delinquent charges that caused the financial suspension are not resolved by a specific date established by the Student Financial Services Office, the financially suspended student will be administratively withdrawn from the University.

Refunds.

Students can withdraw from the University or drop specific classes using the web registration system, until the published “Last Day to Drop a Class.” After that date, students must contact the Office of the Registrar. The effective date of the withdrawal/dropped class is the date the class or classes are deleted from the student’s computer record through web registration or the date the withdrawal/cancellation is received by the Office of the Registrar for undergraduate students or the Graduate Office for graduate students.

For students withdrawing/canceling all classes, Student Financial Services will refund fees approximately three weeks after withdrawal/cancellation is processed. All balances due to the University as a result of other obligations will be deducted from the amount to be refunded. Any remaining balance due the student will be mailed to the student.

A "Request for Refund of Credit Balance" form, available at the Student Financial Services Office, must be completed by the student dropping hours (but not withdrawing) to initiate the processing of a refund check. All balances due the University will be deducted from the amount to be refunded.

Based on the withdrawal/dropped class effective date, the following refund Schedules for fees will apply:

<table>
<thead>
<tr>
<th>Percentage of Fee Refunded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular Academic Year</td>
</tr>
<tr>
<td>Through the first two days of session</td>
</tr>
<tr>
<td>Remainder of the first week of session</td>
</tr>
<tr>
<td>Second week of session</td>
</tr>
<tr>
<td>Third week of session</td>
</tr>
<tr>
<td>Fourth week of session</td>
</tr>
<tr>
<td>After the fourth week of session</td>
</tr>
</tbody>
</table>
Students who add and drop different types of classes in the same refund period will be charged for the added class and credited the appropriate percentage for the dropped class. Sixteen week, eight week, six week, four week, and three week classes are different types of classes.

Southeast Missouri State University complies with Federal regulations regarding refunds on student accounts having Federal Title IV program funds applied to the account. This includes student loans, Pell Grants, Perkins loans, or SEOG. When a student withdraws from the University, Federal regulations mandate the amount and order of Federal Title IV funds that must be returned to the student’s lender (in the case of a student loan) or to the Pell Grant or the Perkins loan based on the University’s last documented date of class attendance for the student. In some cases the mandated return of Federal Title IV funds will leave an unpaid balance on the student’s account for which the student is responsible.

Refund examples may be picked up from the Student Financial Services Office, 123 Academic Hall. Should you have questions regarding the return of Federal Title IV funds from your account, contact Student Financial Services.

Refund appeals for exceptional circumstances must be directed in writing to Student Financial Services; attn: Student Accounts. This appeal must be initiated prior to the beginning of the next academic term, e.g., Fall appeal must be filed by the beginning of the Spring Session.

Direct Deposit Program. All credit balance refunds on student accounts are eligible for direct deposit. A refund resulting from a Stafford loan, Perkins loan, SEOG, or Pell Grant will be transferred automatically to the student’s checking account. For refunds from sources other than federal aid the student should complete the “Request for Refund of Credit Balance” form at the Student Financial Services Office to initiate the refund process. Direct deposit is available for funds from the student account or for student employment paychecks, and is available for any bank in the United States.

### Academic Policies

#### ACADEMIC POLICIES AND PROCEDURES

**ABSENCE FROM CLASS**

Students are expected to attend all classes and to complete all assignments for courses in which they are enrolled. An absence does not relieve the student of the responsibility to complete all assignments. If an absence is associated with a university-sanctioned activity, the instructor will provide an opportunity for assignment make-up. However, it is the instructor’s decision to provide, or not to provide, make-up work related to absences for any other reason.

A student not present for class during the entire initial week of a scheduled course may be removed from the course roster unless the student notifies the instructor by the end of the first week of an intention to attend the class. Questions regarding the removal process should be directed to the Registrar.

Attendance is required at all class meetings of developmental courses. (See Developmental Courses.)

**ACADEMIC FRESH START POLICY**

The Academic Fresh Start policy is an appeals procedure that allows a student returning to Southeast Missouri State University after a prolonged absence to request academic forgiveness of prior cumulative grade point average. The policy is designed for undergraduate students who have gained maturity outside of higher education and have demonstrated acceptable academic
Fresh Start policy is subject to the following conditions:

1. Academic Fresh Start applies only to returning undergraduate students who had previously completed 30 semester hours or less and have had an absence of at least three calendar years from any post-secondary institution.

2. Academic Fresh Start will affect all courses (including transfer credit) taken prior to the three-year absence. None of these courses, regardless of grade, will count toward a degree. It may be elected only once and is irrevocable.

3. A minimum of 12 semester hours of graded courses with a grade point average of 2.0 must be completed after returning to Southeast before an Academic Fresh Start may be requested. For purposes of consideration for Academic Fresh Start, degree and non-degree credit courses will be used to compute grade point average. No requests will be considered if the student is a first-time freshman.

4. The student must submit a written request to the Office of the Registrar. The request must have written approval of the student’s advisor or designee.

With the approval of the University Registrar, the student will be granted an Academic Fresh Start. The student’s permanent academic record will remain a record of all coursework completed, including transfer credit recorded on the permanent academic record. Courses taken prior to the three-year absence will not be used in computing grade point average and CANNOT be used to meet any requirements (e.g., degree, prerequisites, certification).

NOTE: Academic Fresh Start is a policy of Southeast Missouri State University and may not be recognized by outside agencies or other institutions.

ACADEMIC HONESTY

Academic honesty is one of the most important qualities influencing the character and vitality of an educational institution. Academic misconduct or dishonesty is inconsistent with membership in an academic community and cannot be accepted. Violations of academic honesty represent a serious breach of discipline and may be considered grounds for disciplinary action, including dismissal from the University.

Academic dishonesty is defined to include those acts which would deceive, cheat, or defraud so as to promote or enhance one’s scholastic record. Knowingly or actively assisting any person in the commission of an above-mentioned act is also academic dishonesty.

Students are responsible for upholding the principles of academic honesty in accordance with the "University Statement of Student Rights" found in the STUDENT HANDBOOK. The University requires that all assignments submitted to faculty members by students be the work of the individual student submitting the work. An exception would be group projects assigned by the instructor. In this situation, the work must be that of the group. Academic dishonesty includes:

Plagiarism.

In speaking or writing, plagiarism is the act of passing someone else’s work off as one’s own. In addition, plagiarism is defined as using the essential style and manner of expression of a source as if it were one’s own. If there is any doubt, the student should consult his/her instructor or any manual of term paper or report writing. Violations of academic honesty include:

1. Presenting the exact words of a source without quotation marks;
2. Using another student’s computer source code or algorithm or copying a laboratory report; or
3. Presenting information, judgments, ideas, or facts summarized from a source without giving credit.

Cheating.

Cheating includes using or relying on the work of someone else in an inappropriate manner. It includes, but is not limited to, those activities where a student:

1. Obtains or attempts to obtain unauthorized knowledge of an examination’s contents prior to the time of that examination.
2. Copies another student’s work or intentionally allows others to copy assignments, examinations, source codes or designs;
3. Works in a group when she/he has been told to work individually;
4. Uses unauthorized reference material during an examination; or
5. Has someone else take an examination or takes the examination for another.

General Responsibilities for Academic Honesty.

It is the University’s responsibility to inform both students and faculty of their rights and responsibilities regarding such important matters as cheating and plagiarism. Most of what is considered unethical or dishonest behavior can be avoided if faculty and students clearly understand what constitutes such practices and their consequences. The University community should also be aware of the procedures to be followed should a breach of academic honesty occur.

The faculty member is responsible for clarification to his/her class of those standards of honesty for class assignments or functions where such standards may be unclear or when such standards vary from the accepted norm. Further, some faculty may choose to utilize preventive measures (multiple exams, alternate seating, etc.)
to help insure the maintenance of academic honesty. However, the use of such measures is the prerogative of the individual faculty member and is not a responsibility or requirement of faculty in general.

The fundamental responsibility for the maintenance of honesty standards rests upon the student. It is the student’s responsibility to be familiar with the University policy on academic honesty and to uphold standards of academic honesty at all times in all situations.

Steps for Remedial Action. It is the responsibility of the faculty member to resolve cases of academic dishonesty in his/her own classroom or examination room. Any action to resolve questions of academic dishonesty must be an appropriate academic decision based on University guidelines. Permanent suspension from class or dismissal from the University are not prerogatives of the faculty members. Additionally, faculty members should treat details of a breach of academic honesty with appropriate discretion. In particular, faculty members should make sure that every student charged with academic dishonesty is afforded due process, as follows:

1. While academic dishonesty should be stopped immediately without causing undue classroom disruption, steps taken to resolve the matter should be pursued outside the classroom through dialogue between the faculty member and the student. If the issue is unresolved, the department chairperson may be asked to resolve the matter.

2. A meeting of the faculty member, student, and chairperson would then be held to resolve the issue. If the issue is unresolved, an appeal may be made by the student or faculty member to the Dean of the College.

3. A meeting of the faculty member, student, chairperson, and Dean of the College would then be held to resolve the issue. The Dean will be advised by two students from the Student Judicial Board, and two faculty members in the Faculty Senate from colleges other than the one in which the dispute arose.

ACADEMIC STANDING

Any time a student’s cumulative grade point average (GPA) is below 2.0, the student will be placed on academic probation and enrollment will be limited to 12 hours per semester. The student will remain on academic probation and must earn a semester GPA of 2.0 in each subsequent semester until the cumulative GPA is at least 2.0. A student on probation who earns a semester GPA of less than 2.0 will be subject to suspension.

Students who are subject to suspension will have their records reviewed. The following actions may be taken: (1) conditions will be specified for the student’s continued probation; or (2) the suspension of the student will be confirmed.

A student who has been suspended may appeal in writing to the University Student Affairs Committee. The appeal must be made by the date stated in the student’s notification of suspension. Notification of suspension will be sent to the student’s permanent address. Students are obligated to have a current permanent address on file with the Office of the Registrar.

The Committee may take the following actions: (1) specify conditions for the student’s continued probation; or (2) confirm the suspension of the student.

Students suspended at the end of a spring semester will not be allowed to enroll until the next spring semester; students suspended at the end of a fall semester will not be allowed to enroll until the next summer session; students suspended at the end of a summer session will not be allowed to enroll until the next spring semester.

Students who have been academically suspended more than once will be disqualified from attending the University for at least one semester. They may petition the Committee for readmission to the University after a minimum one-semester absence. The Committee may take the following actions: (1) specify conditions for the readmission of the student; or (2) deny readmission of the student to the University.

In order to enroll, students who have been suspended must inform the Office of the Registrar of their intention to return.

ADVANCED PLACEMENT

Previous achievement may be formally established by examination by furnishing documented evidence that the equivalent of a required course has been completed. Detailed information about advanced placement may be obtained from Testing Services, (573) 651-2836. (See Credit by Examination)

ADVISING

Each student is assigned an advisor. Each school or college has an advising office which coordinates advising in that school or college. Undeclared first-year students are advised by the University Studies Advising Center. Students who have declared a major are advised by faculty in their major departments. Questions regarding advising or declaration of major should be directed to the appropriate school or college advising office.

Donald L. Harrison College of Business Advising Dempster Hall, room 104
(573) 651-5090
BULLETIN REQUIREMENTS/STUDENT RESPONSIBILITY

Students are responsible for knowing and meeting graduation requirements stated in the BULLETIN current at the time of their initial enrollment as freshmen. Transfers from colleges and universities with which Southeast has an articulation agreement are permitted to complete degree requirements in effect in the BULLETIN at the time of their initial enrollment at that institution. Students may choose to be graduated under degree requirements stated in the latest BULLETIN. Changes in degree requirements, including majors and minors, do not apply unless students have interrupted their enrollment for at least one calendar year. In this event, the BULLETIN in effect at the time of readmission is used to determine degree requirements. The University reserves the right to modify or change any academic program subject to any limitation imposed by law. Changes in prerequisites are effective immediately.

The BULLETIN is the only OFFICIAL statement of requirements for each degree. Students are solely responsible for meeting these requirements.

No course may be substituted to meet degree requirements except with the approval of the Registrar and the appropriate department chairperson. To avoid any possible delay in graduation, students should obtain written permission prior to scheduling a course that they believe may be substituted for a required course.

CANCELLATION OF ENROLLMENT

(See Enrollment)

CANDIDATES FOR TWO DEGREES

Students may earn two degrees by completing the requirements for both, and provided that they have also earned at least 144 semester hours of degree credit.

CHANGE OF GRADE

(See Grades)

CHANGE OF MAJOR

(see Declaration of Major)

CHANGE OF SCHEDULE

(See Enrollment)

CLASSIFICATION OF STUDENTS

Classification of students is determined by the number of semester hours earned. Degree credit courses and developmental courses are used to determine a student’s classification as freshman, sophomore, junior and senior.

Freshman.

Students who have completed fewer than 30 semester hours are classified as freshmen. Students with fewer than 15 semester hours completed may enroll in courses numbered 000-199. Students with 15-29 semester hours completed may take courses numbered 000-299.

Sophomore.

Students who have earned 30-59 semester hours are sophomores. Students who have completed from 30-44 semester hours may enroll in courses numbered 000-299. Students with at least 45 semester hours completed may enroll in courses numbered 000-599.

Junior.

Students with 60-89 semester hours completed are juniors. They may enroll in courses numbered 000-599.

Senior.

Students with 90 semester hours completed are seniors. They may enroll in courses numbered 000-599.

Visiting Student.

Students in good standing at other accredited colleges or universities may be enrolled for one academic period as a visiting student. An official statement from the student’s current school verifying the student’s good academic standing must be provided to the Office of Admissions prior to enrolling.

Dually Enrolled Student.

Students who have not completed their undergraduate degree, but who are permitted by the Dean of the School of Graduate Studies and Extended Learning to enroll in graduate courses, are classified as dually enrolled students.

Graduate Student.
Students who have been accepted into the School of Graduate Studies and Extended Learning are classified as graduate students. Refer to the GRADUATE BULLETIN for more information.

COMMENCEMENT
(See Graduation)

CONSTITUTION REQUIREMENT
In order to graduate from Southeast, students must comply with the state law known as Senate Bill No. 4, 1947 (Mo. Rev. Stat. Sec. 170.011), which states that students must be "given regular courses of instruction in the Constitution of the United States and of the State of Missouri, and in American history including the study of American institutions." Students meet this requirement by completing the Political Systems requirement of the University Studies program. Transfer students who have had a course in American government that did not include a study of the Missouri constitution must complete PS 220 Missouri Government, a one-hour course.

CORRESPONDENCE COURSES
Correspondence courses are not offered by the University. Such work, if applicable to degree requirements, is accepted by transfer from a regionally accredited college or university subject to the limitations noted below. Students may not be enrolled in the University and take correspondence courses without the permission of the Registrar, nor may they take a correspondence course if the same course is offered on campus. University Studies Interdisciplinary courses (UI prefix) and courses which include laboratory class meetings as part of the schedule on this campus may not be taken by correspondence.

Before enrolling in a correspondence course, students should consult the Office of the Registrar regarding its acceptability. Total hours and prerequisite restrictions required for residence courses are also applicable to correspondence courses.

Credit Limitations.
Correspondence courses in techniques of teaching are not transferred.

On a major or minor, not more than one-half of junior college nor more than one-half of senior college work may be completed by correspondence. No more than 10 hours of correspondence work may be taken in any twelve month period.

COURSE NUMBERING SYSTEM
Courses numbered 000-099 are classified as developmental courses. Courses numbered 100-299 are designated as junior college (lower division) courses.

Courses numbered 300-599 are designated as senior college (upper division) courses.

Workshop courses are numbered 800-866. Workshops numbered 800-833 are open to all undergraduate and graduate students and are awarded lower division credit. Those numbered 834-866 are open to undergraduate students who have completed 45 semester hours of credit and to graduate students; undergraduates are awarded upper division credit; graduate students are awarded graduate credit.

CREDIT BY EXAMINATION
This program assists people in gaining recognition for knowledge gained and skills acquired through non-academic approaches to learning. College credit earned by examination may be counted toward University Studies, major, minor or elective requirements. A maximum of 30 semester hours of combined credit from AP, CLEP, DE, CPS, and IB options may be counted toward a single degree.

Currently enrolled students and students who have applied for admission but have not yet enrolled may avail themselves of the credit by examination programs. Credit is granted through Advanced Placement (AP), Departmental Examination (DE), and the College Level Examination Program (CLEP). Most CLEP subject examinations are accepted. Credit is placed on the transcript after the student has completed one academic period.

Students may qualify for credit by examination as long as they have earned fewer than 90 semester hours and have not enrolled in a college course in the subject area in which the examination is given. Students who anticipate attempting to earn credit by examination should not enroll in that subject area before taking the examination. For registration procedures, contact Testing Services at 651-2836.

Advanced Placement (AP):
Credit for Advanced Placement Examinations will be granted for each examination that receives a score of 3 or above. AP courses and equivalent Southeast courses and credit are listed below:

<table>
<thead>
<tr>
<th>AP Course</th>
<th>Institutional Course Satisfied</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. Gov/Politics</td>
<td>PS 103 US Political Systems</td>
<td>3</td>
</tr>
<tr>
<td>Comparative Gov/Politics</td>
<td>PS 104 Comp Political Systems*</td>
<td>3</td>
</tr>
<tr>
<td>U.S. History</td>
<td>US 105, US 107 Am Hist I &amp; II</td>
<td>3-6</td>
</tr>
</tbody>
</table>
### Academic Policies

Southeast Missouri State University 2003-04

*PS 220 must also be taken to meet graduation requirements.*  
**Credit awarded based on score. Call Testing Services for criteria.**

#### CLEP Subject Examinations:
Each examination is a 90-minute objective test. Credit will be awarded for each examination that has a score of 50 or above. CLEP Subject Examination and equivalent Southeast courses and credit are listed below:

<table>
<thead>
<tr>
<th>AP Course</th>
<th>Institutional Course Satisfied</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>European History</td>
<td>WH 101, WH 103 History of Western Europe I &amp; II**</td>
<td>3-6</td>
</tr>
<tr>
<td>Macroeconomics</td>
<td>EC 225 Prin Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Microeconomics</td>
<td>EC 215 Prin Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>English Language &amp; Comp</td>
<td>EN 100 English Comp I</td>
<td>3</td>
</tr>
<tr>
<td>English Literature &amp; Comp</td>
<td>LI 256 Variety of Lit</td>
<td>3</td>
</tr>
<tr>
<td>Art History</td>
<td>AH 198 Art History Elective</td>
<td>3</td>
</tr>
<tr>
<td>Art - Drawing</td>
<td>AR 100 Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>Art - General</td>
<td>AR 198 Art Elective</td>
<td>3</td>
</tr>
<tr>
<td>Music Theory</td>
<td>MM 101 Theories-Music &amp; Cult</td>
<td>3</td>
</tr>
<tr>
<td>French Language</td>
<td>FR 100, FR 120 French Language &amp; Culture I &amp; II**</td>
<td>3-6</td>
</tr>
<tr>
<td>French Literature</td>
<td>FR 200 French Literature</td>
<td>3</td>
</tr>
<tr>
<td>German Language</td>
<td>GN 100, GN 120 German Lang &amp; Culture I &amp; II**</td>
<td>3-6</td>
</tr>
<tr>
<td>Latin</td>
<td>LT 198 Latin Elective</td>
<td>3</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>SN 100, SN 120 Spanish Lang &amp; Culture I &amp; II**</td>
<td>3-6</td>
</tr>
<tr>
<td>Spanish Literature</td>
<td>SN 220 Hispanic Literature</td>
<td>3</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>MA 140 Analytical Geom &amp; Calc I</td>
<td>5</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>MA 140, MA 145 Analytical Geom &amp; Calculus I &amp; II</td>
<td>9</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>CS 198 Comp Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science AB</td>
<td>CS 198 Comp Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>BS 108 Biology for Living or BI 190 Life Processes**</td>
<td>3-4</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CH 185 General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>Physics B</td>
<td>PH 120 Intro Physics I</td>
<td>5</td>
</tr>
<tr>
<td>Physics C</td>
<td>PH 198 Physics Elective</td>
<td>3</td>
</tr>
<tr>
<td>Psychology</td>
<td>PY 101 Psych Perspectives on Human Behavior</td>
<td>3</td>
</tr>
<tr>
<td>Statistics</td>
<td>MG 257 Business Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

*PS 220 must also be taken to meet graduation requirements.  
**Credit awarded based on score. Call Testing Services for criteria.

#### AP Course

<table>
<thead>
<tr>
<th>AP Course</th>
<th>Institutional Course Satisfied</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 221</td>
<td>Accounting, Principles of</td>
<td>3</td>
</tr>
<tr>
<td>BL 255</td>
<td>Business Law, Introduction to</td>
<td>3</td>
</tr>
<tr>
<td>BS108 or BI190</td>
<td>Biology, General</td>
<td>3-4*</td>
</tr>
<tr>
<td>CH 180</td>
<td>Chemistry, General</td>
<td>3</td>
</tr>
<tr>
<td>EC 215</td>
<td>Microeconomics, Principles of</td>
<td>3</td>
</tr>
</tbody>
</table>
Candidate score of 45-49 will receive credit for 3 hours. Candidate score of 50 or above will receive credit for 6 hours.

** A departmental exam, Missouri Government, is also required for credit.

**Certified Professional Secretary.** Credit for the courses listed below are granted upon successful completion of the CPS rating and 12 hours in residence:

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD 224</td>
<td>Transcription Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>AD 331</td>
<td>Word Processing Applications II</td>
<td>3</td>
</tr>
<tr>
<td>AD 337</td>
<td>Office Systems Mgt Internship</td>
<td>3</td>
</tr>
<tr>
<td>AD 341</td>
<td>Information Systems Procedures</td>
<td>3</td>
</tr>
<tr>
<td>EC 101</td>
<td>Economic Problems &amp; Policies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Local Credit By Departmental Examination (DE):**
Each test is roughly equivalent to 1 two-hour final examination administered in a regular academic class. Tests are available for the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 221</td>
<td>Prin of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>AD 101</td>
<td>Intro to Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>AR 112</td>
<td>Perspectives in Art</td>
<td>3</td>
</tr>
<tr>
<td>BS 113/BS 114</td>
<td>Anatomy/Physiology I &amp; II</td>
<td>0*</td>
</tr>
<tr>
<td>CH 180</td>
<td>Chemistry in Our World</td>
<td>3</td>
</tr>
<tr>
<td>CH 181</td>
<td>Basic Prin of Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CS 155</td>
<td>Computer Science***</td>
<td>5</td>
</tr>
<tr>
<td>ET 162</td>
<td>DC Principles &amp; Circuits **</td>
<td>3</td>
</tr>
</tbody>
</table>
**Academic Policies**

Southeast Missouri State University 2003-04

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**International Baccalaureate Organisations (IB):**

IB is international in scope with over 700 member schools currently in the program. Credit is awarded for scores of 4 or higher. For further information, contact Testing Services.

**High School Dual Credit.**

Southeast dual credit courses are offered in many area High Schools. Check with your high school counselor or the Extended Learning office at (573) 651-2189.

High school credits earned through the St. Louis University 1-8-1-8 program are accepted by Southeast. Students must request official transcripts and have them sent to the Southeast Missouri State University Admissions Office, MS 3550, Cape Girardeau, MO 63701-4799.

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**CREDIT HOUR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET 164</td>
<td>AC Principles &amp; Circuits **</td>
<td>3</td>
</tr>
<tr>
<td>FN 235</td>
<td>Nutrition &amp; Man-kind</td>
<td>3</td>
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<tr>
<td>GG 140</td>
<td>Physical Landscapes **</td>
<td>3</td>
</tr>
<tr>
<td>MK 301</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MU 182</td>
<td>Music: An Artistic Exp</td>
<td>3</td>
</tr>
<tr>
<td>PH 230</td>
<td>General Physics I</td>
<td>5</td>
</tr>
<tr>
<td>PS 220</td>
<td>Missouri Government</td>
<td>1</td>
</tr>
<tr>
<td>TG 120</td>
<td>Engineering Graphics **</td>
<td>3</td>
</tr>
<tr>
<td>TG 126</td>
<td>Computer Assisted Drafting **</td>
<td>3</td>
</tr>
<tr>
<td>TG 170</td>
<td>Graphic Arts **</td>
<td>3</td>
</tr>
<tr>
<td>TG 274</td>
<td>Photography Fundamentals **</td>
<td>3</td>
</tr>
</tbody>
</table>

* Requirement is waived but no credit is given.
** Departmental performance test is required.
*** Prerequisite: MA 134

The unit for counting credit is the semester hour. A minimum of 750 minutes of lecture or 1200 minutes of workshop or 1500 minutes of laboratory is required for each semester hour of credit.

**DEAN’S HONOR LIST**

(See Honors)

**DECLARATION OF MAJOR**

Students declare their majors by completing a Declaration of Major form in the appropriate college advising office or major department. Students may change their major in the same manner.

Harrison College of Business: Declaration of major is done in the College Advising Office.

College of Education: Declaration of major for Elementary, Early Childhood, and Exceptional Child is done in the College Advising Office. Declaration of major for Middle School is done in the Department of Middle and Secondary Education. Secondary education majors follow the procedures for the College in which their major is taught. All education majors should confer with the Coordinator of Advising for the College of Education prior to enrollment in Block II.

College of Health and Human Services: Declaration of major for Pre-Nursing is completed in the College Advising Office. All other majors in the college are declared in the major department.

College of Liberal Arts: Declaration of major is done in the major department.

College of Science and Mathematics: Declaration of major is done in the College Advising Office.

School of Polytechnic Studies: Declaration of major is done in School of Polytechnic Studies Advising Office.

Interdisciplinary majors are declared in the Office of the School of University Studies.

General Studies degrees are declared in the College of Liberal Arts Advising Office.

**DEGREE**

The bachelor’s degree is usually the first academic title of rank conferred on a student by the University for satisfactory completion of a prescribed four-year course of study and authenticated by a diploma signifying a measure of achievement. Its purpose is to enable a student to acquire a certain amount of liberal learning and to become proficient in a particular branch of learning. The primary sources of liberal learning in the curriculum of the bachelor’s degree are University Studies and electives. For most programs, those studies leading to proficiency in a branch of learning are a major supported or complemented by one or more of the following: a professional core, a cognate field, a minor.
The curricular structure of the bachelor’s degree at Southeast Missouri State University includes 48 credit hours of University Studies, a minimum of 12 credit hours of electives, and a maximum of 64 credit hours of the combination of major and its attendant studies for a minimum of 124 credit hours. The curricular structure allows for a certain amount of overlap between University Studies and other parts of a program; a maximum of 6 credit hours of University Studies courses at the 100-200 level may be taken in one department. Within the structure, the content of programs determines the type of bachelor’s degree. For example, bachelor of arts degree programs usually are aimed at liberal learning; they tend to teach qualitative methods of scholarship that focus on matters of priority and choice; and they ordinarily have a small major, which makes the degree flexible. Bachelor of science programs generally are oriented toward professional preparation; they tend to teach quantitative methods of scholarship for purposes of prediction; and they usually have a large major, which limits the flexibility of the degree. Like these traditional degrees, professional bachelor’s degrees reflect the content of their programs. The University offers several professional degrees: the bachelor of science in business administration, the bachelor of science in education, the bachelor of science in family and consumer sciences education, the bachelor of music education, the bachelor of music, and the bachelor of science in nursing. These programs usually require a core of professional studies that conforms to the standards of an accrediting agency or other professional body. The size of the professional core ordinarily restricts the number of hours that are required in its associated major.

The relationship among the parts of the bachelor’s degree engenders its coherence. University Studies and electives provide the intellectual milieu in which a particular branch of learning is applied. The development of proficiency in a branch of learning extends the student’s knowledge of one or more of the human perspectives first encountered in University Studies.

DEGREE AUDIT REPORT
The official evaluation of a student’s record stating the specific requirements for graduation is a degree audit report. Degree audit reports are run each semester for all enrolled students except graduating seniors. Students will receive a copy of their degree audit from their advisor.

DEPARTMENTAL DISTINCTION
(See Honors)

DEVELOPMENTAL COURSES
Southeast Missouri State University is committed to the academic success of its students. It promotes the accomplishment of this end, in part, by providing tutors, skill development laboratories, and developmental courses. While all of these elements are important, the developmental courses are specially designed to assist students who have demonstrated deficiencies in mathematics, reading, and writing. These courses are offered to assist students who might otherwise have difficulty in making the transition from high school to college. Also, similar developmental courses are offered to assist international students. In either case, the ultimate purpose is the same—namely, to enhance the probability that students will achieve academic success.

Developmental courses are extremely important in assisting students who have not demonstrated the skills necessary for academic success at the college level. While grades may not be reduced on the basis of attendance, experience indicates that success in these courses is greatly diminished by poor attendance. Attendance is essential if students are to receive the expected benefits of these courses. Therefore, attendance is required at all class meetings of developmental courses.

To ensure that these expectations are met, students and faculty assume extraordinary responsibilities. Students have a responsibility for properly notifying faculty members as to their reasons for not attending class. Upon the recommendation of the faculty member, a student with more than three inappropriate absences may be suspended from class by the college dean and have a grade of ‘F’ recorded. In a case where attendance is a continual problem, the Registrar may suspend and disqualify the student from further enrollment at the University.

EN 099 Writing Skills Workshop.
Beginning freshmen and transfer students who have not completed EN 100 English Composition I are required to take an English Writing Skills Placement Test. The results of this test are used to determine placement in the appropriate level of English, and the likelihood of successful completion of the test of writing competence that students must take after completing 75 hours.

MA 090 Developmental Algebra.
Any student with a Mathematics enhanced score of 17 or below on the ACT will be placed in MA 090 Developmental Algebra or MA 096 Developmental and Intermediate Algebra. Students may take an additional placement test during a First STEP orientation session. Students scoring 11 or above on the placement test may request that the MA 090 requirement be waived.

MA 095 Intermediate Algebra.
Any student with a Mathematics enhanced score of 18-20 on the ACT will be placed in MA 095 Intermediate Algebra. Students may request an additional placement test during summer orientation. Students who score at the requisite level on the placement test may request that the MA 095 requirement be waived.

MA 096 Developmental and Intermediate Algebra.

Any student with a Mathematics enhanced score of 17 or below on the ACT will have the option to take MA 096 Developmental and Intermediate Algebra instead of MA 090 and MA 095.

Graduation Requirements.

Developmental courses are prerequisites to regular university courses. Students must complete a minimum of 124 hours of regular courses in addition to any developmental courses they are required to take. Credit earned in developmental course does not count toward the minimum number of hours required on any degree offered by the University. However, credit in developmental courses is used in determining the classification of students, academic progress for financial aid, and athletic eligibility.

In order to receive a degree from Southeast, students must pass EN 099 Writing Skills Workshop or EN 110 Basic Composition for International Students, and MA 095 Intermediate Algebra or MA 096 Developmental and Intermediate Algebra or score at the appropriate levels on placement tests to have the courses waived.

Dually Enrolled Student

(See Classification of Students)

ENGLISH WRITING PLACEMENT ESSAY

All incoming students who have not successfully completed EN100 English Composition I will be placed in a first-semester writing course as follows:

- Students with an ACT English subscore of 26 or above will be automatically placed into EN100.
- All other students are required to take WP001, the English Composition Placement Examination, which is administered by Testing Services and scored by the English Department. Students are eligible to sit for only one administration of WP001.
- Students whose ACT English subscore is 27 or above and students who score at an appropriate level on WP001 are eligible to take the EN100 equivalence Test the semester they enter the University system. Students who achieve the required score on the Equivalency Test will be granted three hours of credit for EN100.

ENROLLMENT/WITHDRAWAL FROM THE UNIVERSITY

Enrollment

Students enrolled in 12 hours of credit per semester are designated as full-time students. Students enrolled in 11 hours or less per semester are designated as part-time students. Only officially enrolled students may attend classes. Specific instructions for enrollment are contained in the SCHEDULE OF CLASSES, which is published three times per year.

Maximum Enrollment.

Normally, the maximum number of hours that a student may schedule in the fall or spring semester is 18. However, students with at least a 3.0 GPA in the preceding semester, or at least a 3.0 cumulative GPA, may request permission from their advisor to carry a maximum of 21 hours. Such requests are considered on an individual basis. The maximum number of hours that a student may schedule during a summer session is determined by the length of the session. This information is contained in the SUMMER SCHEDULE OF CLASSES.

Registration/Enrollment.

All currently enrolled students register for classes using the web registration system located at http://www.semo.edu/mysoutheast. Students may register for classes using one of several computer terminals located on campus. Web registration instructions are listed in each SEMESTER SCHEDULE OF CLASSES.

Change of Schedule.

Students may add or drop classes until the deadlines listed on the Semester Calendar included in each SEMESTER SCHEDULE OF CLASSES.

Late Enrollment.

Students are expected to enroll prior to the start of classes. They may enroll during the first week of the fall or spring semester. Late enrollment dates for the summer session are listed in the SUMMER SCHEDULE OF CLASSES. A fee may be charged for late enrollment.

CANCELLATION/WITHDRAWAL FROM THE UNIVERSITY

Cancellation/Withdrawal from the University. Students can cancel their enrollment prior to the start of classes using the web registration system to drop all classes or by notifying the Office of the Registrar in writing. Such notification must be RECEIVED by the first day of the semester. Students can withdraw from the University until the “Last Day to Drop a Class” published in the SEMESTER SCHEDULE OF CLASSES using the web registration system or by notifying the Office of the Registrar in writing. After that date and until the official withdrawal date which is listed in the
SEMESTER SCHEDULE OF CLASSES, students must contact the Office of the Registrar to complete the withdrawal process. All financial obligations to the University must be fulfilled. Grades of 'F' are recorded for students who do not withdraw officially from the University.

**Deadline for Refund.**
Students who cancel enrollment before the semester begins are eligible for a refund of 100 percent of any incidental fees that they have paid. Students who withdraw from classes after the semester begins are eligible for a refund of incidental fees based on the sliding scale printed in the corresponding SEMESTER SCHEDULE OF CLASSES.

**Deadline for Withdrawing Without Penalty.**
Students may not withdraw during the three weeks preceding final examinations without the approval of the Registrar. The time period for withdrawing is reduced proportionately for terms of fewer than 15 weeks. Refer to the corresponding SCHEDULE OF CLASSES for the specific date.

**Probationary Students.**
Students who are on probation and withdraw remain subject to suspension. (See Academic Standing)

**FOREIGN LANGUAGE PLACEMENT AND RETROACTIVE CREDIT**
Students with prior experience in a foreign language may receive retroactive credit. Students who earn a grade of 'C' or better in a course beyond the first semester course can receive credit for a prerequisite course or courses up to a maximum of nine semester hours. Retroactive credit will receive a grade of 'CR', and may be counted toward the foreign language requirements on the bachelor of arts degree, and/or the requirements of a major or minor in a foreign language.

**GRADES**
Grades are assigned as follows:
- A = excellent; B = superior; C = average; D = inferior; F = failure; I = incomplete; X = failure due to non-attendance; P = pass; CR = credit; AU = audit.

**Calculating Grade Point Average.**
Grade points are calculated on the following basis: for each hour of A, 4 points; for each hour of B, 3 points; for each hour of C, 2 points; for each hour of D, 1 point; for each hour of F, 0 points. The grade point average (GPA) is computed by dividing the total grade points by the number of semester hours of academic work attempted. Grades assigned as CR, P, AU and grades received for non-degree credit courses are not computed in the grade point average.

**Required Grade Point Averages.**
- A cumulative GPA of 2.0 is required for graduation (except for the B.S. in Education, the B.S. in Family and Consumer Sciences Education, the Bachelor of Music Education, the major in Communication Disorders, and the Interdisciplinary Studies major which require 2.5 GPA for graduation, and the major in Social Work which requires a 2.25 GPA for graduation).
- A 2.0 GPA is required for all degree credit attempted at Southeast.
- A 2.0 GPA is required in the major (except for the Business Administration majors which require a 2.25 GPA, the majors on the Secondary Education degree and the Health Management major which require a 2.5 GPA, the Communication Disorders major which requires a 2.75 GPA, and the BFA 2-Dimensional, 3-Dimensional, and Graphic Design majors which require a 3.0 GPA).
- A 2.0 GPA is required in courses taken at Southeast that are counted on the major.

**Incomplete work.**
A grade of Incomplete ('I') may be given when a student is doing passing work, but is unable to complete all of the requirements because of unusual circumstances.
accept able to the instructor. In no case may an ‘I’ be
agreed to prior to the last day to “drop” the class. An ‘I’
may not be used to permit a student to repeat a course
or to improve a grade. Both the student and the instruc-
tor must complete the Application for Incomplete
Grade form and file it with the departmental office.
Normally, this is done prior to the submission of final
grades. Requirements for completing the course are
specified by the instructor on the application.
An Incomplete must be removed during the next
semester, exclusive of the summer session, or a grade of
‘F’ will be recorded. Students should not reenroll in
courses in which they have received an ‘I’ grade.

Pass/Fail Option.
This option may be chosen by students who meet
the following criteria: (1) 45 semester hours of credit
completed; (2) a cumulative grade point average of at
least 2.250; (3) all the prerequisites for the course com-
pleted. A course taken on the pass/fail option will be
counted only as a general elective. Courses needed to
fulfill University Studies, major, minor or other degree
requirements cannot be taken on a pass/fail basis.

The pass/fail grade refers only to the final grade
recorded on the student’s transcript. Performance is
evaluated on the same standard as if the student were
being graded on the A, B, C, D, F scale.
A grade of ‘P’ does not affect the grade point aver-
age. However, a grade of ‘F’ is computed into the grade
point average.
A course taken on the pass/fail option may be
repeated only on the pass/fail option, and only if it was
failed initially.
Students are limited to six hours of pass/fail credit
per academic period, and a total of 18 semester hours.

A request for pass/fail credit must be approved by
the student’s advisor and the Office of the Registrar prior to the
date stated in the SCHEDULE OF CLASSES.

Auditing a Class.
With the approval of the department chairperson, a
student may be permitted to audit a class. The chair-
person’s approval must be on file in the Office of the Regis-
trar prior to the date stated in the SCHEDULE OF
CLASSES.

Students who audit classes are not required to take
examinations or to do assignments required of regularly
enrolled students. They are expected to attend the class.
A student does not receive any credit for a course that
has been audited. Only students who are officially
enrolled in the University may audit classes. Fees are
assessed at the same rate as courses taken for credit.
A student may elect to take a course for credit which
has been audited previously or audit a course for which
credit has been received previously.

Grade Appeal Process.
Situations may arise in which a student believes that
a grade received in a particular course is incorrect. The
student should first approach the instructor of the
course in a timely manner in an attempt to resolve the
matter. If the matter is unresolved, the student should
consult with the chairperson of the department in which
the course is taught. If the matter remains unresolved,
the student should consult with the dean of the college
in which the course is taught. (See the policy on ac-
demic honesty for process in cases of alleged academic
misconduct.)

GRADUATION
Application.
Students should apply for graduation at the time
they enroll for their last semester. Students graduating
in the summer who wish to participate in the spring
commencement exercise should enroll on the first day of
priority summer enrollment and submit a graduation
application for the summer semester immediately.
Applications must be received in The Registrar’s Office
by the deadline listed in the SEMESTER SCHEDULE
OF CLASSES. Every effort will be made to notify stu-
dents of deficiencies they have in time for them to
close their enrollment; however, the final responsi-
bility for enrolling in courses which fulfill graduation
requirements remains with the student.

Commencement.
Attendance at commencement is highly encouraged.
Your attendance will help to make this important occa-
sion a memorable one. If you are unable to attend com-
 mencement, please notify the Office of the Registrar.
Undergraduate graduation exercises are held at the
conclusion of the Fall and Spring semesters. Students
who expect to complete degree requirements in the Fall
or Spring semester may participate only in the com-
 mencement exercise in the semester they expect to com-
 plete degree requirements. Students who expect to
complete degree requirements in the Summer semester
may participate in the Spring exercise provided they
have met the deadlines set forth by the Office of the
Registrar, or they may elect to participate in the Fall
exercise following their Summer graduation.

Fee.
A fee is charged to cover administrative costs associ-
ated with the awarding of your degree. This fee will be
charged to the student’s account.

Requirements.
Students are solely responsible for knowing and
meeting degree requirements. Any questions should be
directed to the Office of the Registrar.

HONORS
Dean’s Honor List.
Students who have completed at least 12 semester hours in one semester at Southeast Missouri State University with a grade point average of 3.5 or above and with no grade below a ‘C’ are placed on the Dean’s Honor List. Pass/fail courses, credit only courses, and developmental courses do not count toward the 12 hours needed. Only courses in which grade points are applied to the cumulative grade point average are used to determine eligibility. If students have declared a major, a certificate of recognition may be obtained from the dean of the college in which the major is located. If a student has not declared a major, the certificate may be obtained from the Dean of the School of University Studies.

Departmental Distinction.
To be eligible to apply for graduation with departmental distinction, students must have completed a minimum of 75 semester hours with at least a 3.25 overall cumulative grade point average, and must have at least a 3.25 cumulative grade point average in courses taken in the department of the major.

To be graduated with this distinction, students must initiate the study for distinction prior to the graduation semester and satisfy criteria, which are detailed in the FACULTY HANDBOOK. Approval for the distinction project should be reported to the Office of the Registrar at the time of enrollment for the graduation semester. Students interested in this program should ask the chairperson of their department for additional information.

Graduation with Honors.
Students with a cumulative grade point average of at least 3.5 may be graduated with honors. This honor is recorded on the student’s transcript. A special ceremony to recognize students graduating with honors is held prior to the graduation exercise. To be eligible to participate in this ceremony, a student must have earned a cumulative grade point average of at least 3.5 before the beginning of the term in which the student is to be graduated. Grades earned during the student’s final term will not be considered in determining eligibility for participation in the honors ceremony.

All grades earned, including the original grade in a course that has been repeated, are used to compute the cumulative grade point average for determining eligibility for graduation with honors. The cumulative grade point average for honors, then, may be different from the cumulative grade point average reported on the student’s transcript or grade report.

Cum laude.
Students whose cumulative grade point average is from 3.5-3.749 are graduated cum laude.

Magna cum laude.
Students whose cumulative grade point average is from 3.75-3.899 are graduated magna cum laude.

Summa cum laude.
Students whose cumulative grade point average is from 3.9-4.0 are graduated summa cum laude.

EXCEPTION: Students who have elected to utilize the "Academic Fresh Start Policy" for forgiveness of prior grade point average are eligible for graduation with honors based upon their new course work and grades.

HONORS PROGRAM
By offering educational opportunities tailored to the special needs, aspirations, and motivations of students whose intellectual and creative abilities are outstanding, the Honors Program underscores the University’s commitment to quality and excellence in matters of knowledge, creativity, and leadership. The goals of the Honors Program reflect this basic commitment. These goals are:

1. To encourage an intellectual orientation by providing a model of academic endeavor, which emphasizes analytical thought, insight into the methodologies of different disciplines, and cross-disciplinary synthesis.
2. To address the special needs of outstanding students by providing a center of identity for formulating personal goals, developing self-esteem, and increasing the desire for self-directed learning.
3. To contribute to the general advancement of learning by encouraging the active pursuit of academic goals, as exemplified by research, scholarly activity, and creative endeavor.

Honors credit may be earned by:
1. taking specially-designated Honors sections of courses in the University curriculum, or
2. contracting for Honors credit in non-honors sections taught by members of the Honors Faculty. Honors sections may be designated for any course in the University curriculum. Honors courses are designed and taught to contribute to the goals and objectives of the Honors Program. At the same time, Honors courses will meet the content requirements of their non-honors counterparts.

An Honors Student may contract with a member of the Honors Faculty for Honors credit in any course in the University curriculum. The honors contract ensures that the student undertakes independent work, which satisfies the goals and objectives of the Honors Program. At the same time, the contract ensures that the normal content requirements of the course are met.

While meeting the defined objectives of their non-honors counterparts, Honors courses emphasize creative and active learning, analysis and synthesis, and application of background knowledge. Particular attention is
paid to student initiative, methodological awareness, depth of investigation, and diversity of learning resources.

Student initiative is encouraged. There is less reliance upon drill, lecture, and textbook review, and greater reliance upon independent readings, class discussion, question-and-answer sessions, collective problem-solving, and student-conducted research.

Methodological awareness is indicated by an emphasis on methods of research and analysis, the process of discovery, the nature of professional activity in the discipline, historical development of the discipline, and current issues and problems.

Depth of investigation is found where material is covered in greater detail. Greater emphasis is placed on implications and underlying principles, and more intellectually demanding issues and problems are discussed.

Diversity of learning resources implies less reliance upon traditional textbook presentation of material, and greater reliance upon a variety of sources, including professional articles and books, books of current and historical interest, selected readings from periodicals, library resources, visiting faculty, and team teaching.

To be eligible for admission to the Honors Program, entering students must have a cumulative high school grade point average of at least 3.4 on a 4.0 scale (or its equivalent) and an ACT composite score of at least 25 (or its equivalent).

Students who do not meet the standards given above may be admitted to the program by petition if, at the end of at least 12 semester hours of college work, they have earned a cumulative grade point average of 3.25 or above.

In order to remain in the program, students must (1) maintain a minimum grade point average of 3.25 and (2) maintain active involvement in the program by enrolling in Honors sections or completing Honors contracts on a regular basis. (Details of these requirements are given in the program description available in the Honors office.)

To complete the Honors Program students must (1) maintain a cumulative grade point average of 3.25, (2) earn a minimum of 24 semester hours of Honors credit, with 6 of these hours at or above the 300 level, and (3) complete a senior honors project.

In addition to special academic opportunities, the Honors Program offers other activities through which superior students can develop leadership skills and participate in cocurricular and social activities with other Honors Students and Honors Faculty. Students are also given the opportunity to attend honors conferences and in other ways contribute to the intellectual climate of the University.

For additional information on the Honors Program, contact Dr. Larry Clark, Director of the Honors Program, 209 College Hill (2nd floor), (573) 651-2513.

IDENTIFICATION CARD

All enrolled students are expected to carry a University identification card. The card is required to obtain access to various University facilities, services and to gain admission to certain University programs and functions. It also has a vending stripe that can be used for campus copy machines, vending machines, and other purchases. Students are responsible for the accuracy of the information on the card.

The ID card is non-transferable and its misuse or falsification of information could result in disciplinary action. Students must present their identification card upon request to University officials acting in performance of their duties. There is no charge for the original ID or for a replacement if the card is bent, worn, or broken, however, you must return the damaged card at time of requesting a new card. A replacement fee of $15 will be charged to replace lost cards, or those that are required by a name or account number change. Cards are obtained in the Vending Services office, Dearmont Hall "C" Wing, office 10. Please see our website at http://www2.semo.edu/vending/ or call 986-6439 for further information.

INCOMPLETE GRADE
(See Grades)

INDEPENDENT STUDY

Students may enroll in a maximum of two independent study courses for a total of six semester hours credited toward the baccalaureate degree. They must have met the following prerequisites:

1. A minimum of 75 semester hours completed;
2. A minimum cumulative grade point average of 2.5 overall or 2.75 in the department in which the independent study is being done;
3. A minimum of 10 semester hours in the department completed;
4. Permission of the department chairperson.

INTERNERSHIP

An academic internship affords the student a unique opportunity to combine formal learning experiences with the professional work setting. Internships are planned experiences that are approved prior to enrollment for credit. Internship programs may be established for three to 15 semester hours of credit. As a guideline, it is expected that the student would be employed in a supervised learning experience for at least 120 hours.
spread over the academic session in order to receive three hours of credit. While the number of hours provides the basis for a set time frame, the emphasis throughout the internship is on the quality of the planned learning experiences. Departments should refer to the FACULTY HANDBOOK for guidelines for establishing internships.

LATE ENROLLMENT
(See Enrollment/Withdrawal)

MAJOR

An academic major is a curricular component that enables students to make an in-depth inquiry into a discipline or a professional field of study. It is organized around a specific set of goals and objectives that are accomplished through an ordered series of courses whose connections define an internal structure. It is intended to provide study in depth, which leads to knowledge and understanding in the discipline or field of study. A major that focuses on discipline draws its courses predominantly from one department. One that encompasses a professional field of study or is interdisciplinary usually obtains its courses from more than one department.

The number of credit hours in a major and its organizational structure will vary, depending on whether it aims at disciplinary or professional preparation. A disciplinary major consists of thirty to forty-two credit hours. Due to the demands of accrediting agencies, certification requirements, and professional competence, a professional major normally ranges from thirty to fifty-five credit hours. In both cases, a major includes a logically ordered core of required courses, which provides general direction for students’ study, and a series of electives, which gives a degree of flexibility to the program. At least sixty percent of the course work in a major is at the upper division level (300 or above).

Departments have the responsibility for administering all majors within their unit and for approving particular programs of study and appropriate course substitutions for students. Those departments involved with interdisciplinary majors perform the same functions as an individual department. Courses taken to fulfill other academic requirements, e.g., University Studies, minors and areas of specialization, may ordinarily also be used in the major without reducing the minimum number of hours required for a degree. However, no student may declare a major and a minor in the same discipline or field of study.

The most important feature of a major is study in depth. A major introduces students to a discipline or field of study through a foundation of theory and method, which serves as a basis for further study. It exposes them to the gamut of topics examined and the analytical devices used in the study of the subject. It contains a series of courses that presume advancing levels of knowledge and understanding. At its completion, it has a means of assessing students’ mastery of the subject such as, a project, an internship, a thesis, or a comprehensive examination. Study in depth provides students with an understanding of the fundamental problems and arguments of a discipline or field of study, as well as their limits. It affords them practice with the tools of the subject, introduces them to its historical and philosophical foundations, and gives them a clear sense of its boundaries and its effectiveness as a means for understanding or serving human society.

MAXIMUM COURSE CREDIT

Students may not take more than 55 hours in a department toward the 124 hours required for the baccalaureate degree except on the Bachelor of Music, Bachelor of Music Education, Bachelor of Science in Nursing, and the Bachelor of Science in Family and Consumer Sciences Education degrees; the physical education and industrial education majors on the Bachelor of Science in Education degree; the chemistry major and the industrial technology/production technology major on the Bachelor of Science degree.

MINOR

An academic minor is a curricular component, which enables a student to make an inquiry into a discipline or field of study, or to investigate a particular theme. It is organized around a specific set of objectives or questions. The objectives of a minor are achieved through an ordered series of courses, whose connections are defined to indicate an internal structure. Minors are intended to provide competency in the subject. Course offerings in a minor may be centered in a specific department or drawn from several departments as in the case of a topical or thematic focus.

A minor consists of fifteen to twenty-one credit hours, with at least six credit hours, preferably nine or more, at the upper level (300 or above). Nine to twelve credit hours are organized in a logical sequence of required credits. This core provides general direction for the student’s study, while maintaining a degree of flexibility. Flexibility is achieved by offering the student a choice from among a group of courses to complete the credits. Departments have the responsibility to administer all minors within their unit and to approve appropriate substitutions for students. Those units involved in interdepartmental minors perform the same function as departments. Courses taken in a minor may ordinarily
also be used to fulfill other academic requirements, i.e., majors, University Studies, without reducing the minimum number of hours required for a degree. However, no student may declare a major and a minor in the same discipline.

The integrity of a minor is measured by the degree to which the structure and content meet its objectives and, thereby, serve the student. It is also determined by its relationship to the curricular goals and objectives of the department. The regular evaluation of a minor to ensure its integrity and the practice of noting it on a student's transcript indicate its importance to the university curriculum. The true significance of a disciplinary minor is demonstrated by the extent to which it leads the student to some understanding of that discipline or field of study and to a certain degree of competence with its methods of inquiry. The quality of an interdisciplinary or thematic minor is determined by its ability to suggest answers to the questions upon which it is focused. In either case, a minor should provide basic insight into a subject that helps further the student's educational goals.

PROBATION
(See Academic Standing)

REPEATED COURSES
Students who have received a grade below an 'A' in a course may repeat the course, provided they have not completed a course for which the repeated course is a prerequisite. When a course is repeated, the first grade remains on the permanent record, but only the last grade is used in computing the grade point average. Students must have the permission of the Registrar to repeat a course.

RESIDENCE REQUIREMENTS
At least 30 semester hours of credit earned in residence are required for all undergraduate Baccalaureate degrees. At least 20 semester hours of credit earned in residence are required for all undergraduate Associate degrees. "In Residence" is defined as courses taken on a campus of Southeast Missouri State University or administered by Southeast Missouri State University.

The last term of work before receiving a degree must be done in residence; however, students who lack six semester hours or fewer to meet the graduation requirements may request permission of the Registrar to complete them at another accredited college or university, or by correspondence subject to the rules governing transfer of credit.

STUDENT OUTCOMES ASSESSMENT

Assessment of student skills and knowledge by various means external to regular classes is an important and necessary part of completing degrees at Southeast Missouri State University. Students are expected to complete any locally produced or nationally-normed assessment instruments (e.g., Major Field Achievement Tests, C-Base, Writing Assessment, and general education assessments) required by Southeast Missouri State University for measurement of students' skills and knowledge. Students are responsible for knowing the assessment requirements of the university and of their academic major departments. The University is responsible for informing students of these specific requirements in official documents. The University has the option to record the results of students' performance on official assessments in official students' records, including transcripts. The University reserves the right to withhold official records and access to enrollment of students who do not complete required assessments.

All students are required to fulfill the 75-Hour writing proficiency requirement except (a) those who are pursuing a second college degree at the bachelor's level or beyond, and (b) those who have completed 94 credit hours toward their degree upon enrolling at Southeast for the first time. Students who are required to fulfill this requirement must enroll in WP 003, the 75-Hour Writing Proficiency Test, after they have completed 75 semester hours of credit. In addition, students must complete the University Studies Written Expression course and WP 002 before taking WP 003. A passing score on WP 003 is a requirement for graduation on all baccalaureate degrees. The test is administered by Testing Services and scored by the Writing Outcomes Program faculty. Students must present two photo ID’s for admission to the testing site.

STUDENT RECORDS
The University maintains students' educational records in a manner consistent with the Family Educational Rights and Privacy Act of 1974 (Buckley Amendment), Missouri statutes R.S.MO. 610.021(6) and 610.010(4), and the implementation of these acts. These acts are designed to protect the privacy of students and parents regarding access to records and release of such records, and to provide opportunity for a hearing to challenge such records should they be inaccurate, misleading, or inappropriate.

Social Security numbers are used as Student Identification Numbers. Students who do not have a Social Security Number or do not wish to provide it will have an identification number assigned by the Office of Admissions.

Under the University’s Open Meetings and Open Records Policy, adopted by the Board of Regents Octo-
ber 30, 1987, public records are closed to public inspection and copying to the extent that they relate to scholastic probation, expulsion, or graduation of identifiable individuals and personally identifiable student records.

However, such records may be subject to public inspection and copying under the following conditions:

1. Personally identifiable student records shall be open for inspection by the student, or by the parent, guardian or other custodian of the student in the case of a student who is a dependent of the parent, guardian, or other custodian as defined by the Internal Revenue Code, Sec. 152. The burden of establishing dependency shall be upon the parent, guardian, or custodian requesting access to the record.

2. Any personally identifiable student records may be disclosed upon the request or with the consent of the student, in writing, dated, and specifying the records to be disclosed, the purpose of the disclosure, and the parties to whom disclosure may be made.

3. Personally identifiable student records which are required by state or federal law to be disclosed to federal or state agencies, or under court order, or in specific circumstances, may be disclosed at the request of such agency, or in response to court order, or upon showing of the specific circumstances requiring disclosure.

4. Directory information, including the following: Name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, full or part time enrollment status, degrees, awards received, and the most recent previous educational agency or institution attended by the student, may be disclosed without the consent of the student.

A student who objects to the disclosure of any of these specific categories of personally identifiable directory information has the right to refuse to permit the designation of such information as directory information with respect to that student. Such objection must be made in writing to the Registrar not later than 30 days after the start of the student’s first semester of enrollment at the University. The University will attempt to honor written objections not filed within 30 days after the start of the student’s first semester of enrollment, but in such instances will not be responsible for the inadvertent release of information designated by the University as directory information by an agent who is not aware of the student’s objection to that release.

SUSPENSION
(See Academic Standing)

UNIVERSITY STUDIES PROGRAM
All students who are candidates for baccalaureate degrees are required to complete the University Studies program. This program consists of 48 semester hours and includes the following components: (1) UI 100 First Year Seminar, required of all beginning students and transfer students with fewer than 24 degree credit hours; (2) core curriculum: one 3 hour course from each of four categories in three perspectives for a total of 36 core semester hours at the 100-200 level. No more than six of these 36 hours may be taken within any one department; (3) two 300 level interdisciplinary courses; and (4) one 400 level senior seminar. At the 300-400 level, no more than one course can be taken in the department(s) of the student’s major(s).

Students who begin their academic careers at institutions with whom the University has an articulation agreement and who subsequently transfer to Southeast with an appropriate Associate Degree or general education transfer block will be considered to have completed the lower division component of the University Studies program. They will be required to complete the two 300-level interdisciplinary courses and the 400-level senior seminar.

Students who begin their academic careers at Missouri institutions that are compliant with the Credit Transfer Policy of the State Coordinating Board for Higher Education and transfer to Southeast after having completed the sending institution’s 42-credit general education transfer block will be considered to have completed the lower division component of the University Studies program. Transfer students are required to complete the two 300-level interdisciplinary courses and the 400-level senior seminar.

VETERANS
Veterans are required to meet standards of federal laws regarding progress and attendance, under supervision of the Veterans Administration. Information regarding these regulations is available from the Office of the Registrar.

WEB REGISTRATION
(See Enrollment)

WITHDRAWAL FROM THE UNIVERSITY
(See Enrollment/Withdrawal)

WORKSHOPS
Workshop courses are generally designed to meet a specific current need by offering students intensive study of a single topic, problem or issue. Workshops numbered 800-833 are open to all undergraduate and graduate students and are awarded lower division credit; those numbered 834-866 are open to undergraduate students who have completed 45 semester hours, and to graduate students and are awarded upper level or graduate credit. Normally, workshops are graded ‘CR’ for credit only.

WRITING COMPETENCE
(See Student Outcomes Assessment)
General Information
General Information

ATHLETICS
Southeast Missouri State competes at the NCAA Division I level and is a member of the Ohio Valley Conference. Southeast has won a total of 27 OVC regular season championships and 12 OVC tournament championships during its first 11 years in the league. Southeast has won five of the last seven OVC Women’s All Sports trophies.

Southeast has seven sports for men and nine for women. The men compete in football, cross-country, basketball, golf and indoor and outdoor track. The women compete in volleyball, cross-country, basketball, gymnastics, softball, tennis, soccer and indoor and outdoor track.

DEAN OF STUDENTS
The Dean of Students serves as a student advocate within the University community and to the general public. The Statement of Student Rights and Code of Student Conduct is published and administered by the Office of the Dean of Students. The Dean of Students provides leadership for the following areas: Career Services; Center for Health and Counseling including Substance Abuse Prevention and Education (SAPE); Bootheel Partnership GEAR UP; Judicial Affairs; Learning Enrichment Center also serves as a liaison to the Campus Ministries.

Bootheel Partnership GEAR UP
Southeast Missouri State University, in cooperation with Caruthersville, Charleston, and North Pemiscot middle and high schools; the Susanna Wesley Family Learning Center; the Pemiscot County Initiative Network and Missouri Student Assistance Resource Services, has formed a partnership to help students in the southeast region of the state aspire to and prepare to pursue post-secondary education. The mission of the Bootheel Partnership GEAR UP is to accelerate the academic achievement of middle and secondary school students so that increasing numbers will graduate from high school, enroll in and succeed in college.

Career Services
The Career Services Office is located on the second floor of the University Center and can be reached by calling 651-CLUE. Career Services offers the following services to all students and alumni: computerized career exploration, career advising to assist with choosing a major or career field, resume/cover letter review, job search/interviewing assistance, videotaped practice interviews, career fairs, internship opportunities, on-campus interviews, and a career resources library. Freshmen and sophomores are encouraged to enroll in CP 231 Career/Life Planning, a one-credit course. Juniors and seniors will want to enroll in the one-credit CP 431 Job Search Techniques and Strategies. Students may register with Career Services online at www4.semo.edu/careerservices. Scheduling for career events; job postings for part-time, full-time, and internship positions; and access to FOCUS, a computerized career guidance system are also available online.

Center for Health and Counseling
The Center for Health and Counseling, located on the first floor of Crisp Hall, Room 101, provides quality health and counseling services. The adult ambulatory health care clinic is directed and staffed by registered nurses who hold certifications in college health nursing. RN services are free, but a fee is charged for lab tests, special supplies, and medications. A Family Nurse Practitioner, available by appointment, can provide assessment and treatment of acute and chronic health problems, as well as family planning. There is a fee to see the nurse practitioner. The counseling staff, licensed professionals, are experienced in responding to a variety of personal and social issues as well as crisis intervention. Counseling services are free to enrolled students. Currently enrolled students are eligible for all CHC services. Confidential referral services are available. Information on an optional medical insurance plan for students is also available at the Center. The office of Substance Abuse Prevention and Education (SAPE) offers programs, workshops, personal consultation, and outreach services. Any currently enrolled student is eligible for all services. Confidential referral services are available.

Judicial Affairs
The Office of Judicial Affairs is responsible for the rights and responsibilities of students. The Statement of Student Rights and Code of Student Conduct is published and administered by this office.

Learning Enrichment Center
The Learning Enrichment Center promotes student learning and success for all students through peer facilitated academic assistance, problem solving, and advocacy. Professional staff are available to discuss concerns, identify problems, and explore options with the general student population. The Learning Enrichment Center also assists students with learning and physical disabilities. The Learning Enrichment Center sponsors selected academic learning laboratories and coordinates the University Tutorial Services and Supplemental Instruction programs. These programs offer individual and/or small group assistance. The Learning Enrichment Center also serves as a liaison to the Campus Ministries.
Minority Student Programs
Minority Student Programs implements programs and services that support and encourage minority student learning and development, including the Minority Mentor Program, the Peer Mentor Program, and Student Diversity Leaders. Minority Student Programs is actively involved in the recruitment and retention of minority students. In addition, Minority Student Programs responds to the need to expose all students to, and involve them in, a wide range of multicultural activities.

Project Upward Bound
Project Upward Bound is a federally funded nationwide TRIO program that provides high school students with year-round academic and non-academic support needed to achieve their educational goals. The purpose of the program is to assist participating students in acquiring the skills and motivation necessary to complete a program of secondary education and to enter and succeed in college.

Student Life Studies
Student Life Studies serves as liaison to commuter students and adult learners. The Office of Student Life Studies strives to enhance student retention, learning, and satisfaction as well as reach new populations of adult learners throughout the region.

Student Support Services
Student Support Services, a federally funded program, helps low income and first generation college students succeed. Student Support Services provides study skills, tutorial, and personal management assistance. Career and financial aid advisement services are also available.

DEPARTMENT OF PUBLIC SAFETY
The University maintains a staff of professional police officers, separate from city and state police agencies. University police officers are commissioned by the Board of Regents under Missouri statutes and by the City of Cape Girardeau. The officers are charged with protecting the safety of people and property on the University campus and maintaining the security of University facilities. The officers are members of the University’s Department of Public Safety. Any crime, dangerous situation, hazard, or suspicious activity observed on University property should be reported promptly to an officer or the Department of Public Safety. The Department of Public Safety is located in D-Wing of Deartmont Hall, phone (573) 651-2215. Business hours are 8:00 a.m.-5:00 p.m., Monday-Friday; however, the office is open 24 hours a day, seven days a week.

Parking.
The University maintains various streets, parking lots, and sidewalks under its control and separate from public streets and thoroughfares in the City of Cape Girardeau. The use of motorized vehicles and bicycles by University students, faculty, and staff on these streets, parking lots, and sidewalks is governed by regulations approved by the Board of Regents and regularly reviewed by a University Committee. All vehicles of students and employees operated and parked on University property must be registered with the Department of Public Safety and display the appropriate permit. Residents of the University’s residence halls may park their vehicles in the vicinity of the campus only on University-owned parking lots and streets. Premium parking is available in preferred parking lots; however, parking is available at a reduced cost in perimeter lots. Application for parking may be made by mail in July preceding the academic year or anytime during the current semester. Additional information on these services can be obtained by contacting the Department of Public Safety. Copies of parking and traffic regulations are available in the Department of Public Safety Office.

Shuttle.
The Southeast Missouri State University Shuttle Service operates four 14-passenger busses to provide transportation from perimeter parking lots to the interior of campus. All busses are heated and air conditioned and are accessible to passengers with disabilities. Passengers may wait for busses in lighted shelters, equipped with a direct ring telephone line to the police communications unit at the Department of Public Safety. Route departure times are posted at each shuttle stop.

FINANCIAL AID
Student Financial Services offers a comprehensive program of financial assistance for students needing supplemental financial support for their educational expenses. To apply for financial assistance, a student must complete a Free Application for Federal Student Aid (FAFSA). THE FAFSA is available through local high schools or Student Financial Services. In order to be considered for priority packaging, the FAFSA should be received by the processor by March 1.

Scholarships.
The University offers an extensive scholarship program. Scholarships are awarded on the basis of financial need, academic achievement, artistic ability, athletic ability, college major, military commitment, community activities, or special interests. Applications and informa-
tion are available from the Office of Admissions or Student Financial Services. Information and applications are also available on-line at [http://www.semo.edu/financing/scholarships.htm](http://www.semo.edu/financing/scholarships.htm). The State of Missouri provides need based and merit scholarships primarily through the Missouri College Guarantee and Bright Flight programs.

**Grants.**

The University administers the Federal Pell Grant, Federal Supplemental Education Opportunity Grant, and the Charles Gallagher State Grant.

**Loans.**

Loan programs administered by the University are the Federal Perkins Loan, the Federal Stafford Loan (subsidized and unsubsidized), the Federal Parent Loan for Undergraduate Students (PLUS), and the Advantage. To apply for a loan, additional forms and/or applications will be required.

**Student Employment.**

All on-campus employment is administered through Student Financial Services. The Student Employment Program gives students an opportunity to earn financial assistance while simultaneously gaining valuable work experience. Students may work up to 20 hours a week. The amount a student is able to earn through the Federal Work Study Program may be affected by demonstrated financial need, availability of funding, and other financial aid received by the student. Off-campus employment listings are also available through our campus office of Job Service. Students may register with the service and be referred to jobs that are compatible with their class schedules and prior work experience.

For further information on Student Financial Services, call (573)651-2253, e-mail sfs@semo.edu, or log on-line at [http://www.semo.edu/financing/index.htm](http://www.semo.edu/financing/index.htm)

**GRADUATE STUDIES**

The primary purposes of graduate study are to provide opportunities for advanced study of an academic discipline and study for a profession. Students are introduced to research and scholarship in their field of study and prepared for increasing competence in their profession.

Admission to the School of Graduate Studies is based on satisfactory academic performance on the undergraduate level as measured by the cumulative GPA, specific courses in the appropriate major, and academic scores on such tests as the Graduate Record Exam. (See the Graduate Bulletin at [http://www.semo.edu/gradschool](http://www.semo.edu/gradschool) for details.)

**Degrees and majors available on the graduate level are:**

**Master of Arts:**

Communication Disorders, Community Counseling, Elementary Education, Elementary Administration, English, Exceptional Child Education, School Counseling, Higher Education Administration, History, Human Environmental Studies, Secondary Education, Secondary Administration, TESOL.

**Master of Business Administration.**

**Master of Music Education.**

**Master of Natural Science:**

Biology, Chemistry, Geosciences, Mathematics, Science Education.

**Master of Science in Administration:**

Options in Athletic Administration, Health Fitness Administration, Public Administration.

**Master of Science:**


**Master of Science in Nursing.**

**Specialist in Education:**

Counseling Education; Educational Administration.

All requests for information or admission materials should be directed to the Dean of the School of Graduate Studies and Research, Southeast Missouri State University, Cape Girardeau, MO 63701.

**KENT LIBRARY**

Kent Library acquires and organizes materials to support the educational and cultural objectives of the University. Librarians assist persons in locating materials and in using available resources. Instruction in the use of library resources is provided.

Since the library collection primarily supports University educational and research activities, the subject emphases tend to reflect University curricula. Approximately 400,000 volumes form the major part of the collection, and are easily accessible on open shelving. Special materials from unique sources or in special formats further strengthen the collection. The periodicals collection, with its 2,200 subscriptions, contains journals in all of the curricular disciplines, as well as general interest magazines. Newspapers provide sources for research and reading. The microform collection of approximately 800,000 items provides, in compact form, a variety of materials from books to newspapers. Electronic databases supporting the curriculum are also available, including a growing number that provide full-text and full image options.

The Library has been a selective depository for United States government publications since 1916, and in 1977 was designated a depository for Missouri State documents. The documents collection numbers about
300,000 items, and includes materials from various governmental agencies. The Rare Book Room houses the Charles L. Harrison Collection and additional vintage items that require special care for their preservation. The Harrison Collection contains over 800 rare books and manuscripts. The Rare Book Room also houses the Louis Daniel Brodsky Collection, an internationally acclaimed collection of works by and about William Faulkner. Access to the Brodsky Collection is by special arrangement with the library director.

The instructional Materials Center offers access to a wide range of audiovisual materials, a K-12 textbook and curriculum materials collection, and a selective collection of children's and young adult literature.

The Center for Scholarship in Teaching and Learning, the Writing Center, and an open access computer laboratory are also housed in Kent Library. Various types of study facilities are provided for reading and individual study sessions. The building is enhanced by the Jake K. Wells mural, which depicts the history and development of Southeast Missouri; the Faulkner Mural, which illuminates themes from the life and works of William Faulkner; and the Printers' Marks, stained glass panels reflecting the art and history of printing.

OFFICE OF ADMISSIONS
The Office of Admissions is the main starting point for all undergraduate students interested in attending Southeast. The office distributes University information and applications, provides college preparation outreach and new student recruitment services, and evaluates the applications and transcripts from new students. Southeast’s campus tour and visitor center is also housed in the office. The Office of Admissions is located in Academic Hall, Room 259.

OFFICE OF THE REGISTRAR
The Registrar is responsible for the maintenance of all academic records, grades, degree audits, transcripts, commencement, enrollment, and the coordination of academic advising. The office coordinates veterans’ programs, the Job Training Partnership (JTPA) outreach services, and the Trade Readjustment Act (TRA). The Office of the Registrar is located in Academic Hall, Room 129.

PROGRAM CENTERS
The CENTER FOR CHILD STUDIES is a unit of the Department of Human Environmental Studies. Established in 1967, it serves as a model-learning environment for children from six weeks to six years of age. Programs are designed to meet the developmental levels of each child. Growth is facilitated in four basic areas: social, emotional, cognitive, and physical. Learning is promoted through a process of active exploration, stimulation and discovery. The Center facilitates parent involvement and education through a variety of activities including daily interaction, conferences, and newsletters. It also functions as an instructional laboratory where University students observe and work with children. In addition, the Center is utilized for research in the field of child development and other human development programs on campus. The Center is licensed by the Division of Family Services and is nationally accredited by the National Academy of Early Childhood Programs.

The CENTER FOR ECONOMIC AND BUSINESS RESEARCH is designed to maintain accurate and current data, information and analyses summarizing and interpreting business and economic conditions.

The CENTER FOR ENTREPRENEURIAL STUDIES AND SMALL BUSINESS MANAGEMENT provides business education, research, information services, and outreach initiatives focused on entrepreneurship and small business management.

The CENTER FOR REGIONAL HISTORY AND CULTURAL HERITAGE serves the University and the region through its work in documenting, preserving, and presenting various aspects of local and regional history, architectural trends, archaeology, ethnic and folk traditions. Members of the Center staff provide assistance to museums, historical societies, schools, and a number of city, county, state and national agencies. The Center offers a wide variety of consultative services, including museum registration and cataloging, cultural resource management, historic architectural surveys, as well as program planning in regional and local history. The Center is also involved in public outreach activities which serve to promote the value of historic preservation and regional cultural expression. The Center is administered within the College of Liberal Arts and serves as a support unit for student and faculty work in history, historic preservation, anthropology, archaeology, and folklore, as well as other fields.

The INSTITUTE OF GERONTOLOGY, established in 1990, was designed to encourage and coordinate the interdisciplinary teaching, scholarship, and service of interested faculty members. Currently, 23 faculty members, representing several major academic units, are listed as associates of the Institute. To facilitate students’ understanding of aging, the University offers a 21-hour interdisciplinary minor in Gerontology with courses offered in the Departments of Biology; Com-
communication Disorders; Health, Human Performance & Physical Education; Human Environmental Studies; Psychology; and Sociology.

The LINDA M. GODWIN CENTER FOR SCIENCE AND MATHEMATICS EDUCATION was established for the purpose of improving mathematics, science, and technology education through the cooperation of University science, mathematics, technology, and education faculty with K-12 educators and educational organizations. Its functions include the development of curricula and teaching materials at the elementary, middle, and secondary levels; maintenance of a network of communications among Southeast Missouri educators concerning science and mathematics enhancement efforts; acquisition and distribution of relevant educational materials and information; stimulation and support of research on the educational process; administration of the NASA Educator Resource Center; administration of graduate studies in science education; and continuing curricular, instructional and educational program improvement at the University.

The SMALL BUSINESS DEVELOPMENT CENTER provides confidential business consulting, business assessments and action plans to improve processes and financial performances, procurement assistance, technology assessments, and training.

TECHNOLOGY RESOURCE CENTER.

As part of the School of Polytechnic Studies, this center introduces students, faculty, and industries to the latest technologies to improve productivity.

SCHOOL OF UNIVERSITY STUDIES

Center for Scholarship in Teaching and Learning

The Center for Scholarship in Teaching and Learning, established in 1985, serves as a campus resource for faculty, graduate students, researchers, and others interested in the teaching/learning process. Located in Kent Library, the Center assists faculty in designing instruction, provides workshops on the enhancement of teaching, and sponsors and conducts scholarship focusing on college teaching and student learning. The Center’s Office of Instructional Technology assists faculty with integrating technology with teaching and learning. The Center offers Technology Serving Learning workshops for faculty, hosts most of the instructional and course web pages on campus, and houses Southeast On-line which delivers Southeast’s web-based courses.

First Year Experience Program

The First Year Experience Program is responsible for academic and orientation programs that serve new students. These responsibilities include administration of UI 100 First Year Seminar and the Office of New Student Programs, and support of faculty teaching UI 100. The First Year Experience Program collaborates with Admissions and Student Development to provide students with the support that is needed to make their first year at Southeast a successful experience.

The Office of New Student Programs is a component of the First Year Experience program in the School of University Studies. New Student Programs helps students make a smooth transition to the University through orientation programs including First STEP (Southeast’s Testing and Enrollment Program), Opening Week Orientation, and CP 111 (an extended orientation course). In addition to these activities, New Student Programs works with the Director of the First Year Experience to obtain information regarding assessment and retention of new students.

Writing Center

The Writing Center provides individualized tutorials for all Southeast students. In addition to reviewing the basics of spelling, punctuation, and grammar, tutors will help students approach writing with confidence, generate and organize ideas, and revise more effectively. The Center is not an editing service. Its goal is to help students become better editors of their own writing. Assistance is given to ”walk-ins” as well as by appointment. Students may also submit drafts and questions for response by Center staff on-line (via the Writing Center Home Page, http://ustudies.semo.edu/writing/). The Writing Center is located on the fourth level of Kent Library, Room 412.

STUDENT AUXILIARY SERVICES

Recreational Sports/Student Recreation Center (SRC)

The Student Recreation Center is a 90,000 square foot state of the art facility consisting of a large weight room, cardiovascular equipment area, six racquetball courts, five basketball or seven volleyball courts, aerobic studio, multipurpose rooms and climbing wall. The Student Recreation Center is located on the north side of campus. All students enrolled in at least one credit hour are eligible to use the facility. Each student is assessed a general fee by the university which supports the facilities and programs offered by Recreational Sports. Students must present a valid University ID card to enter the SRC. Faculty, staff, alumni and community members may purchase a membership. Contact the Recreational Sports office for information about intramural and club sports, camping equipment, wellness programs, fitness assessments and personal training.
as well as to reserve the University’s athletic and recreational facilities.

Residence Life
Residence Life offers a wide variety of living options to encourage participation in the rich tradition of living on campus. Residential communities encourage students to broaden their academic pursuits, experience personal growth, develop leadership skills, and make new friends along the way! Residential options include community and suite-style living arrangements, specialty floors such as Honors, Healthy Lifestyles, 12-month housing, Quiet Hours, and Transfer Student. Apartments are also available for students with families and non-traditional students.

Southeast Missouri State University requires all students to live on campus for two years unless they are living with lineal relatives or legal guardians in the Cape Girardeau area, over 21, married or have dependent children, have 57 degree credit hours, or a veteran.

Information on residential options and release from the Residency Requirement may be obtained from the Office of Residence Life, located in Dearmont Hall, or by calling (573) 651-2274.

University Center
The University Center (UC) is the family room of the campus. As a “Hub” of campus activity, the UC offers services, programs, and facilities which meet the various needs of students, faculty, staff, alumni, and friends. Services include Southeast Bookstore, advising to over 120 student organizations including fraternities and sororities, leadership development programs, the Information Desk, lounge, and study areas, Commerce Bank, and administrative offices. The Cafe Court dining area offers hot and cold entrees, soup and salad bar, grill items, and your favorite brands--"Noble Romans Pizza," "Casa Ortega," "Chick-Fil-A," and more. A variety of student-initiated activities are planned every year by the Student Activities Council. For more information contact the University Center at (573) 651-2280.

University Dining Services
University Dining Services provides quality food through the Towers residence hall dining center, retail operations including the Skylight Terrace and Cafe Court in the University Center (featuring Noble Romans Pizza, Chick-Fil-A, Casa Ortega and Columbo Frozen Yogurt), Geronimos in the Towers Complex, Scully building (featuring Blimpies Subs) and a full-service catering operation. Dining Services is available for faculty, staff, students, student groups and the Cape Girardeau community.

STUDY ABROAD PROGRAMS
Semester and yearlong study abroad programs and short-term opportunities are available through the Harrison College of Business, the Colleges of Education and Liberal Arts, and the Office of International Programs. The majority of these opportunities are offered during the junior year; however, there are opportunities for students in their sophomore year as well as for all students during winter, spring, and summer breaks. In addition, the University maintains membership in CCIS, an organization that sponsors study abroad experiences, Australearn, and Maastricht Consortium of Transatlantic Studies. Through the options available, a student has a choice of many fields and countries in which to study. Financial aid, which a student receives for study at Southeast, applies to overseas study experiences, also. Scholarships are available in some departments through endowments and various organizations. Since each program has its own requirements regarding GPA and academic background, students interested in pursuing study abroad or exchange programs are encouraged to contact the Office of International Programs for program descriptions and for assistance.

UNIVERSITY OUTREACH OFFICE - ST. LOUIS
The Outreach Office was created to improve the University’s visibility in and relationship with the St. Louis Metropolitan community. The Outreach Office develops and implements programs that assist the University’s efforts in recruiting, development and alumni affairs. The Outreach office also serves as a resource for families seeking information on a variety of college-related subjects.

VISITORS SERVICES AND CAMPUS INFORMATION
Visitors to the campus may contact the Information Desk in the University Center, (573) 339-INFO (4636), for campus maps and audio tours, general campus and local information, and the location of specific services, programs, and offices on campus. The Information Desk hours are Monday-Friday, 8:00 am - 7:00 pm. Students interested in attending Southeast should contact the Office of Admissions, Academic Hall, Room 256, (573) 651-2590.
College Information
College Information

DONALD L. HARRISON COLLEGE OF BUSINESS

Gerald S. McDougall, Dean
Bert J. Kellerman, Associate Dean

Department of Accounting and Management
Information Systems
Department of Economics and Finance
Department of Management and Marketing
Office of International Studies in Business
The Center for Business and Economic Research
The Center for Entrepreneurial Studies and Small Business Management
The Small Business Development Center

Because of the quality of its programs in business, Southeast Missouri State University will become the campus of choice among students wishing to pursue undergraduate business studies at a State University with a primary focus on high quality instruction. Through the accomplishments of its students and faculty, and with a commitment to continuous improvement and excellence, the Donald L. Harrison College of Business will be a college that sets expectations rather than simply meets expectations. As a result of its academic growth and development, a stronger college identity will emerge and this identity will be enhanced by local, regional, national and international linkages which benefit students, faculty, and the University’s larger community. The Harrison College of Business is committed to providing business studies today for tomorrow’s business successes - experience Southeast, experience success.

The Donald L. Harrison College of Business at Southeast Missouri State University provides contemporary undergraduate and graduate business studies in accounting, administrative systems management, economics, entrepreneurship, finance, international business, management, management information systems, marketing, and organizational administration designed to meet the educational and professional needs in Southeast Missouri, while attracting students nationally and internationally. Students are provided an unusually strong liberal arts foundation by completing the nationally recognized University Studies program. A Master’s In Business Administration (MBA) program is available for advanced studies in business.

A minor in business administration is offered for any non-business major. This minor is designed to provide non-business students with a foundation in business concepts that many employers find attractive. The business administration minor also provides a bridge to the MBA program. Upon completion of the undergraduate degree with a minor in business administration, students may apply directly to the MBA program. Once admitted, students can achieve the MBA degree by completing 33 credit hours of graduate business work.

Excellence in teaching, intellectual contributions, and service consistent with the teacher-scholar model are faculty priorities. Greatest attention is given to high quality teaching, emphasizing conceptual reasoning, problem-solving, critical thinking, and preparation for life-long learning that recognizes an ever-changing global business environment. The active learning environment fosters integration of knowledge, an international perspective, and ethical valuing. To insure continuous improvement and relevance, curricula and other elements of the teaching process are reviewed and revised regularly.

Scholarly work, effective teaching, and student learning are intertwined. As such, following the teacher-scholar model, the Harrison College of Business encourages and supports all forms of scholarship, with an emphasis on applied research and instructional development. Faculty are expected to be active in scholarly and professional organizations, and to develop and enhance relevant linkages with the business community, area schools, other colleges and universities, governments at all levels, and organizations and agencies in other countries.

The Harrison College of Business promotes regional economic growth and small business development through its academic programs and activities of the Center for Economic and Business Research, the Center for Entrepreneurial Studies and Small Business Management, and the Small Business Development Center. Faculty expertise and student enthusiasm support a wide range of outreach efforts designed to assist regional businesses to be as successful as possible.

The Harrison College of Business aspires to attract, retain, and develop students who have the intellectual capacity and personal skills to succeed in their academic, personal, and professional endeavors. Paramount in this is the promotion of diversity and cultural sensitivity. The faculty is committed to supporting student success through excellence in instruction, advising, career counseling, internships and practica, co-curricular activities, and student placement. Student progress is monitored through the College Advising Center and by program evaluation, student outcomes assessment, and the maintenance of AACSB-International business accreditation.

College resources are acquired and managed in a manner consistent with a commitment to excellence and
improvement. Faculty recruitment, retention, development and incentives are based on enhancing and recognizing teaching effectiveness, intellectual contributions, and service. Faculty professional development activities are supported through university, college, and departmental programs. Investments in facilities and equipment are guided by academic priorities focused on insuring student success and relevance. This is reflected in state-of-the-art technology that supports alternative delivery systems, develops skills valued by the business community and promotes student learning of business concepts.

The objectives of the undergraduate business program and college are:

- To prepare students to begin successful careers in business and related professions, or to pursue advanced studies in business or related fields.
- To develop an understanding of the linkage between the theory and practice of business.
- To insurce students are conversant in the contemporary issues confronting the business practitioner.
- To develop communication skills, critical thinking skills, problem solving skills, leadership and teamwork skills, and fundamental research skills.
- To develop a foundation for lifelong learning necessary for continued success and personal growth.
- To provide an environment that supports professional growth and advancement among faculty and staff.

The Donald L. Harrison College of Business is fully accredited by the Association to Advance Collegiate Schools of Business-International (AACSB - International). AACSB-International is the premier accrediting body for undergraduate and graduate programs in business worldwide.

ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS

Chairperson: Carolyn Rainey
Faculty: Deborah Beard, Frank Chong, Sean Eom, Eleanor Henry, Lavone Huter, Gary Johnson, Demetrios Karathanos, Michael McDonald, Mary Virginia Moore, Diane Pettypool, Keith Russell, Dana Schwieger, Regina Smart, Chellappa Somarajan, Anthony Varnon

The Department of Accounting and Management Information Systems meets the need for a quality undergraduate accounting and management information systems education through a dedicated faculty and curriculum that reflect the increasing importance of information to sound business decision making, a changing global environment, enhanced ethical awareness, and the increasing expectations of a professional career in accounting or information systems. Those completing the major in accounting have the foundation to pursue professional certification and a career in public accounting. Students completing the MIS major or the Office Administration Management major possess a foundation in business principles and computing technologies that enable graduates to pursue both technical and managerial careers. Students develop hands-on skills and experience by creating effective business applications of information technology to support business organizations. The department also serves students pursuing the MBA degree. Department faculty members regularly engage in professional development and scholarly activity. Faculty are also expected to engage in College and University service activities and provide service to the professional community at the local, regional and national levels through involvement in professional organizations and consulting activities.

MAJORS:
- Accounting (B.S.B.A.)
- Administrative Systems Management (B.S.B.A.)
- Management Information Systems (B.S.B.A.)
- Business Education (B.S. and M.S.)

MINORS:
- Accounting
- Administrative Systems Management

CERTIFICATE:
- Two-year Administrative Assistant

ECONOMICS AND FINANCE

Chairperson: Rebecca Summary
Faculty: Michael Devaney, Bruce Domazlicky, Peter Kerr, David Kunz, Steve Nenninger, Cara Oosterbaan, Kang Hoon Park, Diane Primont, Willie Redmond, Terry Sutton, Ben Uzoaru, William Weber

The department offers majors in economics and finance. The study of economics acquaints students with past and present national and world economic problems and with the tools of analysis economists use to understand these problems. The study of finance develops an understanding of financial institutions, capital markets and the financial structure of business. By offering majors on the B.S. and B.S.B.A. degrees, the department encourages students to tailor their plan of study to their future goals. The B.S. degree in Economics prepares students for graduate work in economics, or for the study of law. The B.S.B.A. in Economics or
Finance is geared toward students with an interest in employment in the business world.

In order to provide quality instruction, faculty participate in instructional workshops, engage in research designed to improve teaching skills and knowledge of subject matter, and participate in the development and teaching of interdisciplinary courses.

Consulting and sponsorship of Omicron Delta Epsilon, the honorary economics organization, are examples of service activities that enhance the teaching process, provide scholarly opportunities for students and increase contact between the faculty and the business community.

**MAJORS:**
- Economics (B.S., B.S.B.A.)

**MINORS:**
- Economics
- Finance

**INTERNATIONAL STUDIES IN BUSINESS**

**Director: Peter Gordon**

The Office of International Studies in Business is responsible for the international exchange agreements involving the Harrison College of Business including membership in the Magellan Network; a consortium of business programs at American and European universities. The office manages various international programs available to business students and faculty exchange programs. The director of the office of International Studies in Business administers the major in international business. The Harrison College of Business supports a wide variety of international experiences open to all majors and minors. There are short-term international business programs scheduled between the fall and spring semesters, over spring break, and during the summer. Semester study abroad opportunities are available each semester and summer with a number of institutions in Europe and other locations. Knowledge of a foreign language is not required to participate. The college also hosts business students from other countries under special programs and exchange agreements.

**MAJOR:**
- International Business (B.S.B.A.)

**MANAGEMENT AND MARKETING**

**Chairperson: Jack L. Sterrett**

**Faculty:** Steven Byrd, John Cherry, Darlene Dunning, Roy Farris, Peter Gordon, Kenneth Heischmidt, Patricia Karathanos, Bert Kellerman, Patricia Pence, James Ricks, David K. Smith, Jr., Stanley Stough, Scott Thorne, Judy Wiles

Company success depends on effective management and leadership, and getting the right product to market and making it attractive to consumers through the four P's - Product, Price, Place, and Promotion. The aim of management is to insure the organization of business is responsive to internal and external stakeholders. The aim of marketing is to know, understand and communicate with the market and the customer so well that the product or service fits him or her and sells itself. The department offers majors in management and marketing, with various options. Students choosing to major in Management concentrate in one of the following three options: Organizational Leadership, Human Resource Management, or Operations Management. A major in Marketing prepares students for entry-level management positions in both profit and not-for-profit organizations. Students choosing to major in marketing concentrate in either Marketing Management or Integrated Marketing Communication. A major in Marketing prepares students for sales, public relations, advertising, distribution and market research positions.

The Department of Management and Marketing provides programs and quality instruction which enhance the understanding of communication, management, leadership and marketing among all undergraduate business students, and prepares majors for a variety of management and marketing careers in both business and not-for-profit organizations.

The department faculty is engaged in a variety of research endeavors that lead to publication in books, journals, and conference proceedings. Faculty service to the campus, region and profession is outstanding as exemplified by their numerous involvements and activities.

The Department of Management and Marketing takes a very active role in supporting the activities of the students through sponsorship of the Management Club, the Marketing Club/Delta Epsilon Chi, and Students in Free Enterprise.

**MAJOR:**
- Management (B.S.B.A.)
- Options: Organizational Leadership, Human Resource Management, Operations Management

**Marketing (B.S.B.A.)**
- Options: Marketing, Management
Integrated Marketing Communications

MINORS:
Management
Logistics Management
Marketing: Integrated Marketing Communications
Marketing: Logistics Management
Marketing: Marketing Management
Marketing: Retail Management
Marketing: Sales Management

COLLEGE OF EDUCATION

Shirley Stennis-Williams, Dean
Department of Educational Administration and Counseling
Department of Elementary, Early, and Special Education
Department of Middle & Secondary Education

The College of Education offers instruction in programs that prepare teachers, school administrators, and counselors as "competent professional educators." Bachelor's degree programs in Teacher Education provide for direct entry into careers and the base for advanced education. These programs include a strong University Studies component; skill in the art of teaching; sequenced, integrated field-based experiences; and knowledge in a specialty area with a commitment to the professional development school concept and birth-grade 12 collaboration. Master's degree programs in teacher education, educational administration, and counseling provide opportunities for advanced education. The Specialist's degree in Educational Administration is also the responsibility of this college. The cooperative doctoral program in Educational Administration is provided through shared coursework, instruction and research oversight with the University of Missouri.

The College of Education's undergraduate and graduate programs are accredited by the National Council for Accreditation of Teacher Education (NCATE). The college also holds accreditation from the Council for the Accreditation of Counseling and Related Educational Programs (CACREP). In addition, all teacher preparatory programs are approved by the Missouri Department of Elementary and Secondary Education (DESE).

The college faculty enjoys national visibility for many of its programs, faculty research and programmatic activities. It received the 1994 Best Practice Award in Global and International Education from the American Association of Colleges for Teacher Education (AACTE) and has twice received the Christa McAuliffe Award from the American Association of State Colleges and Universities (AASCU). The college is an invited member of the Renaissance Group and is a member of the Teacher Education Council of State Colleges and Universities (TECSCU). The college has an active program of extra mural grants and ranks second in the university in external funding. Students in the college of education hold the highest grade point average and a large percentage enter the college's graduate programs.

The college is on the cutting edge in its use of technology in all of its programs, and participates with four other universities in the federally funded In-Time Grant program to foster the use of technology in kindergarten through twelfth grade schools. The college is a recognized leader in the National Reading Recovery Program and hosts the statewide Early Literacy Project. It has garnered federal grants to assist in the preparation of Bilingual and Teaching English to Speakers of Other Languages (TESOL) professionals. Faculty in the college participates with ten other universities in a five-year National Teacher Work Sampling project of the United States Office of Education.

In addition to programs that prepare teachers, in 1998, the college received CBHE approval to initiate graduate and undergraduate sport management programs and continues to offer graduate degrees in Community Counseling and Higher Education Practice for non-teaching professionals.

Other noteworthy activities that enforce its accreditation objectives are:

- National Board for Professional Teaching Standards support program for area teachers;
- Regional Professional Development Center for area teachers, administrators, and counselors;
- Web-based, distance learning, and off-campus courses at the undergraduate and graduate level;
- International and American Indian Reservation student teaching;
- Transitional and Alternative Certification programs for non-traditional students;
- Beginning Teacher Assistance Program;
- Missouri Assessment Program Center;
- Portfolio assessment;
- National assessment of all earned degree graduates in teaching and education administration.

EDUCATIONAL ADMINISTRATION AND COUNSELING

Chairperson: I. Sue Shepard
Faculty: Lisa Bertrand, Gene Brunkhorst,
Robert Buchanan, Margaret Dalton, Jennifer Hart, Cheryl Milde, Zaidy Mohdzain, Juliesta Monteiro-Leitner, Verl Pope, Ruth Roberts, Doris Skelton, Rose O. Tallent, Jerry L. Waddle
The Department of Educational Administration and Counseling offers primarily graduate course work. See Graduate Bulletin for available programs. However, the department does provide course work of an elective nature, which may be applicable to various degree programs.

ELEMENTARY, EARLY, AND SPECIAL EDUCATION
Chairperson: R. Eleanor Duff
Faculty: Jean Benton, Luisa Ballester-Conception, Kathleen Conway, Jeanine Dobbins, JoAnne Dunham-Trautwein, Ann Gifford, Cynthia Gordinier, Beverly Hogan, Tahsin Khalid, Gale McMahan, Howard P. Parette, Jr., Julie Ray, Susan Reinagel, Joseph Sensibaugh, Min Zou
Dual Appointment Faculty: Gail Overbey, Sharo Shafaie
The Department of Elementary, Early, and Special Education provides programs for the preparation of teachers at the undergraduate level, and the improvement of teaching at the master's degree level. See Graduate Bulletin for listing of all advanced programs. Included at both levels are elementary education (grades 1-6) and education of exceptional children (K-12). The exceptional children programs include mental retardation, learning disabilities, and behavior disorders. The early childhood education program provides instruction for birth-grade 3.

MAJORS:
Early Childhood Education (B.S.Ed.)
Elementary Education (B.S.Ed.)
Exceptional Child (B.S.Ed.)

MIDDLE & SECONDARY EDUCATION
Chairperson: Frederick L. Yeo
Faculty: Simin Cwick, Mary Ann DeLine, Evelyn Lee, Winfred Pitts, Margaret Theobald
Dual Appointment Faculty: David Baird, Samuel Bishop, Leon Book, Alberta Dougan, Johnson B. Egbert, Ferrell Ervin, Robert Gifford, Michael McDonald, Carol McDowell, Gail Overbey, Adelaide Parsons, Tamela Randolph, Katherine Riggen, Edwin Smith, Margaret Waterman, Glen Williams

The Department of Middle & Secondary Education has joint responsibility with the relevant academic departments for 5-9, 9-12 and/or K-12 programs leading to certification in the areas listed below as well as Music Education (K-12) and Family and Consumer Sciences Education (9-12). Journalism (9-12) is available as a second certification in combination with certain majors. Extensive field experiences are an integral part of each program. Additionally, a Master of Arts with a major in Secondary Education and certifications in Teaching English to Speakers of Other Languages, and Speech and Language Specialist (K-12) are available for advanced study.

All programs in teacher education meet state requirements for certification and are fully accredited by the National Council for the Accreditation of Teacher Education (NCATE).

Several student organizations are active. Among them are Kappa Delta Pi (founded in 1925 as the first honorary on campus), Student Council for Exceptional Children (SCEC), Student Missouri State Teachers Association (SMSTA), Student International Reading Association, Student World Council for Curriculum and Instruction (SWCCI) and Student NCA.

MAJORS (B.S.Ed.) MUST BE CHOSEN FROM:
Art (K-12)
Biology Education (9-12)
Industrial Education (9-12)
Business Education (9-12)
Mathematics (9-12)
Chemistry Education (9-12)
Earth Science Education (9-12)
English (9-12)
French (K-12)
German (K-12)
Middle School Education (5-9)
Physical Education (K-12)
Physics Education (9-12)
Social Studies (9-12)
Spanish (K-12)
Speech Education (9-12)

COLLEGE OF HEALTH AND HUMAN SERVICES
Loretta P. Prater, Dean
Department of Aerospace Studies
Department of Communication Disorders
Department of Criminal Justice and Sociology
Department of Health, Human Performance, and Recreation
The College of Health and Human Services is responsible for the management of departments and programs in the rapidly expanding health and human service fields. The College's mission is to provide leadership and support for the teaching, research, scholarship, and service responsibilities of its units. The College is composed of applied professions that are committed to an interdisciplinary model of education and performance. It strives for an environment in which linkages with other programs, colleges, and schools are desired and encouraged. The College takes a leadership role in encouraging positive and collaborative working relationships between the University and the community. The College shares the educational responsibility to make available to all students the intellectual resources that will add meaning and interest to their lives; to provide an education which will enable them to make important cultural, social, and economic contributions in their community and state; and to provide an education of a quality and scope that will prepare students for lifelong learning.

The College of Health and Human Services is student, community, and faculty-oriented. Its education is based in the academic disciplines and graduates students with the flexibility and breadth to adapt to a rapidly changing, multicultural, and technologically oriented environment. The curricula and programs of the College require a mastery of knowledge and problem-solving ability that is basic to human growth, development, and healthy functioning. The thrust of the College is to prepare an ethical professional who is equipped to provide a wide range of activities to increase their leadership and support lifelong learning.

The College of Health and Human Services is student, community, and faculty-oriented. Its education is based in the academic disciplines and graduates students with the flexibility and breadth to adapt to a rapidly changing, multicultural, and technologically oriented environment. The curricula and programs of the College require a mastery of knowledge and problem-solving ability that is basic to human growth, development, and healthy functioning. The thrust of the College is to prepare an ethical professional who is equipped to provide service in a variety of settings including businesses, homes, schools, hospitals, and community, social, and justice agencies. Health and human services encompass the concern with the quality of human life at all stages of development. These services are directed toward the total person, actualizing throughout the life cycle.

To achieve its mission and as a basis for planning, the College maintains eight purposes. The College will:

- Provide undergraduate professional programs that are strongly grounded in liberal education and interdisciplinary cognate knowledge; provide experiences which develop excellent professional knowledge and skills; focus on interactive relationships between theory and practice; provide active experiential learning; develop broad holistic concepts of health and human service throughout the life span and among varying cultures and behaviors; and provide experiences which develop skills in communication, critical thinking and value decisions as they apply to the health and human services professions.
- Provide graduate education in those professional areas where developing trends, manpower and regional needs justify and where college and institutional resources are of sufficient quality and quantity to support the development of advanced levels of professional and academic competencies.
- Provide undergraduate and graduate programs that actively encourage equal access by a broadly diverse student population.
- Design educational services and programs that interface with community, regional, and state agencies and businesses; that extend professional competencies and academic knowledge to constituent groups in the region; and that facilitate and support lifelong learning to enhance quality of life.
- Contribute to the advancement of knowledge by facilitating and supporting research, scholarship, innovative teaching and creative endeavors with appropriate dissemination throughout the college, university, region, state, nation, and internationally.
- Provide educational leadership in health promotion and the enhancement of the human experience through strong participation in the liberal education of the university student and the total university community.
- Encourage professional leadership in the university region, state, nation, and internationally, through active involvement in the development of research, policy, and legislation that impacts on the health and human service professions and which addresses unique health, social and economic issues in Southeast Missouri.
- Maintain and establish professional accreditation where appropriate and available to ensure quality and excellence in the health and human services professions.

AEROSPACE STUDIES

Chairperson: Major Michael Berry

One of three such programs in Missouri, the Southeast Air Force ROTC has received the Air Force Outstanding Unit Award as one of the best ROTC units in the nation. The Department of Aerospace Studies offers prospective Air Force officers the opportunity to participate in a wide range of activities to increase their leadership and management skills. Scholarships are available for qualified students. Graduates who successfully complete the program are commissioned in the Air Force.
COMMUNICATION DISORDERS

Chairperson: Sakina S. Drummond
Faculty: Marcia Brown, Martha J. Cook, Jane Edwards, Joy Kimura Galentine, Sophia Hadjian, Joyce Renaud, Kevin Squibb

The Department of Communication Disorders provides students with a broad-based theoretical foundation in communication disorders at the undergraduate level. This includes a contemporary curriculum in normal processes of human communication as well as evaluation, treatment, and research into human communication and its disorders. Active learning experience is provided through a strong clinical training component within the University Speech and Hearing Clinic.

The graduate program in speech-language pathology is accredited by the American Speech-Language-Hearing Association. Upon completion of the graduate program, students are eligible for state and national certification. A broad selection of career challenges is available for professional speech-language pathologists. Career opportunities exist in a variety of professional settings including medical centers, higher education, community-state-federal health services agencies, public schools and private practice.

MAJOR:
Communication Disorders (B.S.)

MINOR:
Communication Disorders

CRIMINAL JUSTICE AND SOCIOLOGY

Chairperson: John Wade
Faculty: Henry Azuma, Michael Brown, Linda Ferrell, Peter Hirschburg, Arrick Jackson, Gwinn Lovel, Gerald Stott, Carol Veneziano, Louis C. Veneziano

The Department of Criminal Justice and Sociology provides undergraduates in Criminal Justice with a core of courses central to the discipline of criminal justice. Students are also exposed to specialized courses as preparation for careers in law enforcement, corrections and security. The department serves more than 300 majors and a large number of students who enroll in criminal justice courses for elective credit.

The Department has an internship program for Criminal Justice majors which provides students with an opportunity to observe professionals in their fields and with practical job experience. Students may continue course work at the graduate level by pursuing the Criminal Justice Administration option of the Master of Science in Administration degree.

The Sociology program offers both the Bachelor of Arts and Bachelor of Science degrees, as well as minors in Sociology and Criminology. Through elective sequences, sociology majors may choose an emphasis in such areas as criminology/deviant behavior, family, and social research/applied sociology. Sociology is an accepted pre-law curriculum.

The Department is recognized for its sponsorship of national and regional meetings and its scholarly activity.

MAJOR:
Criminal Justice (B.S.)
OPTIONS:
Correction
Law Enforcement
Security Management

Sociology (B.A., B.S.)

MINORS:
Criminal Justice
Criminology
Family Studies
Social Rehabilitation and Treatment
Sociology

HEALTH, HUMAN PERFORMANCE, AND RECREATION

Chairperson: Mark Langenfeld
Faculty: Jeremy Barnes, Beth Easter, Craig Elder, Sarah Hardin, Ed Leoni, Larry Proctor, Joseph Pujol, Tim Rademaker, Kathy Riggen, Amanda Sinclair, Seido Sofo, Tammie Stenger.

The Department of Health, Human Performance, and Recreation offers a variety of programs that prepare professionals to make an impact on health throughout the lifespan. Programs address quality of life, teaching, recreation, coaching, and sport issues. Coursework in all majors includes experiential learning opportunities and culminates in a capstone internship experience or student teaching. Graduates work in a wide array of settings including schools, park and recreation departments, sports team organizations, youth agencies, sports medicine and rehabilitation centers, fitness and wellness facilities, and hospitals. Departmental facilities and equipment include a well-equipped exercise physiology laboratory located in the Student Recreation Center. The Athletic Training Education program and the Recreation program are fully accredited programs.

MAJORS:
Health Management (B.S.)
OPTIONS:
Athletic Training
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Exercise Science
Health Promotion
Physical Education (B.S.Ed.)
Recreation (B.S.)
Sport Management (B.S.)
MINORS:
Coaching
Fitness and Exercise Science
Health Promotion
Recreation
Sport Management
PRE-PROFESSIONAL PROGRAM:
Pre-Physical Therapy

HUMAN ENVIRONMENTAL STUDIES
Chairperson: Paula R. King
Faculty: Mary E. Ambry, Shelba Branscum, Carolyn Cocswell, Deborah Cohen, Sara Garner, Anne Marietta, Marcia Nelms, Marilyn Schlosser, Sharo Shafaie, Carol Stuhr, Georganne Syler, Rachel Thomson
The Department of Human Environmental Studies offers diverse programs to improve the quality of life of children, individuals, and families. Cooperating programs emphasizing early childhood and gerontology are available for interested students. All programs include student involvement with model facilities. The Associate of Applied Science in Child Care and Guidance was the first such program offered in Missouri, and is a model throughout the State.
An American Dietetic Association-approved undergraduate program plus a post-baccalaureate internship in dietetics is offered by the Department. After completing a post-graduate internship, graduates are eligible to take the registration examination for the Registered Dietitian credential.
The Foodservice and Hospitality Management major prepares students for employment in Missouri’s tourism industry. Internships are available through area hotels and restaurants. Close ties with industry are maintained through a student chapter of the Missouri Restaurant Association.
Housing and interior design and fashion merchandising students combine a marketing management background with their study to become professionals in the business world.
The Family and Consumer Sciences Education degree meets the requirements of the Missouri Department of Elementary and Secondary Education. Students completing this program have a broad-based educational background, in addition to the teaching certificate.

The Eldercare Center, a model day care program for the elderly, offers students experience in working with the elderly. The Center for Child Studies, a preschool laboratory, provides diverse practicum experiences for students. Programs associated with the department include Workshop on Wheels, Family Strengths, Childcare Resource and Referral, School Aged Child Care, Senior Learning Program, SAVVY, and APPLE.
MAJORS:
Foodservice & Hospitality Management (B.S.)
Human Environmental Studies (B.S.)
OPTIONS:
Child Development
Dietetics
Family Life
Fashion Merchandising
Housing and Interior Design
Family and Consumer Sciences Education (B.S.Ed.)
Child Care and Guidance (A.A.S.)
MINORS:
Child Life Services
Child Studies
Family Economics & Management
Family Studies
Fashion Merchandising
Food Service & Hospitality Management
Gerontology
Interior Design
Nutrition

NURSING
Chairperson: A. Louise Hart
Faculty: Linda Bugle, Gloria Green, Kathy Ham, Jenny Harkey, Linda Heitman, Elaine Jackson, Lisa Job, Brenda Johnson, Cheryl Kieffer, Kathryn Kornegay, Bobbi Morris, Ellen O’Rourke, Desma Reno, Julie Sappington, Ann Sprengel, Janet Weber, Terri Woods, Cathy Young
The Department of Nursing offers two nursing degrees: a Bachelor of Science in Nursing (BSN), and a Master of Science in Nursing (MSN). The BSN is accredited by the Missouri State Board of Nursing and the Commission on Collegiate Nursing Education (CCNE). The MSN is accredited by the Commission on Collegiate Nursing Education (CCNE). After passing the national examination, graduates of the BSN program are eligible to apply for licensure as Registered Professional Nurses in all 50 states and the U.S. territories. Within the Bachelor of Science in Nursing there is a registered nurse to a Bachelor of Science in Nursing (RN to BSN) completion track. The RN to BSN track is offered both on campus and at an off campus site.
The focus of the Master’s Program is advanced specialty role implementation within an environment of knowledgeable caring. The MSN includes Family Nurse Practitioner, Adult Health Clinical Nursing Specialist and Nurse Educator tracks. For more information, see the Graduate BULLETIN.

Students are provided a variety of learning experiences in classrooms, laboratories and clinical facilities, are actively involved in all aspects of health care delivery. As the Department continues to develop and expand, faculty provide continuing education for the community, and are developing outreach programs for the service area.

**MAJOR:**
Nursing (B.S.)

**SOCIAL WORK**

Chairperson: Michael D. Parker
Faculty: Jean Bernstein, Janice Chadha, Tiffany Parker, Robert Polack, Frederick Robinson, Jack Stokes

The principle educational goal of the social work program is to prepare students for beginning generalist social work practice. The generalist curriculum is grounded in the cardinal social work values of human worth and dignity, social and economic justice, diversity, and service. Students acquire the skills, knowledge, and ethics necessary for entry-level social work practice or the pursuit of a graduate degree in the field. The final semester is spent in field practicum actually working with clients. The Social Work program at Southeast Missouri State University is fully accredited by the Council of Social Work Education.

**MAJOR:**
Social Work (B.S.)

**MINOR:**
Social Work

**COLLEGE OF LIBERAL ARTS**

Martin M. Jones, Dean
Department of Art
Department of Communication
Department of English
Department of Foreign Language and Anthropology
Department of History
Department of Music
Department of Political Science, Philosophy and Religion
Department of Psychology
Department of Theatre and Dance

The College of Liberal Arts provides courses of study in the fine and performing arts, the humanities, and the behavioral and social sciences. Faculty in the nine departments of the College teach most of the liberal arts curriculum offered for all students through the University Studies program. They also teach both in traditional and contemporary applied modes the various disciplines represented in the College, and provide disciplinary substance in art, English, French, music, social studies, Spanish, and speech communication and theatre for the teacher education program.

The roots of liberal arts education reach back to the classical Greek civilization where the role of the autonomous individual thinker as an active social participant emerged. The arts, humanities, and social sciences have evolved as those fundamental disciplines, which inquire into the nature and value of both individual and collective human experience in all of its creative and destructive manifestations. Teaching students to understand and exercise their individual creative capabilities in relation to their moral, political, and social responsibilities as citizens in a democratic and pluralistic environment is at the heart of the faculty’s involvement in active learning and scholarship. Helping students reach their full potential for life-long learning and self-realization in the various roles and careers they will pursue is the aim of liberal arts education.

Preparing students for direct entry into initial career employment or for advanced training is the purpose of the structured major programs offered by the College. Some programs, like advertising, graphic, video production, journalism, historic preservation, music education, or theatre, may lead to employment upon graduation from the baccalaureate curriculum. Other majors, like English, French, German, history, music, philosophy, political science, psychology, Spanish, or speech communication, can prepare students for the world of work and graduate study in that or a related field or in a professional school for a career in law, business, medicine, or public administration.

**The curricular objectives of the College of Liberal Arts are:**

- To improve communication and critical thinking skills.
- To expand the ability to make sound evaluations, responsible judgments, and conscientious commitments.
- To develop aesthetic appreciation and artistic creativity.
- To imbue students with a sense of their history and an appreciation for the development and values of other societies and cultures.
To enable students to function more effectively and to provide leadership in both interpersonal and public situations.

To instruct students in sophisticated intellectual modes of analysis and inquiry in order to improve their problem-solving ability and capacity to generate new knowledge.

To provide learning environments that extend beyond the formal instruction of the classroom or studio into practical experiences and internships as well as the student’s daily life.

To create a community of scholars-teachers-learners as an activity in which faculty members and students participate mutually for their collective benefit and that of society at large.

To help students integrate their varied courses of study in the university with the objectives of a liberal education for the purpose of achieving greater personal integrity.

To continue to create new knowledge and share the expertise of the faculty, staff, and students with the community for its enrichment.

ART
Chairperson: Patricia Reagan
Faculty: Samuel Bishop, Louise Bodenheimer, Ronald Clayton, Lane Fabrick, Stanley Grand, Amy Kephart, Laura MacCaskey, Sarah A. Riley, Paul Schock, Edwin Smith

The Department of Art offers courses in graphic design, illustration, painting, drawing, ceramics, printmaking, fibers, sculpture, watercolor, art education, computer imaging/animation, art history and new genre. Following basic study in a core curriculum and upon completion of the foundation review, students may choose an elective sequence of courses from eight areas in the B.F.A. program or a program leading to a B.A. Liberal Arts degree, or electives leading to a B.S. in Education. Those interested in art history may select classes which consider periods from ancient art to twentieth century developments. Art majors are required to enter work every year in the Juried Student Assessment Exhibition.

MAJOR:

MINORS:
Art
Art History
Art/3-D Studio

COMMUNICATION
Chairperson: R. Ferrell Ervin
Faculty: Tamara Baldwin, James Dufek, Susan Gonders, Karie Hollerbach, Fred Jones, Don Jung, Roy Keller, Karen Kight, Bruce Mims, Larry Underberg, Michael Weatherston, Roseanna Whirlow, Glen Williams, Cindie Jeter Yanow, Tamara Zellers-Buck

The Department of Communication offers programs in Mass Communication and Communication Studies. The Mass Communication program has a general core of study and options in Advertising, Journalism, Public Relations, Radio, Video Production, and Media Studies within the traditional framework of the liberal arts. It also offers a minor in Mass Communication.

These study options help equip students for careers in the mass media or support industries of advertising and public relations.

Students interested in Communication Studies study both classical and contemporary theories of human communication. By developing skills in interpersonal and small group communication, organizational communication, and public communication, students prepare themselves for a variety of activities and careers which require skilled communicators. A forensics program, emphasizing debate activities, is available for interested students desiring to test their knowledge and skills in intercollegiate competition and is especially recommended for those planning a legal career. The forensics program and membership in Pi Kappa Delta, the forensics honorary, are open to majors and non-majors. In addition to formalized internships, laboratory experiences are available through the “All-American” student newspaper, the CAPAHA ARROW; a university-operated Public Radio affiliate, KRCU 90.9 FM; a closed-circuit television channel; a department operated low power FM station, KMXQ-AM; and the Southwestern Bell corporate video production facility.

MAJORS:
Corporate Communication (B.S.)
Mass Communication (B.A.)

OPTIONS:
Journalism
Media Studies

Mass Communication (B.S.)

OPTIONS:
Advertising
Corporate Video
Public Relations
Radio

Speech Communication (B.A.)

OPTIONS:
Forensic Communication
Interpersonal & Small Group Communication
Organizational Communication
Public Communication
Speech Education (B.S.Ed.)

MINORS:
Business Communication
Communication for Legal Professionals
Interpersonal and Small Group Communication
Mass Communication
Public Communication

ENGLISH
Chairperson: Carol Scates
Faculty: Roger Arpin, Nancy Blattner, Stephanie Chamberlain, Sonja Davis, Jacob Gaskins, Robert Hamblin, Dale Haskell, Harvey Hecht, Michael Hogan, Evelyn Biler Menz, Dean Monahan, Sheila Pardee, Adele Parsons, Pennie Pflueger, Kerry Purnench, Debrah Raschke, David Reineheimer, Dean Shackelford, Susan Swartwout, Robert Zeller, Deqi Zen

Study in the Department of English centers on writing, literature, and linguistics. Those with special interest in composition will find courses in creative writing, practical and professional written communication, styles of writing, and rhetorical theory. For students whose primary concern is with literature, the Department offers work in British, American, and World prose, poetry, and drama. Also available for those preparing to teach English are courses in techniques of teaching English, Linguistics, and studies in English as a second language.

MAJOR:
English (B.A.)
OPTIONS:
Literature
Writing

English (B.S.Ed.)

MINORS:
Literature
Small Press Publishing
Writing

FOREIGN LANGUAGES AND ANTHROPOLOGY
Chairperson: Dieter Jedan
Faculty: Beth Adkins, Warren Anderson, Leon Book, Gabriele Eckart, Richard Kump, Alvaro Leiva, Daniel MacLeay, Carol Morrow, Conny Palacios, Michael Roark, Alice Strange

The Department of Foreign Languages and Anthropology offers major and minor programs in Anthropology, French, Geography, German, and Spanish, as well as a minor program in Archaeology. Opportunities for study abroad may be sought through the department. A variety of internships, here and abroad, are available to our majors.

The Foreign Language program emphasizes communication skills, literature, and culture studies. Courses are also available in commercial French, German and Spanish.

Through classroom work, field experiences, internships, and guided independent study, Anthropology students are trained in cultural studies and ethnographic methodology, archaeological theory and methods, physical anthropology and linguistics, toward preparation for an advanced degree in a specialized area of Anthropology or for an entry-level position in the field.

The Geography program emphasizes both cultural and political aspects of the world, providing students with a better understanding of the physical world and its inhabitants. The program offers students marketable skills and the broad perspectives on environment and society that enable graduates to move beyond entry-level positions and that provide students a sound foundation for graduate work in a variety of fields, from geography to business, land use planning, law and medicine.

MAJORS:
Anthropology (B.A.)
French (B.A., B.S.Ed.)
Geography (B.S.)
German (B.A., B.S.Ed.)
Spanish (B.A., B.S.Ed.)

MINORS:
Anthropology
Archaeology
French
Geography
German
Spanish

HISTORY
Chairperson: James Ermatinger
Faculty: Troy Bickham, J. David Cameron, Eric L. Clements, Dalton Curtis, Alberta M. Dougan, Larry Easley, Steven Hoffman, Frank Nickell, Joel Rhodes, Christopher Schnell, Bonita Stenoff, Joseph Werne

In addition to a curriculum for traditional careers in history, the Department of History offers expanding, innovative programs in response to the changing needs of students. From ancient times to the twentieth century, from African studies to local history, the diversity
of faculty preparation and scholarly activity encourages the development of student interests. The Department also offers a major in historic preservation.

**MAJORS:**
- Historic Preservation (B.S.)
- History (B.A.)
- Social Studies (B.S.Ed.)

**MINORS:**
- Historic Preservation
- History
- Industrial Relations

**MUSIC**

**Chairperson:** Gary Miller  
**Faculty:** Barry Bernhardt, Brandon Christiansen, Sterling Cossaboom, Michael Dean, Daniel Dunavan, Sara Edgerton, Johnson Egbert, Robert Fruehwald, Marc Fulgham, Robert Gifford, Christopher Goeke, Steven Hendricks, Leslie Jones, Carol McDowell, Jeffrey Noonan, James Sifferman, Paul Thompson

The Department of Music offers the Bachelor of Arts in Music for students who wish to integrate music with studies in other disciplines; the Bachelor of Music in Performance or Composition for students who wish to perform professionally or create new music in the classical, electronic and avant garde traditions; and the Bachelor of Music Education for students who wish to teach public school music. All music degree programs prepare students for graduate and advanced professional studies.

Through its wide variety of ensembles and liberal arts oriented music courses, the department provides opportunities for all students, regardless of academic major, to develop their musical potential, to pursue their musical interests and to fulfill their lifelong vocational and avocational musical goals. Through its varied activities, the department enriches the musical life of the university and the community.

Students who wish to declare music as their major must meet the admission requirements of the university and of the department and perform an audition before the applied music faculty. Acceptance in a music degree program is contingent upon the demonstration of a basic level of competency in a performance medium, the ability to read musical notation, the ability to hear and reproduce pitches, the recommendation of a music professional, and the approval of the music faculty. Specific audition and admission requirements may be obtained from the department office.

All students wishing to advance in each program of study must earn a grade of “C” or better in all courses in the major. Students who fall below 3.0 in the major will be placed on notice as subject to dismissal from their program of study after two successive semesters if the GPA has not been raised to 3.0. All students are advanced in applied music competency level by a juried performance at the end of each semester.

**MAJORS:**
- Music (B.A.)
- Music (B.M.)

**OPTIONS:**
- Instrumental Performance
- Vocal Performance
- Composition

**MINOR:**
- Music

**POLITICAL SCIENCE, PHILOSOPHY AND RELIGION**

**Chairperson:** Hamner Hill  
**Faculty:** Rickert Althaus, Gary Cesarz, Mitchel Gerber, Albert Hayward, Dennis Holt, Alynna Lyon, Harold Oh, Russell Renka, Bambi Robinson, Brian Smentkowski, Stephen Swindle, Jeremy Walling

The Department of Political Science, Philosophy, and Religion offers both a Bachelor of Arts and a Bachelor of Science with majors in Political Science, a Bachelor of Arts with a major in Philosophy, and minors in Political Science, Public Administration, Philosophy, and Religious Studies. The department has all the major fields in Political Science: American Politics, Comparative Politics, International Relations, Political Theory, and Public Administration. The Department serves the University with pre-law advising to assist all students planning a legal career. The Public Administration Program focuses on public employment, and is strongly supported by internships in government and not-for-profit institutions. The Philosophy program includes study in the traditional areas of history, logic, and ethics, and offers advanced study in philosophy of law, aesthetics, philosophy of science and contemporary philosophy. The program is broad based and encourages the development of literary and conceptual skills together with appreciation for the best of humanistic scholarship. A major in philosophy provides excellent preparation for students wishing to graduate work in philosophy, business and law. The department provides a strong contribution to the University Studies program with offerings at the upper and lower division aesthetics, philosophical classics, ethics, logic, American govern-
ment, comparative politics, social philosophy, Old and New Testament literature and world religions. The department also offers a wide range of courses in applied ethics (business, environmental, media, and medical ethics), political theory, jurisprudence, and holocaust studies.

**MAJOR:**
- Philosophy (B.A.)
- Political Science (B.A., B.S.)

**MINORS:**
- Philosophy
- Religion
- Political Science
- Public Administration

**PSYCHOLOGY**

**Chairperson:** Richard A. Burns  
**Faculty:** Douglas Arwood, Ken Callis, Lawrence Clark, Laura Delgado, Phillip Finney, Wayne Hoover, Norman Kinney, Paul Lloyd, Gail Overbey, Leslee Pollina, Rickard Sebby, William E. Snell, Jr., Dora Weaver, Martha Zlokovich

The Department of Psychology offers an undergraduate major that leads to the Bachelor of Science degree. The goal of this program is to provide a common set of learning experiences that characterize the breadth and diversity of the discipline. The program establishes a solid foundation for a variety of career goals including those which involve graduate education in psychology. In addition to preparing our majors for graduate education and careers in human services, our courses support many other undergraduate programs including business, criminal justice, education, and nursing. Departmental courses also support graduate programs throughout the university and the core curriculum and upper-level interdisciplinary curriculum of the University Studies Program.

Faculty in the department represent a wide range of professional interests. Many are involved in professional activities, including both scholarly research and leadership in professional organizations. Numerous service activities are provided to the surrounding area by faculty members in the department.

The department sponsors two student organizations: Psychology Club and Psi Chi, the national honor society in psychology. Membership in the Psychology Club is open to all interested students; membership in Psi Chi is by invitation to students who meet its academic requirements. Both organizations provide opportunities for students to become involved in the discipline and profession of psychology. The department and student organizations coordinate the annual Southeast Missouri State University Student Research Conference.

**MAJOR:**
- Psychology (B.S.)

**MINORS:**
- Family Studies
- Industrial Relations
- Psychology: Applied
- Psychology: Developmental
- Psychology: General
- Psychology: Psychological Services

**THEATRE AND DANCE**

**Chairperson:** Kenn Stilson  
**Faculty:** Sharon Bebout-Carr, C. Kenneth Cole, Robert Dillon, Dennis Seyer, Marc Strauss, Rhonda Weller-Stilson, Roseanna Whitlow, Paul Zmolek

The Department of Theatre and Dance offers students an intensive training program in the development of an informed appreciation of the performing arts within the context of a liberal arts education designed to prepare students for advanced educational programs, internships, and the professional performing arts market.

Theatre and Dance offerings include a variety of sequential courses in acting, choreography, dance, design, directing, performance studies, technical theatre, and dance and theatre history and literature. Each year, the department produces four mainstage and two second-stage theatre and dance faculty directed/choreographed productions, resulting in ample opportunity for students to gain technical and performance experience in Forrest H. Rose theatre, a fully equipped professional facility. The Department of Theatre & Dance also frequently collaborates with the Department of Music in musical theatre productions. Additional projects, including those directed by students, are staged in the more intimate Lab Theatre, Parker Dance Studio, and "found spaces."

The department is actively involved with the Southeastern Theatre Conference, Midwest Theatre Auditions, American College Dance Festival, United States Institute for Theatre Technology, and the Kennedy Center/American College Theatre Festival. Students are encouraged to participate in various competitions and workshops and vie for professional employment and internships across the country.

Majors, non-majors, and community members are eligible to audition for all shows. All students may gain membership in Dance Xpressions, University Players, and Black Mask Honorary Dramatic Society.

**MAJOR:**
Performing Arts (B.F.A.)
OPTIONS:
- Dance
- Design/Tech
- Theatre Performance

Theatre (B.A.)
MINORS:
- Dance
- Technical Theatre
- Theatre Arts
- Theatre Performance

COLLEGE OF SCIENCE AND MATHEMATICS

Chris W. McGowan, Dean
Jai N. Dahiya, Associate Dean

Department of Biology
Department of Chemistry
Department of Computer Science
Department of Geoscience
Department of Mathematics
Department of Physics and Engineering Physics

Program in Environmental Science
The College of Science and Mathematics offers programs of instruction in the physical and natural sciences, computer sciences, environmental science, and science education. The foundation of these programs is an active faculty of teacher-scholars supported by well-equipped laboratories. Modern technology, including up-to-date-computers, is integrated throughout the curricula and in faculty and student research. External funding of research in the College is substantial and increasing, providing outstanding opportunities for undergraduate involvement. Service to our region is provided by the College through the Linda Godwin Center of Science and Mathematics Education, the NASA Education Resources Center, and the Southeast Missouri Regional Crime Laboratory.

The curricular objectives of the College of Science and Mathematics are:
- To offer modern, current, and excellent instruction of adequate breadth in the respective disciplines.
- To maximize the learning experience of all students in the college utilizing scientific methods through provision of modern laboratory and field experiences of the highest quality.
- To promote the involvement of students in high quality experiential learning experiences including undergraduate research and/or internships.
- To provide alone, and in consort with other colleges, high quality pre-professional, vocational, and outreach programs of regional and timely significance.
- To provide exemplary instruction in science, mathematics, and technology for students satisfying University Studies requirements.

BIOLOGY
Chairperson: William Eddleman
Faculty: Allan Bornstein, James Champine, Christina Frazier, Allen Gathman, Frederick Janzow, Alan Journet, John Kraemer, Mark Langenfeld, Walt Lilly, Stephen Overmann, John Scheibe, David Starrett, Rex Strange, Lucinda Swatzell, Steven Trautwein, Margaret Waterman

The Department of Biology programs are supported by a 150-acre sanctuary known as the I.R. Kelso Wildlife Sanctuary and an 8-acre Juden Creek Natural History Area. The sanctuary and the surrounding area provide rich reserves for field studies. Students interested in wildlife biology will find opportunity to select an appropriate course of study. The Department is also affiliated with the Gulf Coast Research Laboratory (Mississippi) and the Reis Biological Station (Missouri Ozarks). These affiliations provide unique coursework opportunities. Student research opportunities are strongly encouraged by the faculty. Student interest groups such as the Biology Club, the Southeast Student Medical Society, and Tri-Beta, the biology honorary society, are supported by the Department.

MAJOR:
- Biology (B.S.)
- Biology Education (B.S.Ed.)

MINORS:
- Botany
- Microbiology
- Zoology

PRE-PROFESSIONAL PROGRAMS:
- Pre-Chiropractic
- Pre-Dentistry
- Pre-Medicine
- Pre-Optometry

CHEMISTRY
Chairperson: Philip Crawford
Faculty: Mohammed Ali, Marcus Bond, Sharon Coleman, Bruce Hathaway, James W. McGill, Chris McGowan, Bjorn Olesen, Michael Readnour, David Ritter, Michael Rodgers
The Department of Chemistry is fully accredited by the American Chemical Society and provides students access to a program of study, facilities, and instructional staff which meet the standards of the world’s largest scientific society. The department also works with students interested in our PrePharmacy and Medical Technology programs.

Our students interact and work closely with the faculty both in and out of the classroom. Many students work as laboratory assistants and graders. Students also work on research projects. They have opportunities to give presentations at professional meetings and to co-author published articles. The Regional Crime Laboratory, which is affiliated with the department, gives students opportunities to explore forensic science. Our student affiliate chapter of the American Chemical Society also promotes an interactive faculty-student environment through both professional and social activities.

**MAJORS:**
- Chemistry (B.A., B.S.)
- Chemistry Education (B.S.Ed.)
- Medical Technology (B.S.)

**MINOR:**
- Chemistry

**PRE-PROFESSIONAL PROGRAM:**
- Pre-Pharmacy

**COMPUTER SCIENCE**

Chairperson: Anthony Duben

Faculty: Helen Hays, James Hays, Ziping Liu, David Naugler, Kamayasamy Surendran, William J. Weber, Xuesong Zhang

The Department of Computer Science has programs designed to provide students with the skills necessary for entry-level positions in a variety of computer science areas or for graduate study and the basic knowledge needed throughout their professional careers. Employment opportunities remain high for program graduates. An Information Systems minor is available to those wishing to use computers in their chosen profession.

Because Computer Science is a rapidly expanding field, the faculty engages in applied research for peer review and publication, participate in professional and consulting activities, and serve the university and professional community in numerous activities. The Department also sponsors the student Computer Science Club.

**MAJORS:**
- Applied Computer Science (B.S.)

**OPTIONS:**
- Information Systems
- Interdisciplinary Applications
- Technology
- Computer Science (B.S.)

**MINORS:**
- Computer Science
- Information Systems

**ENVIRONMENTAL SCIENCE**

Stephen Overmann, Director

Environmental Science is an inter-departmental program based in the College of Science and Mathematics, but with participating faculty from other colleges within the University. Environmental issues are extraordinarily complex, involving scientific, economic, legal, ethical, health, and social concerns. The diversity of expertise among the environmental faculty is recognition of the need for a multi-disciplinary approach to environmental issues.

Assurance of a quality environment for ourselves and future generations must rank among the most important needs of society. Challenges to environmental quality are evident at the regional, state, national, and global levels. Governments, businesses and industries, and societal organizations at all levels have mobilized to meet these environmental challenges. Correspondingly, there is a societal need for personnel specifically educated and trained to act as leaders in efforts to address and resolve these difficult environmental issues.

The primary goal of the Environmental Science program is to prepare graduates for leadership positions in the environmental science professions in the 21st century. Graduates of the program will be prepared for competitive placement in entry-level positions in the environmental field and for competitive admission to graduate and professional school programs related to the environmental field.

**MAJOR:**
- Environmental Science (B.S.)

**MINOR:**
- Environmental Science
- Environmental Studies

**GEOSCIENCES**

Chairperson: David Probst

Faculty: Michael Aide, Gary Cwick, Issa El-Hussain, John Holbrook, Ernest Kern, Gary Lowell, Nicholas Tibbs

The Department of Geosciences offers programs in geoscience and earth science education. Among its assets are the extremely rich geological study opportunities of the region. Specimen collections and several research facilities (e.g., Geoprocessing Lab) provide support for
laboratory and field studies. Student research opportunities are strongly encouraged by the faculty. Two student organizations, the Geoscience Society and the Grotto Club, are supported by the Department.

**MAJORS:**
- Earth Science Education (B.S.Ed.)
- Geoscience (B.S.)

**MINOR:**
- Geoscience
- Pedology/Soil Science

**MATHEMATICS**

Chairperson: Victor Gummersheimer

The Department of Mathematics is supported by computer laboratories and the Mathematics Learning Center. It offers a program in developmental mathematics to students with deficiencies in their preparation for college-level work. Independent investigations in mathematics are strongly encouraged by the faculty. In addition to its academic programs, the Department sponsors two student organizations called the Mathematics Club and the Southeast Missouri Student Educators of Mathematics Organization.

**MAJORS:**
- Mathematics (B.S.)

**OPTIONS:**
- Pure Mathematics
- Applied Mathematics & Statistics

**MINOR:**
- Mathematics

**PHYSICS & ENGINEERING PHYSICS**

Chairperson: David Probst
Faculty: Michael Cobb, Jai Daihya, Margaret Hill, Joseph Paikeday, Bijan Pashaie, John Tansil, Giulio Venezian

The Department of Physics and Engineering Physics offers three degree programs, all of which are designed around the set of objectives listed on the departmental website at [http://www6.semo.edu/pep/index.asp](http://www6.semo.edu/pep/index.asp). The Bachelor of Science degree in Engineering Physics is accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET) (111 Market Place, Suite 1050, Baltimore, MD 21202-4012, (410) 347-7700). The EAC of ABET is the sole accrediting body for engineering programs in the United States (see [www.abet.org](http://www.abet.org)). Engineering Physics is a hybrid of physics and electrical or computer engineering, depending upon the option. Also offered are a Bachelor of Science degree in Physics and a Bachelor of Science in Education with a major in Physics. In addition, the department coordinates the pre-engineering program in which students study for two years at Southeast then transfer to an engineering school to finish their degree.

Well-equipped laboratories and a variety of audio-visual resources support instruction in the department. The use of computers is emphasized in all programs, both as instructional tools and as components of laboratory experiments. Student research and independent study are strongly encouraged and supported by the faculty. The department sponsors the Physics and Engineering Club, the Astronomy Club, the Society of Physics Students, a national student organization, and Sigma Pi Sigma, the national physics honor society.

**MAJORS:**
- Engineering Physics (B.S.)

**OPTIONS:**
- Applied Physics and Engineering
- Computer Applications in Physics & Engineering

**PHYSICS (B.S.)**

**Physics Education (B.S.Ed.)**

**MINORS:**
- Engineering Physics
- Physics

**PRE-PROFESSIONAL PROGRAM:**
- Pre-Engineering

**SCHOOL OF POLYTECHNIC STUDIES**

Randall Shaw, Dean
Department of Agriculture
Department of Industrial & Engineering Technology

Today's industrial and agricultural environment is vast, dynamic, and highly dependent on technology. It is impossible to imagine sending graduates out into today's complex society without the very latest technical and management skills. Industrial and agriculture careers require skilled individuals with post-secondary degrees who can apply and manage technology to solve problems, and who can continue to learn and adjust to changes in technology as related to their positions.
At Southeast, technology is one of the hallmarks. The School of Polytechnic Studies was created in 1999 in recognition of the need for an educational unit that focuses on meeting the technical and management needs of industry and agriculture of the region. The Otto and Della Seabaugh Polytechnic Building is a state-of-the-art facility that has the finest classrooms, laboratories and equipment in an ergonomic setting designed to promote student learning.

The degree programs offered by the Department of Agriculture and Department of Industrial and Engineering Technology prepare graduates for a variety of career fields in the vast spectrum of today's changing high-tech society. The quality of the Department of Agriculture's programs and graduates are recognized regionally and nationally. Programs in the Department of Industrial and Engineering Technology are accredited by the National Association of Industrial Technology, and they also bring recognition to the department as a Missouri Center of Excellence in Advanced Manufacturing Technology.

The School of Polytechnic Studies is committed to combining traditional classroom learning with actual, real-world experience in order to make our students more marketable upon graduation. The internship and student research programs, the University Farm, Rice Research Station and the Horticulture Greenhouses provide excellent opportunities to combine classroom theory and practical experience. It is truly an exciting time to begin a career in programs offered by the School of Polytechnic Studies.

The School's undergraduate programs are designed around the following objectives:

- Provide a curriculum that prepares students for technical and management-orientated employment.
- Provide state-of-the-art laboratory and internship experiences for students to develop linkages between theory and practice.
- Develop skills in communications, critical thinking, problem solving, leadership and teamwork.
- Encourage and provide support for faculty through professional and applied research activities, to keep them current with content relevant to their instructional area of responsibility.
- Utilize faculty and student expertise in providing assistance to related industries in the area.

AGRICULTURE
Chairperson: Wesley Mueller
Faculty: Donn Beighley, Michael Best, William Ellis, Derald Harp, Harry Pry, Mack Wilson

The Department of Agriculture's teaching laboratories are supported by the 410-acre University demonstration farm, the horticulture greenhouses, Rice Research Station and the All-American display garden. An internship or undergraduate research project is required. The Department places a priority on interaction with students outside the classroom. Student groups, including the Agriculture Club, the Horticulture Club, Golf Course Superintendents Associate of America Club, the Pre-Veterinary Medicine Club, Delta Tau Alpha (the agricultural honorary society), and a collegiate Farm Bureau chapter are actively supported.

MAJORS:
Agribusiness (B.S.)
OPTIONS:
Agribusiness
Animal Science
Horticulture
Agriculture (B.S.)
OPTIONS:
Agriscience
Plant & Soil Science

MINORS:
Agriculture
Horticulture
Soils

PRE-PROFESSIONAL PROGRAMS:
Pre-Veterinary Medicine
Pre-Vocational Agriculture Education

INDUSTRIAL & ENGINEERING TECHNOLOGY
Chairperson: Ragu Athinarayanan
Faculty: David Baird, Gregory Boyd, Raj Desai, Carla Downing, Craig Downing, Ted Loso, Robert Lurker, Chenganag Met, Sophia Scott, Randall Shaw, Shaojun Wang

The Department of Industrial & Engineering Technology B.S. degrees are accredited by the National Association of Industrial Technology (NAIT) and prepare technical and technical management-oriented professionals for employment in business, industry, education, and government. The Department maintains a close association with local industry through an advisory committee, internship program, research program, and Society of Manufacturing Engineers (SME) student chapter. The Department is committed to providing students hands-on problem solving experience on the latest technologies. A high-tech Automated Manufacturing System Lab is an example of technology available to students. The department also offers a Master of Science in Industrial Management.

MAJORS:
College Information

Southeast Missouri State University 2003-04

Manufacturing Engineering Technology (B.S.)
Industrial Technology (B.S.)
OPTIONS:
- Construction Management & Design
- Electronics & Computer Technology
- Industrial Management
- Technical Graphics
- Technology

Industrial Education (B.S.Ed.)
Computer Technology (A.A.S.)
OPTIONS:
- Automated Manufacturing
- Microcomputer Systems
- Technical Computer Graphics

MINORS:
- Architectural Design
- Computer Networking
- Electronic Technology
- Graphic Communications Technology
- Industrial Management

TWO YEAR CERTIFICATES:
- Design Drafting
- Electronics
- Graphic Technology

PRE-PROFESSIONAL PROGRAM:
- Pre-Architecture
UNIVERSITY STUDIES PROGRAM

General or liberal education programs at most colleges and universities normally comprise about one-third of the baccalaureate curriculum. These programs are designed to provide the knowledge, skills, and experiences that are necessary to enable students to lead full and productive lives as educated men and women. At Southeast Missouri State University the liberal education program is called University Studies.

THEME:
Understanding and Enhancing the Human Experience

The cornerstone of the University Studies program is the acquisition of knowledge and intellectual skills common to educated people. Students must become acquainted with the various methods of inquiry by which knowledge is created, organized, tested, and learned. Further, students must develop the ability to analyze, synthesize, and evaluate knowledge for use in making intelligent decisions. In other words, students must be equipped to make sound choices by critically thinking through a problem or issue and assessing the implications of possible solutions. To assist students in making sound decisions about complex matters, University Studies emphasizes the need to integrate knowledge from various academic disciplines to better understand and respond to issues and problems. University Studies is intended to foster students' abilities to use knowledge in ways that lead to a fulfilling and principled personal and civic life. The ultimate goal of the University Studies program is to help students live as responsible citizens in a democratic society.

Specific objectives of the University Studies program are:

- Demonstrate the ability to locate and gather information.
- Demonstrate capabilities for critical thinking, reasoning, and analyzing.
- Demonstrate effective communication skills.
- Demonstrate an understanding of human experiences and the ability to relate them to the present.
- Demonstrate an understanding of various cultures and their interrelationships.
- Demonstrate the ability to integrate the breadth and diversity of knowledge and experience.
- Demonstrate the ability to make informed, intelligent value decisions.

First Year Introductory Course: 3 Hours
UI 100  First Year Seminar

Core Curriculum: 36 Hours
(100-200 Level Courses. No more than SIX hours in one department.)

- Perspectives on Individual Expression 12 Hours
- Perspectives on Natural Systems 12 Hours
- Perspectives on Human Institutions 12 Hours

Interdisciplinary Curriculum: 9 Hours
(No more than THREE hours in department of major.)

300 Level Courses 6 Hours
400 Level Senior Seminar 3 Hours

CORE CURRICULUM THEME:
Acquisition of Knowledge:
Gaining Perspectives on the Individual, Society, and the Universe

PERSPECTIVES ON INDIVIDUAL EXPRESSION

Artistic Expression (Choose ONE Course)

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>AR 108</td>
<td>Drawing in Society (3)</td>
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<tr>
<td>AR 111</td>
<td>Ceramics: A Metaphor for Understanding Human Experience (3)</td>
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<td>AR 112</td>
<td>Perspectives in Art (3)</td>
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<td>DA 100</td>
<td>Dance Appreciation (3)</td>
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<tr>
<td>FL 205</td>
<td>Art of French Cinema (3)</td>
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<td>LI 205</td>
<td>The Art of Film (3)</td>
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<tr>
<td>MM 101</td>
<td>Theories of Music in Culture (3)</td>
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<td>MU 181</td>
<td>Musical Encounters (3)</td>
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<td>MU 182</td>
<td>Music: An Artistic Expression (3)</td>
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<td>MU 190</td>
<td>Jazz Appreciation (3)</td>
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<td>PL 203</td>
<td>Aesthetics &amp; the Arts (3)</td>
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<td>TH 100</td>
<td>Theatre Appreciation (3)</td>
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<td>TH 101</td>
<td>Acting for Non-Majors (3)</td>
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Literary Expression (Choose ONE Course)

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<tbody>
<tr>
<td>FR 220</td>
<td>French Literature (3)</td>
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<tr>
<td>GN 220</td>
<td>German Literature (3)</td>
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<tr>
<td>LI 220</td>
<td>Fiction &amp; the Human Experience (3)</td>
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</table>
71 University Studies
Southeast Missouri State University 2003-04

Oral Expression (Choose ONE Course)

LI 221  Poetry & the Human Experience (3)
LI 222  Mythic Dimensions of Literature (3)
LI 243  Children's Literature (3)
LI 250  World English Literature (3)
LI 256  The Variety of Literature (3)
MH 252  The Evolution of Musical Style Since 1827 (3)

Written Expression (Choose ONE Course)

PL 110  Readings in Philosophy (3)
RS 201  New Testament Literature (3)
RS 202  Old Testament Literature (3)
SC 240/TH 140  Oral Interpretation (3)
SN 220  Hispanic Literature (3)

Living Systems (Choose ONE Course)

LI 221  Poetry & the Human Experience (3)
LI 222  Mythic Dimensions of Literature (3)
LI 243  Children's Literature (3)
LI 250  World English Literature (3)
LI 256  The Variety of Literature (3)
MH 252  The Evolution of Musical Style Since 1827 (3)

Oral Expression (Choose ONE Course)

FR 100  French Language & Culture I (3)
FR 120  French Language & Culture II (3)
FR 200  French Language & Culture III (3)
GN 100  German Language & Culture I (3)
GN 120  German Language & Culture II (3)
GN 200  German Language & Culture III (3)
SC 105  Fundamentals of Oral Communication (3)
SN 100  Spanish Language & Culture I (3)
SN 120  Spanish Language & Culture II (3)
SN 200  Spanish Language & Culture III (3)

Written Expression (Choose ONE Course)

EN 140  Rhetoric & Critical Thinking (3)
EN 190  Writing and the Environment (3)
PL 115  Philosophical Writing (Honors course) (3)

(Please review the course catalog for further class options.

Physical Systems (Choose ONE Course)

AN 100  Found of Human Behavior: Sex/Aggression (3)
HL 120  Health Perspectives (3)
PL 204  Ethical Theory (3)

Living Systems (Choose ONE Course)

BI 225  Research Methods in Biology (3)
BS 103/SW 103  Human Biology (3)
BS 105  Environmental Biology (3)
BS 107  Investigations in Biology (3)
BS 108  Biology for Living (3)
BS 218  Bio Science: Process Approach (3)
FN 235  Nutrition for Health (3)

Logical Systems (Choose ONE Course)

MA 118  Mathematics I (3)
MA 123  Survey of Mathematics (3)
MA 134  College Algebra (3)
MA 155  Statistical Reasoning (3)
PL 120  Symbolic Logic I (3)

Physical Systems (Choose ONE Course)

CH 180  Chemistry in Our World (3)
CH 181  Basic Principles of Chemistry (5)
CH 185  General Chemistry I (5)
GG 140  The Physical Landscape
         A Spatial Analysis (3)
GO 150  Earth Science: Envir Hazards (3)
PH 106  Physical Concepts (3)
PH 109  Exploring the Universe (3)
PH 120  Introductory Physics I (5)
PH 218  Physical Science: Process Approach (3)

NOTE: In order to receive a degree from Southeast, students must pass MA 095 Intermediate Algebra or score at the appropriate level on a placement test to have the course waived. This requirement should be completed before attempting any course in the Logical Systems category. This requirement applies to all students regardless of major selected.
## University Studies

### Southeast Missouri State University 2003-04

### Perspectives on Human Institutions

#### Development of a Major Civilization (Choose ONE Course)

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<td>AH 100</td>
<td>Ancient Egypt (3)</td>
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<tr>
<td>GG 160</td>
<td>American Peoples &amp; Civilization (3)</td>
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<td>GG 170</td>
<td>European Peoples &amp; Civilization (3)</td>
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<td>GH 100</td>
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<td>GH 130</td>
<td>Latin American Civilization (3)</td>
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<td>American History II (3)</td>
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<td>WH 103</td>
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<td>Economic Problems &amp; Policies (3)</td>
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<td>Principles of Microeconomics (3)</td>
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### Political Systems (Choose ONE Course)

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### Social Systems (Choose ONE Course)

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<td>Language &amp; Culture of the Deaf (3)</td>
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<td>EL 274</td>
<td>Diversity in America’s Schools (3)</td>
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<td>GG 150</td>
<td>People &amp; Places of the World (3)</td>
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<td>Cultural Geography (3)</td>
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<td>Mass Communication &amp; Society (3)</td>
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<td>MK 201</td>
<td>Values &amp; Social Issues in Business (3)</td>
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<td>Sport &amp; Society (3)</td>
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<td>World Religions (3)</td>
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<td>Society, Culture, &amp; Social Behavior (3)</td>
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<tr>
<td>SW 207</td>
<td>Understanding Social &amp; Cultural Diversity (3)</td>
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### Interdisciplinary Curriculum

#### Theme:
Integration of Knowledge: Living in an Interdependent Universe

#### 300 Level Interdisciplinary Courses (Choose TWO Courses)

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<td>Westward Movement: Devel of Amer Reg Cultures (3)</td>
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<td>The History &amp; Culture of West Africa (3)</td>
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<td>Judicial Reasoning (3)</td>
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<td>The Film as History &amp; Literature (3)</td>
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<td>UI 307</td>
<td>Economic Geography (3)</td>
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<td>UI 308</td>
<td>Cult &amp; Phys Landscapes of the World: A Geog Analysis (3)</td>
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<td>UI 309</td>
<td>Crime &amp; Human Behavior (3)</td>
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<td>The American Musical Exper (3)</td>
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<td>Masterpieces of French Novel (3)</td>
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<td>Perspectives on the Present (3)</td>
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<td>The African American Experience (3)</td>
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<td>Contemporary Legal Studies (3)</td>
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<td>Human Sexuality (3)</td>
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<td>Earth Science: A Process Approach (3)</td>
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<td>Lifestyle Enhancement (3)</td>
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<td>Consumer &amp; the Market (3)</td>
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<td>Consumers: Buying/Having/Being (3)</td>
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Degrees/Majors/Curricula
Degrees/Majors/Pre-Professional Curricula

Baccalaureate Degrees

The following statements pertain to all baccalaureate degrees:

- The University Studies Program, consisting of 48 hours, is required.
- A minimum of 56 hours must be earned at an accredited senior college or university.
- A minimum of 30 hours must be completed in residence at Southeast.
- A minimum of 30 hours of senior college courses (300-599) must be completed after completion of 45 hours.
- No more than one-half of the junior college and one-half of the senior college work on a major or minor may be taken by correspondence and/or extension.
- The student’s last term must be completed at Southeast, except that, in the case where six or fewer hours are needed to meet the total number of hours required for graduation, they may be taken at another accredited college or university, or by extension or correspondence subject to the rules governing extension courses and transfer of credit.
- A minimum of 124 hours of undergraduate degree credit (courses numbered 100-599) is required.
- A minimum cumulative GPA of 2.0 is required for graduation, except for the B.S. in Education, the B.S. in Family and Consumer Sciences Education, the Bachelor of Music Education, the major in Communication Disorders, and the major in Interdisciplinary Studies, which require a 2.5 GPA for graduation.
- A minimum 2.0 GPA must be earned in those courses completed at Southeast that are counted on the major.
- When applicable, a course may be counted toward more than one requirement, e.g., University Studies, major and minor.
- The student must pass EN 099 or EN 110; and MA 095 or score at the appropriate levels on placement tests to have the courses waived.

NOTE: There may be additional specific graduation requirements for individual programs. Further information is available in the College Advising Offices.

Majors

Degrees/Majors

The Colleges of the University and the Schools of Polytechnic Studies and University Studies offer majors in many fields to meet the diverse needs of its student population. Information regarding degrees and majors is available from the individual departments and from the following Advising Centers:

- Donald L. Harrison College of Business (Bus)
  Dempster Hall, room 104
  Telephone (573) 651-5090
- College of Education (Ed)
  Scully Building, room 304
  Telephone (573) 651-2412
- College of Health & Human Services (H&HS)
  Academic Hall, room 104
  Telephone (573) 651-2015
- College of Liberal Arts (Lib Arts)
  Academic Hall, room 104
  Telephone (573) 651-2007
- College of Science & Mathematics (Sci&Math)
  Rhodes Hall, room 102D
  Telephone (573) 651-2173
- School of Polytechnic Studies (Polytech)
  Seabaugh Polytechnic Building, room 301
  Telephone (573) 986-6746
- School of University Studies
  Academic Hall, room 104
  Telephone (573) 986-7328

The requirements for the majors are listed alphabetically under the appropriate degree:

- Bachelor of Arts (BA)
- Bachelor of General Studies (BGS)
- Bachelor of Science (BS)
- Bachelor of Science in Bus Admin (BSBA)
- Bachelor of Science in Education (BSED)
### Majors

东南密苏里州立大学 2003-04

- Bachelor of Family & Consumer Sciences Education (BFCSE)
- Bachelor of Fine Arts (BFA)
- Bachelor of Music Education (BME)
- Bachelor of Music (BM)
- Bachelor of Science in Nursing (BSN)
- Associate degrees (AAS)

**NOTE:** A maximum of 30 semester hours of business courses (AC, AD, BA, BL, FI, MG, MK prefixes) may be taken by nonbusiness majors.

<table>
<thead>
<tr>
<th>Major/Degree</th>
<th>College/Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting/BS</td>
<td>Acc &amp; MIS/Bus</td>
</tr>
<tr>
<td>Administrative Systems Mgr/BSBA</td>
<td>Acc &amp; MIS/Bus</td>
</tr>
<tr>
<td>Advertising</td>
<td>(see Mass Communication)</td>
</tr>
<tr>
<td>Agribusiness</td>
<td>Agriculture/Polytech</td>
</tr>
<tr>
<td>Animal Science</td>
<td>Horticulture</td>
</tr>
<tr>
<td>Agriculture/BS</td>
<td>Agriculture/Polytech</td>
</tr>
<tr>
<td>Agriscience</td>
<td>Plant &amp; Soil Science</td>
</tr>
<tr>
<td>Animal Science</td>
<td>(see Agriculture)</td>
</tr>
<tr>
<td>Anthropology/BA</td>
<td>For Lang &amp; Anthro/Lib Arts</td>
</tr>
<tr>
<td>Applied Computer Science/BS</td>
<td>Computer Sci/Sci &amp; Math</td>
</tr>
<tr>
<td>Interdisciplinary Applications</td>
<td>Information Systems</td>
</tr>
<tr>
<td>Art/BA, BFA, BSED</td>
<td>Art/Lib Arts</td>
</tr>
<tr>
<td>Athletic Training</td>
<td>(See Health Management)</td>
</tr>
<tr>
<td>Biology/BS, BSED</td>
<td>Biology/Sci &amp; Math</td>
</tr>
<tr>
<td>Business Education/BSED</td>
<td>Acc &amp; MIS/Bus</td>
</tr>
<tr>
<td>Chemistry/BA, BS, BSED</td>
<td>Chemistry/Sci &amp; Math</td>
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<tr>
<td>Child Care &amp; Guidance/AAS</td>
<td>Human Envir. Studies/H&amp;HS</td>
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<tr>
<td>Child Development</td>
<td>(see Human Envir. Studies)</td>
</tr>
<tr>
<td>Communication Disorders/BS</td>
<td>Comm Disorders/H&amp;HS</td>
</tr>
<tr>
<td>Computer Science/BS</td>
<td>Computer Sci/Sci &amp; Math</td>
</tr>
<tr>
<td>Computer Systems</td>
<td>Computational Systems</td>
</tr>
<tr>
<td>Computer Systems</td>
<td>Graphical Systems</td>
</tr>
<tr>
<td>Computer Technology/AAS</td>
<td>Industrial Technology/Polytech</td>
</tr>
<tr>
<td>Corporate Communication/BS</td>
<td>Communication/Lib Arts</td>
</tr>
<tr>
<td>Corporate Video</td>
<td>(see Mass Communication)</td>
</tr>
<tr>
<td>Criminal Justice/BS</td>
<td>Grm Justice &amp; Sociology/H&amp;HS</td>
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<tr>
<td>Corrections</td>
<td>Law Enforcement</td>
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<tr>
<td>Security Management</td>
<td>Dietetics</td>
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<tr>
<td>Dietetics</td>
<td>Early Childhood Educ/BSED</td>
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<tr>
<td>Earth Science/BSED</td>
<td>Geosciences/Sci &amp; Math</td>
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<tr>
<td>Economics/BS</td>
<td>Economics/Sci &amp; Math</td>
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<tr>
<td>Economics/BSBA</td>
<td>Economics &amp; Finance/Bus</td>
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<tr>
<td>Business Economics</td>
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<tr>
<td>Business Economics</td>
<td>(see Industrial Technology)</td>
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<tr>
<td>Elementary Education/BSED</td>
<td>Early Elem &amp; Special Educ/Ed</td>
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<tr>
<td>Engineering Physics/BS</td>
<td>Physics &amp; Engr Physics/Sci &amp; Math</td>
</tr>
<tr>
<td>Applied Physics &amp; Engineering</td>
<td>Computer Applications in Physics &amp; Engineering</td>
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<tr>
<td>English/BA, BSED</td>
<td>English/Lib Arts</td>
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<tr>
<td>Literature</td>
<td>Writing</td>
</tr>
<tr>
<td>Environmental Science/BS</td>
<td>Environmental Sci/Sci &amp; Math</td>
</tr>
<tr>
<td>Exceptional Child Educ/BSED</td>
<td>Erly, Elem &amp; Special Educ/Ed</td>
</tr>
<tr>
<td>Family &amp; Consumer Sciences</td>
<td>Human Envir. Studies/H&amp;HS</td>
</tr>
<tr>
<td>Elementary Education/BSED</td>
<td>Early Elem &amp; Special Educ</td>
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<tr>
<td>Family Counseling</td>
<td>Family Counseling</td>
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<td>Family Life</td>
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<td>Family Life</td>
<td>Family Life</td>
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<tr>
<td>Fashion Merchandising</td>
<td>Fashion Merchandising</td>
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<tr>
<td>Housing &amp; Interior Design</td>
<td>Housing &amp; Interior Design</td>
</tr>
<tr>
<td>Horticulture</td>
<td>Horticulture</td>
</tr>
<tr>
<td>Human Resource Management</td>
<td>Human Resource Management</td>
</tr>
<tr>
<td>Industrial Management</td>
<td>Industrial Management</td>
</tr>
<tr>
<td>Industrial Education/BSED</td>
<td>Industrial Technology/Polytech</td>
</tr>
<tr>
<td>Industrial Technology/BS</td>
<td>Industrial Technology/Polytech</td>
</tr>
<tr>
<td>International Business/BSBA</td>
<td>Harrison College of Business</td>
</tr>
<tr>
<td>International Business/BSBA</td>
<td>(see Mass Communication)</td>
</tr>
<tr>
<td>Management/BSBA</td>
<td>Mgmt &amp; Mktg/Bus</td>
</tr>
<tr>
<td>Human Resource Management</td>
<td>Operations Management</td>
</tr>
<tr>
<td>Organizational Leadership</td>
<td>Organizational Leadership</td>
</tr>
</tbody>
</table>
**Bachelor of Arts Majors**

**BACHELOR OF ARTS DEGREE**

Primarily for students who major in the arts, language, or literature, history and certain social sciences; often selected as a pre-professional degree by those who wish a broad education.

The areas from which majors must be chosen are:
- Anthropology
- Art
- Chemistry
- English
- German
- History
- Mass Communication
- Philosophy

Options:
- Literature
- Writing
- French
- Journalistic Studies
- Media Studies

Music
- Philosophy
- Political Science
- Sociology
- Spanish

Speech Communication:
- Forensic Communication
- Interpersonal & Small Group Communication
- Organizational Communication & Social Influence
- Public Communication

**ANTHROPOLOGY**

36 Hour Major - Minor Required

**Required Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AN 180</td>
<td>Introductory Anthropology: Physical Anthropology &amp; Archaeology (3)</td>
</tr>
<tr>
<td>AN 181</td>
<td>Intro to Cultural Anthropology (3)</td>
</tr>
<tr>
<td>AN 241</td>
<td>Intro Linguistic Anthropology (3)</td>
</tr>
<tr>
<td>AN 311-313</td>
<td>Archaeologic Fieldwork (1-6, 3 hours required)</td>
</tr>
<tr>
<td>AN 331-333</td>
<td>Applied Anthropology (1-6, 3 hours required)</td>
</tr>
</tbody>
</table>

Management Info. Systems/BSBA..........Acct & MIS/Bus
Manufacturing Engineering Tech...(See Industrial Technology)
Marketing/ BSBA...........................Mgmt & Mktg/Bus
Integrated Marketing Communication
Marketing Management
Mass Communication....................Communication/Lib Arts
Advertising/BS
Corporate Video/BS
Journalism/BA
Media Studies/BA
Public Relations/BS
Radio/BS
Mathematics/BS.........................Mathematics/Sci&Math
Pure Mathematics
Applied Mathematics & Statistics
Mathematics/BSE........................Mathematics/Sci&Math
Media Studies..(see Mass Communication)
Middle School Education an..Middle & Secondary Ed/Ed
Music/BA...............................Music/Lib Arts
Music/BM................................Music/Lib Arts
Instrumental Performance
Vocal Performance
Composition
Music Education/BSE....................Music/Lib Arts
Instrumental
Vocal
Nursing/BSN............................Nursing/H&HS
Operations & Information Mgt...(See Management)
Organizational Leadership.(See Management)
Performing Arts/BFA....................Theatre & Dance/Lib Arts
Philosophy/BA.............Pol Sci, Phil & Religion /Lib Arts
Physical Education, PK-12/BSED..Health, Hum Perf & Rec/ H&HS
Physics/BS, BSED...........Physics & Engr Physics/Sci&Mth
Political Science/BA, BS....Pol Sci, Phil & Religion/Lib Arts
Psychology/BS..........................Psychology/Lib Arts
Public Relations...(see Mass Communication)
Radio.....................................see Mass Communication
Recreation/BS......................Health, Hum Perf & Rec/H&HS
Secondary Education...(see specific major)
Social Studies/BSED....................History/Lib Arts
Social Work/BS.........................Social Work/H&HS
Sociology/BA, BS............Crim Justice & Sociology/Lib Arts
Spanish/BA, BSED........or Lang & Anthropology/Lib Arts
Speech Communication/BA........Cmmunication/Lib Arts
Forensic Communication
Interpersonal & Small Group Communication
Organizational Communication & Social Influence
Public Communication
Speech Education/BSED............Communication/Lib Arts
Sports Management/BS......Health, Hum Perf & Rec/H&HS
Sports Medicine..(see Health Management)
Technical Graphics.(see Industrial Technology)
Theatre/BA..............................Theatre & Dance/Lib Arts
Video, Corporate..............(see Mass Communication)
Bachelor of Arts Majors
Southeast Missouri State University 2003-04

Choose 6-9 Hours in Anthropology or Other Courses (As Approved by Advisor)

Additional Requirement:

ART
36-56 Hour Major - Minor Required
(see also Bachelor of Fine Arts degree)

Required Courses:
AR 001 Freshman Core Review (0)
AH 110 Art History Survey I (3)
AH 210 Art History Survey II (3)
AR 100 Drawing I (3)
AR 104 Design Foundations (3)
AR 106 3D Foundations (3)
AR 201 Color Composition (3)
AR 202 Drawing II: Human Figure (3)
AR 325 Painting (3)
AR 332 Sculpture I (3)

Choose 9 Hours Additional Art History Courses (300-500 level)
Choose 1-21 Hour Elective Sequence approved by advisor and two of your other art instructors at your Foundation Review for 36 hour Liberal Arts major. Every year, artwork must be entered in the Juried Student Assessment Exhibition.

CHEMISTRY
30 Hour Major - Minor Required

Required Courses:
CH 185 General Chemistry I (5)
CH 186 General Chemistry II (3)

Choose 2 Hours of Chemistry Electives

Additional Requirements: 13-15 Hours

ENGLISH
36 Hour Major - Minor Required

Required Courses:
Choose 6 Hours From:
EN 201 Writing About Literature (3)
EN 275 Intro to Creative Writing* (3)
EN 376 Advanced Composition (3)

*Required for Writing option

Choose 9 Hours From:
LI 260 English Lit I (3)
LI 261 English Lit II (3)
LI 270 American Lit I (3)
LI 271 American Lit II (3)

Choose 3 Hours From:
LI 311 World Literature I (3)
LI 312 World Literature II (3)

Choose 3 Hours From:
EN 486 Sociolinguistics (3)
UI 500 History of the English Language (3)
UI 501 Principles of Language (3)

Choose One 15 Hour Option:

LITERATURE OPTION
**Bachelor of Arts Majors**

*Southeast Missouri State University 2003-04*

**Choose 3 Hours From:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LI 525</td>
<td>English Drama Before 1800 (3)</td>
</tr>
<tr>
<td>LI 577</td>
<td>Studies in Early English Lit (3)</td>
</tr>
<tr>
<td>UI 432</td>
<td>Shakespeare Hist/Comed &amp; Hum-Cond (3)</td>
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</table>

**Choose 3 Hours From:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>LI 475</td>
<td>Early Twentieth-Century British Literature (3)</td>
</tr>
<tr>
<td>LI 526</td>
<td>English Drama After 1800 (3)</td>
</tr>
<tr>
<td>LI 578</td>
<td>Studies in Later English Lit (3)</td>
</tr>
<tr>
<td>LI 580</td>
<td>British Fiction Since the 18th Century (3)</td>
</tr>
<tr>
<td>UI 341</td>
<td>Victorian Studies (3)</td>
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</table>

**Choose 6 Hours From:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LI 320</td>
<td>African American Writers (3)</td>
</tr>
<tr>
<td>LI 421</td>
<td>Cross-Cultural Amer Voices (3)</td>
</tr>
<tr>
<td>LI 565</td>
<td>Southern Literature (3)</td>
</tr>
<tr>
<td>LI 568</td>
<td>19th Century American Novel (3)</td>
</tr>
<tr>
<td>LI 569</td>
<td>Classic Amer Novel/20th Century (3)</td>
</tr>
<tr>
<td>LI 570</td>
<td>Modern/Contemp American Novel (3)</td>
</tr>
<tr>
<td>LI 571</td>
<td>Contemporary American Poetry (3)</td>
</tr>
<tr>
<td>LI 576</td>
<td>Cyberpunk Fiction (3)</td>
</tr>
</tbody>
</table>

**Choose 3 Hours From:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LI 350</td>
<td>Greek Drama (3)</td>
</tr>
<tr>
<td>LI 510</td>
<td>Literature &amp; the Bible (3)</td>
</tr>
<tr>
<td>LI 552</td>
<td>Modern Drama (3)</td>
</tr>
<tr>
<td>LI 572</td>
<td>The Modern Essay (3)</td>
</tr>
<tr>
<td>LI 574</td>
<td>Australian Literature (3)</td>
</tr>
<tr>
<td>LI 581</td>
<td>World Novelists (3)</td>
</tr>
<tr>
<td>LI 587</td>
<td>Women and Madness (3)</td>
</tr>
<tr>
<td>UI 332</td>
<td>Images of Women in Literature (3)</td>
</tr>
</tbody>
</table>

**WRITING OPTION**

**Choose 3 Hours From:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 300</td>
<td>Professional Written Communication (3)</td>
</tr>
<tr>
<td>EN 376</td>
<td>Advance Composition*</td>
</tr>
<tr>
<td>EN 535</td>
<td>Rhetorical Theory/Written Discourse (3)</td>
</tr>
<tr>
<td>EN 550</td>
<td>Style in Writing (3)</td>
</tr>
<tr>
<td>LI 572</td>
<td>The Modern Essay (3)</td>
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</table>

*Unless taken in the core

**Choose 3 Hours From:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LI 360</td>
<td>Nature Writing</td>
</tr>
<tr>
<td>LI 421</td>
<td>Cross-Cultural Amer Voices (3)</td>
</tr>
<tr>
<td>LI 542</td>
<td>Literature for the Young Adult (3)</td>
</tr>
<tr>
<td>LI 565</td>
<td>Southern Literature (3)</td>
</tr>
<tr>
<td>LI 569</td>
<td>Classic Amer Novel/20th Century (3)</td>
</tr>
<tr>
<td>LI 570</td>
<td>Modern/Contemp American Novel (3)</td>
</tr>
<tr>
<td>LI 571</td>
<td>Contemporary American Poetry (3)</td>
</tr>
<tr>
<td>LI 576</td>
<td>Cyberpunk Fiction (3)</td>
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</table>

**Choose 3 Hours From:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 301</td>
<td>Writing for Science &amp; Technology (3)</td>
</tr>
<tr>
<td>EN 311</td>
<td>Literary Manuscript Editing Practicum (3)</td>
</tr>
<tr>
<td>EN 435</td>
<td>Internship in English (3)</td>
</tr>
<tr>
<td>LI 301</td>
<td>Small Press Publishing (3)</td>
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</table>

**Choose 3 Hours From:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EN 470</td>
<td>Advanced Creative Writing: Poetry (3)</td>
</tr>
<tr>
<td>EN 478</td>
<td>Advanced Creative Writing: Fiction (3)</td>
</tr>
<tr>
<td>EN 515</td>
<td>Writing the Teleplay (3)</td>
</tr>
</tbody>
</table>

**Choose 3 additional hours writing course not taken above**

**Additional Requirements:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 001</td>
<td>Portfolio of Student Writing (All Options)</td>
</tr>
<tr>
<td>xx xxx</td>
<td>9 Hours in One or Two Foreign Languages (All Options)</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>xx xxx</td>
<td>6 Hours in One Foreign Language</td>
</tr>
</tbody>
</table>
Bachelor of Arts Majors
Southeast Missouri State University 2003-04

FRENCH
36 Hour Major - Minor Required

Required Courses:
- FR 001 French Exit Exam (0)
- FR 100 French Language & Culture I (3)
- FR 120 French Language & Culture II (3)
- FR 200 French Language & Culture III (3)
- FR 220 French Literature (3)
- FR 306 Contemporary France (3)
- FR 320 French Pronunciation & Phonetics (3)

Choose 6 Hours From:
- FR 310 Survey of French Literature I (3)
- FR 311 Survey of French Literature II (3)
- FR 410 Intro to the French Novel (3)
- FR 415 17th Century French Literature (3)
- FR 420 18th Century French Literature (3)
- FR 425 19th Century French Literature (3)
- FR 430 20th Century French Literature (3)

Choose 6 Hours From:
(Only one course may be selected from each of the areas of composition, conversation, commercial, grammar)
- FR 301 Intermediate French Composition (3)
- FR 305 Intermediate French Conversation (3)
- FR 315 Commercial French (3)
- FR 330 French Grammar (3)

Choose 6 Hours of FR Electives (300-500 level)

AND

One of the following*:
- AN 241 Intro to Linguistic Anthropology (3)
- EN 378 Grammars of English (3)
- EN 486 Sociolinguistics (3)
- UI 500 History of the English Language (3)
- UI 501 Principles of Language (3)

*If not taken elsewhere in the major

FR 301 Intermediate French Composition (3)
FR 405 French Advanced Conversation (3)
FR 530 French Adv Comp & Conversation (3)

GERMAN
36 Hour Major - Minor Required

Required Courses:
- GN 001 German Exit Exam (0)
- GN 100 German Language & Culture I (3)
- GN 120 German Language & Culture II (3)
- GN 200 German Language & Culture III (3)
- GN 220 German Literature (3)
- GN 320 German Culture & Civilization (3)

Choose 6 Hours From:
- GN 310 Survey of German Literature I (3)
- GN 311 Survey of German Literature II (3)
- GN 424 Twentieth-Century German Literature (3)
- GN 440 Special Topics: German (3)

Choose 6 Hours From:
(Only one course may be selected from each of the areas of composition, conversation, commercial, grammar)
- GN 301 Intermediate German Composition (3)
- GN 305 Conversational German (3)
Choose one of the following options:

- xx xxx 6 Hours in Foreign Language
- SO 242 Statistics for Social Scientists (3)
  AND
- SO 345 Methods of Social Research (3)
- MA 134 College Algebra (3)
  AND
- MA 223 Elementary Prob & Stats (3)

**MASS COMMUNICATION**

34 Hour Major - Minor Required

(A grade of ‘C’ or better is required for all courses within the major except MC 486 which is a credit/no credit course.)

**Required Courses:**

- MC 101 Mass Communication and Society (3)
- MC 201 Writing for the Mass Media (3)
- MC 301 Mass Communication Theory & Research (3)
- MC 401 Communication Law (3)
- MC 402 Seminar in Mass Communication (1)
- MC 486 Internship in Mass Communication (3)
  OR
- MC 491-496 Practicum (3)

**Additional Requirements:**

- MA 155 Statistical Reasoning (3)
- UI 382 Hist & Phil of American Mass Media (3)

Choose One 15 Hour Option:

**JOURNALISM**

- MC 320 Reporting (3)
- MC 322 Publication Editing & Production (3)
  OR
- MC 324 Feature Writing (3)
  OR
- MC 426 Sportswriting (3)
- MC 425 Public Affairs Reporting (3)
  OR
- MC 346 Electronic New Gathering (3)
- MC 428 Editorial Page (3)

MEDIA STUDIES
MC 310 Advertising Principles (3)
MC 330 Public Relations Principles (3)
MC 340 Basic Radio (3)
MC 351 Basic Video Production (3)
UI 370 Media Ethics (3)


NOTE: Mass Communication majors are limited to 34 hours in MC prefix courses. Of the 90 hours required outside of the major, 65 hours must be from traditional Arts and Science courses. A grade of 'C' or better is required in MA 155 and UI 382.

MUSIC
50-52 Hour Major - Minor Required
(A grade of 'C' or better is required for all courses within the major.)

Required courses for Instrumental & Vocal Options:

MM 101 Theories of Music in Culture (3)
MM 102 Basic Harmony & Form (3)
MM 105 Aural Skills I (1)
MM 106 Aural Skills II (1)
MM 203 Adv Harmony, Form & Counterpoint (3)
MM 204 Twentieth Century Techniques (3)
MM 207 Aural Skills III (1)
MM 208 Aural Skills IV (1)
MH 251 History & Lit of Music to 1827 (3)
MH 252 Evolution of Musical Style Since 1827 (3)
MP 1XX Applied Music (2)
MP 2XX Applied Music (2)
MP 3XX Applied Music (2)
MU 001 Piano Proficiency (0)
MU 002 Sophomore Review (0)
MU 110 Recitals & Concerts(six semesters) (0)
MU 151 Functional Piano I (1)
MU 152 Functional Piano II (1)
MU 253 Functional Piano III (1)
MU 254 Functional Piano IV (1)
MU 3xx Instrumental or Vocal Ensemble (6)
UI 310 American Music Experience (3)
UI 402 Music in World Cultures (3)

Choose 3 Hours From:
UI 315 Electronics & Computers in Music (3)
UI 392 The Age of Romanticism (3)
UI 393 The Age of Modernism (3)
UI 394 Music & Culture: 1600-1750 (3)
UI 396 The Age of Beethoven (3)
UI 397 Music in Medieval & Renaissance Culture (3)

Additional Required Course for Vocal Option:
MU 114 Singer's Diction (2)

Additional Requirement for all BA Music majors:
xx xxx 6 Hours in ONE Foreign Language

PHILOSOPHY
31 Hour Major - Minor Required

Required Courses:

PL 120 Symbolic Logic I (3)
PL 203 Aesthetics and The Arts (3)
PL 204 Ethical Theory (3)
PL 300 Ancient Philosophy (3)
PL 310 Modern Philosophy (3)
PL 390 Contemporary Philosophy (3)
PL 400 Seminar: Topics in Philosophy (3)
PL 450 Seminar: Meths & Movmts in Philosophy (3)
PL 481 Practicum (1)

Choose 9 Hours of PL or Departmentally Approved UI Courses (At least one course must be 300-400 level)

POLITICAL SCIENCE
30 Hour Major - Minor Required
Bachelor of Arts Majors

Southeast Missouri State University 2003-04

Required Courses:

PS 103 United States Political Systems (3)
OR
PS 104 Comparative Political Systems (3)
PS 240 Intro to Political Science (3)
PS 470 Politics of the Developed World (3)

Choose 21 Hours From the Following Categories:
(3 Hours from Each Category plus 6 Additional Hours)

American Government & Politics

PS 230 American Public Policy (3)
PS 310 Govt & Politics in American States (3)
PS 330 American Presidency (3)
PS 335 American Foreign Policy (3)
PS 360 Political Parties & Voting Behavior (3)
PS 365 Legislative Process (3)
PS 387-389 Independent Study (1-3)
PS 390 American Judicial System (3)
PS 418 Public Policy Analysis (3)
PS 420 Food & Rural Policy in the U.S. (3)
PS 490 Constitutional Law (3)
UI 320 Modern Presidency (3)
UI 4xx Contemp Political/Social Issues (3)

Comparative Governments & Politics

PS 355 Third World Politics (3)
PS 387-389 Independent Study (1-3)
PS 450 Govt & Pol East/Central Europe (3)
PS 460 Govt & Politics West Europe (3)
PS 570 Comparative Government (3)
UI 350 Middle East Politics (3)

International Politics

PS 280 Intro to Global Issues (3)
PS 335 American Foreign Policy (3)
PS 380 International Organizations (3)
PS 387-389 Independent Study (1-3)
PS 580 International Politics (3)

PS 595 International Law (3)
UI 322 International Political Economy (3)
UI 350 Middle East Politics (3)

Public Administration

PI 381-383 Internship in Political Science (1-3)
PS 230 American Public Policy (3)
PS 384-386 Internship in Political Science (3)
PS 387-389 Independent Study (1-3)
PS 402 Fundamentals of Public Admin (3)
PS 403 Public Personnel Admin (3)
PS 415 Government Budgeting Process (3)
PS 418 Public Policy Analysis (3)
PS 420 Food & Rural Policy in the U.S. (3)
PS 425 Administrative Law & Procedure (3)

Political Theory

PS 387-389 Independent Study (1-3)
PS 440 Political Theory (3)
UI 342 Modern Political Thought (3)
UI 357 Early American Political Thought (3)
UI 358 Foundations of Political Thought (3)
UI 361 Contemporary Political Theory (3)
UI 440 The Holocaust (3)

Additional Requirement:

xx xxx 12 Hours in ONE Foreign Language

SOCILOGY

33-36 Hour Major - Minor Required

Required Courses:

AN 181 Intro to Cultural Anthropology (3)
SO 200 Intro to Social Organization (3)
SO 240 Interpretation of Data (3)
OR
SO 242 Statistics for Social Scientists (3)
SO 345 Methods of Social Research (3)
SO 490 Devel of Sociological Theory (3)
Bachelor of Arts Majors
Southeast Missouri State University 2003-04

Choose 15 Hour Approved Elective Sequence
Additional Requirement:

**SPANISH**

36 Hour Major - Minor Required

Required Courses:
- SN 001 Spanish Exit Exam (0)
- SN 100 Spanish Language & Culture I (3)
- SN 120 Spanish Language & Culture II (3)
- SN 200 Spanish Language & Culture III (3)
- SN 220 Hispanic Literature (3)
- SN 300 Spanish American Culture (3)
- SN 306 Civilization of Spain (3)

Choose 3 Hours From:
- SN 430 Spanish American Literature I (3)
- SN 435 Spanish American Literature II (3)

Choose 3 Hours From:
- SN 403 Survey of Spanish Literature I (3)
- SN 404 Survey of Spanish Literature II (3)
- SN 410 Novel of the Golden Age (3)
- SN 425 Contemporary Spanish Literature (3)

Choose 6 Hours From:
(Only one course may be selected from each of the areas of composition, conversation, commercial, grammar)
- SN 301 Intermediate Spanish Composition (3)
- SN 305 Intermediate Spanish Conversation (3)
- SN 316 Commercial Spanish (3)
- SN 330 Spanish Grammar (3)
- SN 335 Crit Rdgs in Hispanic Literature (3)

- SN 530 Adv Spanish Conversation & Composition (3)
- SN 541 Spanish Writing Skills (3)

Choose 6 Hours of SN Electives (300-500 level)

Additional Requirement:
Choose 3 Hours From:

- AN 101 Observing Other Cultures (3)
- AN 181 Intro to Cultural Anthropology (3)
- AN 241 Intro to Linguistic Anthropology (3)
- AN 260 World Cultures (3)
- AN 360 Ancient Civ of Meso-America (3)
- GH 125 Islamic Civilization (3)
- GH 130 Latin American Civilization (3)
- GG 160 American Peoples & Civilization (3)
- UI 375 European Film (3)
- WH 370 Europe in the 20th Century (3)
- WH 424 South Americas (3)
- WH 520 Latin Am Colonial History (3)
- WH 524 Hist of Mexico Since 1810 (3)

**SPEECH COMMUNICATION**

28-30 Hour Major - Minor Required

Required Courses:
- SC 105 Fund of Oral Communication (3)
- SC 155 Fund of Interpers Communication (3)
- SC 305 Theories of Communication (3)
- SC 320 Group Comm & Decision-Making (3)
- UI 345 Nonverbal Communication (3)
- UI 425 Persuasion (3)

Choose One Option:

**FORENSIC COMMUNICATION (10-12 Hours)**

- SC 160 Intercollegiate Debate (2)
- SC/TH 140 Oral Interpretation (3)
- SC 314 Argumentation & Problem Solving (3)
Bachelor of Arts Majors

Southeast Missouri State University 2003-04

Choose 6 Hours From:

SC 161     Intercollegiate Debate (2)
OR
SC 240/TH 140 Oral Interpretation (3)
(if not taken above)
SC 200     Advanced Public Speaking (3)
SC 335     Interviewing (3)
SC 400     Advanced Debate (3)
UI 423     Political Communication (3)
TH 101     Acting for Non-Majors (3)
UI 320     Modern Presidency (3)

PUBLIC COMMUNICATION (11-12 Hours)

SC 200     Advanced Public Speaking (3)
SC 310     Speech Writing (3)

Choose 6 Hours From:

SC 160/161 Intercollegiate Debate (2)
SC/TH 140 Oral Interpretation (3)
SC 314     Argumentation & Problem Solving (3)
SC 505     Seminar/Criticism Amer Pub
Address (3)
UI 320     Modern Presidency (3)
UI 423     Political Communication (3)

INTERPERSONAL AND SMALL GROUP COMMUNICATION (12 Hours)

Choose Any 12 Hours From:

SC 215     Intercultural Communication (3)
SC 335     Interviewing: Prin & Pract (3)
SC 355     Relational Comm Strategies (3)
SC 510     Group Dynamics (3)
SC 365     Communication Between the Sexes (3)
SC 590     Commun/Attitudes: Theory/Research (3)
UI 301     Managerial Communication (3)

ORGANIZATIONAL COMMUNICATION AND SOCIAL INFLUENCE (12 Hours)

SC 560     Organizational Communication (3)
UI 301     Managerial Communication (3)

Choose 6 Hours From:

SC 200     Advanced Public Speaking (3)
SC 310     Speech Writing (3)
SC 335     Interviewing: Prin & Pract (3)
SC 510     Group Dynamics (3)
SC 590     Commun/Attitudes: Theory/Research (3)

THEATRE
45 Hour Major - Minor Required

Required Courses:

TH/DA 105     Rehearsal & Production (1)
TH 115     Acting I (3)
TH 155     Makeup (2)
TH 231     Stagecraft I (3)
TH 251     Costume Construction (3)
TH 285     Script Analysis (3)
TH/DA 305    Rehearsal & Production (3)
TH 385     Directing (3)
TH 490     Theatre History I (3)
TH 495     Theatre History II (3)
UI 384     Musical Theatre: Origins to Present (3)

Choose 3 Hours From:

TH 120     Acting II (3)
TH 265     Drawing for the Theatre (3)

Choose 6 Hours From:

TH 331     Stagecraft II (3)
TH 350     Stage Lighting I (3)
TH 351     Costume Design (3)
TH 361     Scene Painting (3)
TH 371     Scenic Design (3)
TH 375     Theatre Management (3)
TH 395     Period & Style (3)
TH 450     Stage Lighting II (3)
TH 451     Costume Design II (3)
TH 471     Scenic Design II (3)

Choose 6 Hours From:

TH 310     Solo Performance (3)
TH 315     Stage Movement (3)
TH 320     Stage Combat II (3)
TH 325     Auditioning (3)
Bachelor Of Fine Arts Majors

Bachelor of Fine Arts

Bachelor of Fine Arts Degree

See Admission to Bachelor of Fine Arts-Art major criteria under Admissions, page xx.

ART

In addition to the required courses listed, BFA-Art majors complete 12-21 departmentally approved elective hours in one of the following specializations: Painting; Drawing; Printmaking; Sculpture; Ceramics; Fibers; Graphic Design; or Three Dimensional Computer Imaging/Animation.

80 Hour Major - No Minor Required

Required Courses:

- AH 110 Art History Survey I (3)
- AH 210 Art History Survey II (3)
- AR 001 Foundation Core Review (0)
- AR 100 Drawing I (3)
- AR 104 Design Foundations (3)
- AR 106 3D Foundations (3)
- AR 201 Color Composition (3)
- AR 202 Drawing II: Human Figure (3)
- AR 302 Printmaking (3)
- AR 313 New Genre (3)
- AR 314 Drawing III: Adv. Problems (3)
- AR 325 Painting (3)
- AR 330 Fibers I (3)
- AR 332 Sculpture I (3)
- AR 342 Ceramics (3)
- AR 450 Senior Portfolio* (2)

Choose 6 additional hours of Art History courses (300-500 level)

Specialization & Elective Art Courses (30)

Studio majors select 12-15 departmentally approved credit hours in one specialized area. Choose from Ceramics; Drawing; Fibers; Painting; Printmaking; or Sculpture. Students specializing in either Graphic Design or Three Dimensional Computer Imaging/Animation must choose a minimum of 21 departmentally approved elective credit hours.

*For Graphic Design majors only

PERFORMING ARTS

63-65 Hour Major - No Minor Required

(A grade of "C" is required in each course within the BFA-Performing Arts major.)

All students wishing to advance in level will be required to successfully complete an annual jury as arranged by department faculty.

Required Courses:

- DA100 Dance Appreciation (3)
- DA 185 Movement Analysis (3)
- TH/DA 105 Rehearsal & Production (2)
- TH 115 Acting I (3)
- TH 155 Makeup (2)
- TH 230 Performance Studies (3)
- TH 231 Stagecraft I (3)
- TH 251 Costume Construction (3)
- TH 285 Script Analysis (3)
- TH/DA 305 Rehearsal & Production (2)
- TH/DA 498 BFA Project (2)
- TH/DA 499 Internship (4)

Choose One Option:

DANCE (32 Hours)

- DA 110 Ballet I (2)
- DA 120 Contemporary Dance I (2)
- DA 210 Ballet II (2)
- DA 220 Contemporary Dance II (2)
- DA 285 Choreography I (3)
- DA 385 Movement Improvisation (2)
- DA 390 Kines/Physiology of Dance (3)
- DA 485 Choreography II (3)
- DA 490 Dance History (3)
- MM 102 Basic Harmony & Form (3)

Choose 2 Hours From:

- DA 125 Jazz Dance I (2)
- DA 225 Jazz Dance II (2)
Bachelor Of General Studies Degree

Southeast Missouri State University 2003-04

Choose 2 Hours From:
- DA 310 Ballet III (2)
- DA 320 Contemporary Dance III (2)

Choose 3 Hours From:
- DA/PE 219 Theory/Pract of Dance (3)
- ED 255 Children and the Arts (3)

Additional Requirements: 9 Hours
- FN 235 Nutrition for Life (3)
- TH 100 Theatre Appreciation (3)
- UI 433 Aesthetics of Movement (3)

DESIGN & TECHNICAL THEATRE (30 Hours)
- TH 265 Drawing for the Theatre (3)
- TH 350 Stage Lighting I (3)
- TH 351 Costume Design I (3)
- TH 361 Scene Painting (3)
- TH 371 Scenic Design I (3)
- TH 385 Directing I (3)
- TH 395 Period & Style (3)
- TH 490 Theatre History I (3)
- TH 495 Theatre History II (3)

Choose 3 Hours From:
- TH 331 Stagecraft II (3)
- TH 375 Theatre Management (3)
- TH 450 Stage Lighting II (3)
- TH 451 Costume Design II (3)
- TH 471 Scenic Design II (3)

Additional Requirements: 9 Hours
- TH 100 Theatre Appreciation (3)
- TH 140 Oral Interp of Literature (3)
- UI 384 Musical Theatre: Origins to Present (3)

THEATRE PERFORMANCE OPTION (32 Hours)
- TH 120 Acting II (3)
- TH 215 Voice for Actors (3)
- TH 220 Stage Combat I (3)
- TH 330 Acting III (3)
- TH 385 Directing I (3)

TH 490 Theatre History I (3)
TH 495 Theatre History II (3)

Choose 3 Hours From:
- TH 310 Solo Performance (3)
- TH 315 Stage Movement (3)
- TH 320 Stage Combat II (3)
- TH 325 Auditioning (3)

Choose 3 Hours From:
- TH 475 Ensemble Theatre (3)
- TH 485 Directing II (3)

Choose 5 Hours From Dance and Music Activity courses - see advisor for list of approved courses

Additional Requirements: 9 Hours
- TH 100 Theatre Appreciation (3)
- TH 140 Oral Interp of Literature (3)
- UI 384 Musical Theatre: Origins to Present (3)

Bachelor Of General Studies Degree

Allows structuring of a degree program without requiring major or minor fields; University Studies requirements must be completed.

Minimum Degree Requirements 124 Hours
University Studies Requirements 48 Hours
300-500 Level Courses Required 30 Hours

Bachelor Of Science Degree

Primarily for students entering various scientific fields. The areas from which majors must be chosen are:

Agribusiness Options:
- Agribusiness
- Animal Science
- Horticulture

Agriculture Options:
- Agriscience
- Plant & Soil Science

Biology
Bachelor Of Science Degree
Southeast Missouri State University 2003-04

Chemistry
Communication Disorders
Computer Science
Options: Computational Systems
Computer Systems
Graphical Systems
Computer Science, Applied
Options: Information Systems
Interdisciplinary Applications Technology
Corporate Communication
Criminal Justice
Options: Corrections
Law Enforcement
Security Management
Economics
Engineering Physics
Options: Applied Physics and Engineering
Computer Applications in Physics & Engineering
Environmental Science
Food Service & Hospitality Management
Geography
Geoscience
Health Management
Options: Athletic Training
Exercise Science
Health Promotion
Historic Preservation
Human Environmental Studies
Options: Child Development
Dietetics
Family Life
Fashion Merchandising
Housing & Interior Design
Industrial Technology
Options: Construction Management & Design
Electronics & Computer Technology
Industrial Management
Technology (AAS transfers)
Technical Graphics
Interdisciplinary Studies
Manufacturing Engineering Technology
Mass Communication
Options: Advertising
Corporate Video
Public Relations
Radio
Mathematics:
Options: Pure Mathematics
Applied Mathematics & Statistics
Medical Technology
Physics
Political Science
Psychology
Recreation
Social Work
Sociology
Sport Management

AGRIBUSINESS
49-60 Hour Major - No Minor Required

Required Courses:

AC 221     Princ of Financial Accounting (3)
AD 101     Intro to Microcomp Appl (3)
AG 245     Agricultural Economics (3)
AG 250     Agribusiness Management (3)
AG 334     Agribusiness Finance (3)
AG 355     Agriculture Seminar (1)
AG 433     Agrucultural & Food Policy (3)
AG 465     Agriculture Internship (3)
OR
AG 466     Agriculture Internship (6)
OR
AG 469     Undergrad Research (3)
AG 470     Agriculture Sales (3)
AO 120     Plant Science (4)
MA 223     Elem Prob & Stats (3)
OR
QM 257     Business Stats (3)

Additional Requirements (8 Hours):

CH 181     Basic Princ of Chemistry (5)
OR
CH 185     General Chemistry I (5)
MA 134     College Algebra (3)

Choose One of the Following Options(17-28 Hours):
AGROBUSINESS
AG 447  Mktg Agric Products (3)
AY 101  Animal Science (5)
EC 225  Princ of Macroecon (3)

Choose 6 Hours Electives (300-400 level)

ANIMAL SCIENCE
AG 447  Mktg Agric Products (3)
AY 101  Animal Science (5)
AY 204  Animal Nutrition (3)

OR
AY 304  Princ of Animal Nutrition (3)
AY 311  Animal Breeding (3)
AY 405  Beef Production (3)
AY 406  Swine Production (3)
EC 225  Princ of Macroecon (3)

HORTICULTURE
AG 290  Economic Entomology (3)
AO 215  Soil Science (3)
AO 323  Plant Pathology (2)
AO 325  Agrichemical Mgt (2)
HO 130  Ornamental Plants I (2)
HO 230  Ornamental Plants II (2)
HO 330  Landscape Planting Design (3)
HO 350  Greenhouse Mgt (4)
HO 430  Landscape & Turf Mgt (4)
MK 301  Princ of Mktg (3)

AGRICULTURE
47-57 Hour Major - No Minor Required

Required Courses:
AG 355  Agriculture Seminar (1)
AG 465  Agriculture Internship (3)

OR
AG 466  Agriculture Internship (6)

OR
AG 469  Undergrad Research (3)
AO 120  Plant Science (4)
AO 215  Soils (3)
AY 101  Animal Science (5)

OR
BI 381  Genetics (3)
BI 190  Life Processes (4)

BI 200  Microbiology (3)
CH 234  Organic & Biol Chem (3)
MA 223  Elem Prob & Stats (3)

Additional Requirements (8-11 Hours):
CH 181  Basic Prin in Chem (5)

OR

CH 185  Gen Chem I (5)

AND

CH 186  Gen Chem II (3)
MA 134  College Algebra (3)

Choose One of the Following Options (18-25 Hours):

PLANT AND SOIL SCIENCE
AG 290  Econ Entomology (3)
AO 322  Weed Science (3)
AO 323  Plant Pathology (2)
AO 325  Agrichem Mgt (2)
AO 420  Crop Physiology (3)
AO 427  Soil Fertility & Plant Nutrtn (3)

Choose 13 Hours From the Following (At Least 4 Hours At 300-500 Level):
AO 230  Princ Grain Crop Prod (3)
AO 321  Cotton & Rice Culture (3)
AO 341  Vegetable Prod (3)
AO 550  Soil Conservation (3)
AO 555  Soil Class & Res Mgt (3)
GO 445  Geo Info Systems (3)
GO 455  Clay Mineralogy (3)
HO 130  Orn Plants I (2)
HO 230  Orn Plants II (2)
HO 231  Plant Propagation (3)
HO 342  Fruit Production (3)
HO 350  Greenhouse Mgt (4)
HO 430  Landscape & Turf Mgt (4)
HO 431  Nursery Prod & Silviculture(4)

AGRICIENCE

The Agricience option is specifically designed for students who have earned accredited Associate of Applied Science degrees in fields related to agricultural science or technology and desire to complete a Bachelor of Science degree in Agriculture. Students will be awarded up to 33 hours for the approved agricultural science and technology transfer courses. To complete
the BS degree, students must complete the University Studies requirements and the Agriculture core courses. In addition, students will select 18 credit hours of 300-500 level electives to build upon the skills gained through the AAS degree. Contact the Department of Agriculture or see http://www4.semo.edu/agriculture/agriscience.htm for further information.

BIOLOGY
40 Hour Major - Minor Required

Required Courses:
- BI 003  Biology Major Field Assessment (0)
- BI 190  Life Processes (4)
- BI 200  General Microbiology (3)
- BI 225  Research Methods in Biology (3)
- BI 381  Genetics (3)
- BI 487  Biology Seminar (1)
- BI 300  Intro to Evolutionary Biology (3)
- BI 4xx or 5xx  Experiential Learning (2)
- BO 200  Plant Biology (3)
- ZO 200  Animal Biology (3)

Choose 12 Hours BI, BO, or ZO courses, any level

Choose One Option:

BIOMEDICAL SCIENCES
- ZO 331  Animal Physiology (3)

Additional Requirements: 30-38 Hours
- CH 185  General Chemistry I (5)
- CH 186  General Chemistry II (3)
- CH 187  Qualitative Analysis (2)
- CH 341-342  Organic Chemistry I (5)
- CH 341-344  Organic Chemistry I & II (10)
- MA 134  College Algebra (3)
- MA 133  Trigonometry (2)
- MA 139  Applied Calculus (3)
- MA 140  Analyt Geom & Calc I (5)
- MA 223  Probability & Statistics (3)

MICROBIOLOGY, CELL AND MOLECULAR BIOLOGY
- BI 345  Lab Methods in Biol Chemistry (3)

Additional Requirements: 24-26 Hours
- CH 351  Biochemistry I (3)
- OR
- MA 134  College Algebra (3)
- MA 139  Applied Calculus (3)
- OR
- MA 140  Analyt Geom & Calc I (5)
- OR
- MA 223  Probability & Statistics (3)

ORGANISMAL, ECOLOGICAL, AND EVOLUTIONARY BIOLOGY
- BI 332  Ecology (3)

Additional Requirements: 14-16 Hours
- CH 185  General Chemistry I (3)
- MA 134  College Algebra (3)
- MA 139  Applied Calculus (3)
- OR
- MA 140  Analyt Geom & Calc I (5)
- OR
- MA 223  Probability & Statistics (3)

CHEMISTRY
38 Hour Major - No Minor Required

Required Courses:
- CH 185  General Chemistry I (5)
- CH 186  General Chemistry II (3)
- CH 187  Qualitative Analysis (2)
- CH 271  Quantitative Analysis (4)
- CH 311  Physical Chemistry I (4)
- CH 312  Physical Chemistry II (3)
- CH 313  Physical Chemistry Laboratory (3)
Bachelor Of Science Degree
Southeast Missouri State University 2003-04

CH 341 Organic Chemistry I (4)
CH 342 Organic Chemistry Lab I (1)
CH 343 Organic Chemistry II (3)
CH 344 Organic Chemistry Laboratory II (2)
CH 498 Professional Presentation in Chem (1)
UI 443 Professional Exp in Chemistry (3)

Additional Requirements: 22 Hours
MA 140 Analytic Geometry & Calculus I (5)
MA 145 Analytic Geometry & Calculus II (4)
MA 240 Analytic Geometry & Calculus III (3)
PH 120/121 Introductory Physics I & II (10)
OR
PH 230/231 General Physics I & II (10)

NOTE: Certification of program by the American Chemical Society may be obtained by taking a minimum of 12 additional hours. Consult an advisor for specific information.

COMMUNICATION DISORDERS
38-39 Hour Major - No Minor Required
(See Admission to Communication Disorders Program criteria under Admissions, page 10)

Required Courses:
CD 211 Anat & Physiology/Speech Mechanism (4)
CD 225 Phonetics (4)
CD 230 Intro to Communication Disorders (4)
CD 340 Normal Speech/Language Development (3)
CD 371 Anat & Physiology/Hearing Mechanism (3)
CD 401-402 Clinical Practicum/Comm Disorders (1-2)
CD 406 Diag/Clin Methods Spch/Lang Pathology (4)
CD 410 Spch Disorders I: Phonol/Artic/Cleft Palate (3)
CD 426 Hearing Disorders: Audiological Assmt (3)
CD 430 Speech Disorders II: Voice & Fluency (3)
CD 442 Lang Disord/Preschl & School-aged Children (3)
CD 510 Multicultural Issues in Comm Disorders (3)

Additional Requirements:
BS 107 Investigations in Biology (3)
EN 140 Rhetoric & Critical Thinking (3)
MA 134 College Algebra
MA xxx Additional Math course (above MA 134)
OR
xx xxx Statistics course
PS 103 U.S. Political Systems (3)
PY 101 Psych Perspect on Human Behavior (3)
SC 105 Fund of Oral Communication (3)
US 105 American History I
OR
US 107 American History II (3)

Choose One of the Following:
CH 180 Chemistry in Our World (3)
CH 181 Basic Principles of Chemistry (5)
CH 185 General Chemistry I (5)
PH 106 Physical Concepts (3)

Choose One of the Following:
CD 110 Language Culture of Deaf (3)
SO 102 Society, Culture & Social Behavior (3)
SW 207 Understanding Culture & Soc Diversity (3)

NOTE: State and national certification in speech-language pathology (American Speech-Language-Hearing Association and Missouri Department of Elementary and Secondary Education) requires that applicants complete a core of courses in the humanities, professional education, biological/physical sciences, mathematics, behavioral and social sciences. Students should work closely with a departmental advisor in selecting appropriate University Studies and professional education courses which meet these certification requirements.

APPLIED COMPUTER SCIENCE
Bachelor Of Science Degree
Southeast Missouri State University 2003-04

56-83 Hour Major - No Minor Required*

Required Courses:

Choose One of the Following Options:

INTERDISCIPLINARY APPLICATIONS (9)

Choose 3 Hours From:
- CS or IS Courses (300-400 level)
- related 300 or 400 level courses in second major with department approval

INFORMATION SYSTEMS (24 Hours)

Choose 6 Hours From:

AC 330   Accounting Information Systems (3)
AC 331   Cost/Managerial Accounting (3)
AC 339   Managerial Accounting (3)
FI 361   Financial Management (3)
MG 358   Production/Operations Mgt (3)
MK 301   Principles of Marketing (3)

Choose 3 Hours From:
- CS or IS Courses (300-400 level)

TECHNOLOGY (36 Hours)

Choose One 6 Elective Sequence:

Sequence A
- EP 342   Electronic Circuits I (3)
- EP 352   Electronic Circuits II (3)

Sequence B
- ET 462   Networking I (3)
- ET 464   Telecommunications & Ntwkg II (3)

Sequence C
- ET 368   Advanced Digital Principles (3)
- ET 465   Computer Peripherals (3)

COMPUTER SCIENCE
66-87 Hour Major - No Minor Required
**Bachelor Of Science Degree**

*Southeast Missouri State University 2003-04*

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### Required Courses:

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<th>Title</th>
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<tr>
<td>CS 003</td>
<td>Computer Science Assessment</td>
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<td>CS 120</td>
<td>Intro to Computer Science</td>
<td>3</td>
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<tr>
<td>IS 130</td>
<td>Visual Basic Programming I</td>
<td>3</td>
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<td>CS 155</td>
<td>Computer Science I</td>
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<td>CS 265</td>
<td>Computer Science II</td>
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<td>CS 300</td>
<td>Computer Science III</td>
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<tr>
<td>CS 315</td>
<td>C &amp; the Unix Environment</td>
<td>3</td>
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<tr>
<td>CS 345</td>
<td>Foundations of Computer Science</td>
<td>3</td>
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<td>CS 350</td>
<td>Data Structures &amp; Algorithms</td>
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<td>CS 380</td>
<td>Operating Systems</td>
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<td>CS 445</td>
<td>Appl Syst Analysis &amp; Design</td>
<td>3</td>
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<td>CS 450</td>
<td>Software Engineering</td>
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<td>MA 138</td>
<td>Discrete Mathematics I</td>
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<td>MA 140</td>
<td>Analytic Geometry &amp; Calculus I</td>
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<td>MA 145</td>
<td>Analytic Geometry &amp; Calculus II</td>
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<td>MA 345</td>
<td>Linear Algebra</td>
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**Choose One of the Following Options:**

**COMPUTATIONAL SYSTEMS (26)**

**Required Courses:**

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<tr>
<td>CS 365</td>
<td>Computer Org &amp; Assembly Lang</td>
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<td>CS 390</td>
<td>Programming Languages</td>
<td>3</td>
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<tr>
<td>MA 223</td>
<td>Probability &amp; Statistics</td>
<td>3</td>
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<tr>
<td>MA 240</td>
<td>Analytical Geometry &amp; Calc III</td>
<td>3</td>
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<tr>
<td>MA 334</td>
<td>Computer Programming</td>
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<tr>
<td>MA 544</td>
<td>Numerical Analysis</td>
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**Choose 6 Hours From:**

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<th>Title</th>
<th>Credits</th>
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<tr>
<td>MA 350</td>
<td>Differential Equations I</td>
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<tr>
<td>MA 445</td>
<td>Modern Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MA 523</td>
<td>Probability &amp; Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MA 524</td>
<td>Probability &amp; Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>MA 545</td>
<td>Linear Algebra &amp; Matrices</td>
<td>3</td>
</tr>
<tr>
<td>MA 550</td>
<td>Differential Equations II</td>
<td>3</td>
</tr>
</tbody>
</table>

**COMPUTER SYSTEMS (36 Hours)**

**Required Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 365</td>
<td>Computer Org &amp; Assembly Lang</td>
<td>5</td>
</tr>
<tr>
<td>CS 390</td>
<td>Programming Language</td>
<td>3</td>
</tr>
<tr>
<td>EP 305</td>
<td>Digital &amp; Analog System Design</td>
<td>3</td>
</tr>
<tr>
<td>MA 223</td>
<td>Elementary Probability &amp; Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PH 120/121</td>
<td>Introductory Physics I &amp; II</td>
<td>10</td>
</tr>
<tr>
<td>PH 230/231</td>
<td>General Physics I &amp; II</td>
<td>10</td>
</tr>
</tbody>
</table>

**Choose 9 Hours 300-400 level CS courses (except CS 331)**

**Choose 3 Hours Science/Quantitative Course Elective - See Department of Computer Science for approved courses**

**GRAPHICAL SYSTEMS (37 Hours)**

**Required Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 100</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>AR 112</td>
<td>Perspectives in Art</td>
<td>3</td>
</tr>
<tr>
<td>AR 201</td>
<td>Color Composition</td>
<td>3</td>
</tr>
<tr>
<td>AR 202</td>
<td>Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>AR 325</td>
<td>Painting</td>
<td>3</td>
</tr>
<tr>
<td>AR 208</td>
<td>Intro to Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>AR 314</td>
<td>Drawing III</td>
<td>3</td>
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<tr>
<td>AW 8xx</td>
<td>Computer Art</td>
<td>3</td>
</tr>
<tr>
<td>AR 375</td>
<td>Art &amp; New Technology</td>
<td>3</td>
</tr>
<tr>
<td>AR 376</td>
<td>3-D Animation</td>
<td>3</td>
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<tr>
<td>CS 375</td>
<td>Computer Graphics</td>
<td>3</td>
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<tr>
<td>PH 120/121</td>
<td>Introductory Physics I &amp; II</td>
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</tr>
<tr>
<td>PH 230/231</td>
<td>General Physics I &amp; II</td>
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**CORPORATE COMMUNICATION**

**48 Hour Major - Minor Required**

**Required Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MG 301</td>
<td>Management &amp; Organizational Behr</td>
<td>3</td>
</tr>
<tr>
<td>MK 301</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MK 341</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>SC 155</td>
<td>Fund of Interpersonal Comm</td>
<td>3</td>
</tr>
</tbody>
</table>
Bachelor Of Science Degree
Southeast Missouri State University 2003-04

Choose 9 hours from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC 330</td>
<td>Corporate &amp; Professional Comm</td>
<td>3</td>
</tr>
<tr>
<td>SC 335</td>
<td>Interviewing: Princ &amp; Practices</td>
<td>3</td>
</tr>
<tr>
<td>SC 483</td>
<td>Internship in Corporate Comm</td>
<td>3</td>
</tr>
<tr>
<td>SC 560</td>
<td>Organizational Comm</td>
<td>3</td>
</tr>
<tr>
<td>UI 301</td>
<td>Managerial Communication</td>
<td></td>
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</table>

Choose 6 hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>SC 215</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>SC 310</td>
<td>Speech Writing</td>
<td>3</td>
</tr>
<tr>
<td>SC 314</td>
<td>Argumentation &amp; Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>SC 320</td>
<td>Group Comm &amp; Decision-Making</td>
<td>3</td>
</tr>
<tr>
<td>SC 355</td>
<td>Relational Comm Strategies</td>
<td>3</td>
</tr>
<tr>
<td>SC 406</td>
<td>Comm Prin/Negotiation &amp; Conflict Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>SC 510</td>
<td>Group Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>SC 590</td>
<td>Communication &amp; Attitudes</td>
<td>3</td>
</tr>
<tr>
<td>UI 425</td>
<td>Persuasion</td>
<td>3</td>
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</table>

Choose 6 hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MK 342</td>
<td>Professional Selling</td>
<td>3</td>
</tr>
<tr>
<td>MK 343</td>
<td>Advertising &amp; Promotion</td>
<td>3</td>
</tr>
<tr>
<td>MK 344</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MK 349</td>
<td>Retail Management</td>
<td>3</td>
</tr>
<tr>
<td>MK 560</td>
<td>International Marketing</td>
<td>30</td>
</tr>
</tbody>
</table>

Choose 6 hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MG 362</td>
<td>Management Systems I</td>
<td>3</td>
</tr>
<tr>
<td>MG 450</td>
<td>Improving Team Performance</td>
<td>3</td>
</tr>
<tr>
<td>MG 470</td>
<td>Leadership in Management</td>
<td>3</td>
</tr>
<tr>
<td>MG 560</td>
<td>International Management</td>
<td>3</td>
</tr>
</tbody>
</table>

CRIMINAL JUSTICE
33 Hour Major - Minor Required

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 100</td>
<td>Intro to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 110</td>
<td>Intro to Law Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>CJ 125</td>
<td>Intro to Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CJ 220</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CJ 370</td>
<td>Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 425</td>
<td>Planning/Research in Crime Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 526</td>
<td>Statistical Analysis in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SO 240</td>
<td>Interpretation of Data</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SO 242</td>
<td>Statistics for Soc Scientists</td>
<td>3</td>
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</tbody>
</table>

Choose One 12 Hour Option:

CORRECTIONS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 230</td>
<td>Correctional Institutions</td>
<td>3</td>
</tr>
<tr>
<td>CJ 355</td>
<td>Constitutional Rights of Inmates</td>
<td>3</td>
</tr>
<tr>
<td>CJ 365</td>
<td>Community-Based Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CJ 440</td>
<td>Theories/Methods of Offender Rehab</td>
<td>3</td>
</tr>
</tbody>
</table>

LAW ENFORCEMENT

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 310</td>
<td>Advanced Police Administration</td>
<td>3</td>
</tr>
<tr>
<td>CJ 330</td>
<td>Criminal Investigations</td>
<td>3</td>
</tr>
<tr>
<td>CJ 422</td>
<td>Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>CJ xx</td>
<td>CJ Course (300-500 level)</td>
<td>3</td>
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</tbody>
</table>

SECURITY MANAGEMENT

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 325</td>
<td>Intro to Security Systems</td>
<td>3</td>
</tr>
<tr>
<td>CJ 326</td>
<td>Security &amp; Loss Prevention</td>
<td>3</td>
</tr>
<tr>
<td>CJ 327</td>
<td>Security Management</td>
<td>3</td>
</tr>
<tr>
<td>CJ 422</td>
<td>Criminal Procedure</td>
<td>3</td>
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</table>

ECONOMICS
28 Hour Major - Minor Required

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC 215</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>EC 225</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>EC 410</td>
<td>Macroeconomic Theory</td>
<td>3</td>
</tr>
<tr>
<td>EC 420</td>
<td>Microeconomic Theory</td>
<td>3</td>
</tr>
<tr>
<td>EC 498</td>
<td>Senior Seminar</td>
<td>1</td>
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</table>

Any 3 hour college-level statistics course
Choose 12 Hours From:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC xxx</td>
<td>EC course (235-500 level)</td>
<td></td>
</tr>
<tr>
<td>UI 322</td>
<td>International Political Economy</td>
<td>3</td>
</tr>
<tr>
<td>UI 349</td>
<td>Comparative Economic Systems</td>
<td>3</td>
</tr>
</tbody>
</table>
UI 366     Law and Economics (3)  
UI 371     Government and Business (3)  

NOTE: No more than 6 hours of UI courses may be selected.

ENGINEERING PHYSICS  
EAC/ABET Accredited (see http://www.abet.org)  
68-70 Hour Major - No Minor Required  

Required Courses:  
EP 100     Physics & Engineering Concepts (1)  
EP 260     Circuit Analysis I (3)  
EP 342     Electronic Circuits I (3)  
EP 372     Signals and Systems (3)  
EP 461     Computer Applications (3)  
EP 480     Capstone Design I (1)  
EP 481     Capstone Design II (3)  
PH 230     General Physics I (5)  
PH 231     General Physics II (5)  
PH 341     Optics (3)  
PH 345     Experimental Methods I (3)  
OR  
UI 330     Experimental Methods I (3)  
PH 360     Modern Physics (3)  
PH 370     Mechanics (3)  
PH 371     Electromagnetics (3)  
PH 445     Experimental Methods II (3)  

Additional Requirements: 31 Hours  
CH 185     General Chemistry I (5)  
MA 140     Analytic Geometry & Calculus I (5)  
MA 145     Analytic Geometry & Calculus II (4)  
MA 240     Analytic Geometry & Calculus III (3)  
MA 245     Vector Calculus (2)  
MA 334     Computer Programming (3)  
MA 350     Differential Equations (3)  
MA 544     Numerical Analysis (3)  
TG 120     Engineering Graphics (3)  

Choose One of the Following Options (23-25 Hours):  

APPLIED PHYSICS AND ENGINEERING  
EP 265     Circuit Analysis II (3)  
EP 352     Electronic Circuits II (3)  
EP 361     Thermal Analysis (3)  
EP 374     Control Systems (3)  
EP 462     Material Science (3)  
PH 473     Quantum Mechanics (3)  

Choose 5 Hours Approved EP or PH Electives  

COMPUTER APPLICATIONS IN PHYSICS AND ENGINEERING  
CS 155     Computer Science I (5)  
CS 265     Computer Science II (5)  
CS 315     C & the Unix Environment (3)  
OR  
CS 365     Computer Org & Assemb Lang (5)  
EP 305     Digital & Analog Syst Design (3)  
EP 310     Microcomputer Interfacing (3)  

Choose 4 Hours Approved EP or PH Electives  

ENVIRONMENTAL SCIENCE  
96-103 Hour Major - No Minor Required  

Required Courses:  
BI 200     General Microbiology (3)  
BI 332     General Ecology (3)  
BO 200     Plant Biology (3)  
OR  
ZO 200     Animal Biology (3)  
BS 105     Environmental Biology (3)  
CH 185     General Chemistry I (5)  
CH 186     General Chemistry II (3)  
CH 187     Qualitative Analysis (2)  
CH 341     Organic Chemistry I (4)  
CH 342     Organic Chemistry Lab I (1)  
CS 180     Scientific Computing (3)  
EV 201     Environmental Science Seminar I (1)  
EV 401     Environmental Science Seminar II (1)  
EV 454     Risk Assessment Applications (3)  
EV 481-483   Internship (3)  
OR  
EV 491-493   Research (3)  
EV xxx     EV Course (300-500 level) (3)
Choose 6 Hours From:

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>GO 110</td>
</tr>
<tr>
<td>GO 365</td>
</tr>
<tr>
<td>GO 460</td>
</tr>
<tr>
<td>MA 140</td>
</tr>
<tr>
<td>MA 223</td>
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<tr>
<td>PH 120</td>
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<tr>
<td>PH 121</td>
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<tr>
<td>PH 230</td>
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<tr>
<td>PH 231</td>
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<tr>
<td>UI 373</td>
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<tr>
<td>UI 429</td>
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</table>

Choose One Option: BIOLOGY (16 Hours)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BI 190</td>
</tr>
<tr>
<td>BI 225</td>
</tr>
<tr>
<td>BO 200</td>
</tr>
<tr>
<td>ZO 200</td>
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</table>

(whichever was not completed in the core)

Choose 6 Hours From:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BI 381</td>
</tr>
<tr>
<td>BI 420</td>
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<td>BI 430</td>
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<tr>
<td>BI 432</td>
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<td>BI 435</td>
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<td>BI 455</td>
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<td>BI 460</td>
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<td>BI 469</td>
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<td>BI 471-473</td>
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<td>BI 479</td>
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<td>BI 543</td>
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<td>BI 544</td>
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<td>BI 589-591</td>
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<td>BO 361</td>
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<td>BO 445</td>
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</tr>
<tr>
<td>ZO 466</td>
</tr>
<tr>
<td>ZO 469</td>
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<tr>
<td>ZO 478</td>
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</table>

BUSINESS (21 Hours)

<table>
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<tr>
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<tbody>
<tr>
<td>AC 221</td>
</tr>
<tr>
<td>AC 222</td>
</tr>
<tr>
<td>EC 225</td>
</tr>
<tr>
<td>FI 361</td>
</tr>
<tr>
<td>MG 301</td>
</tr>
<tr>
<td>MI 375</td>
</tr>
<tr>
<td>MK 301</td>
</tr>
</tbody>
</table>
Bachelor Of Science Degree
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**CHEMISTRY (15 Hours)**
- CH 271  Quantitative Analysis (4)
- CH 310  Introduction to Physical Chemistry (5)
- UI 443  Prof Experience in Chem (3)

**Choose 3 Hours From:**
- CH 343  Organic Chemistry II (3)
- CH 344  Organic Chemistry Lab II (2)
- CH 350  Environmental Chemistry (3)
- CH 391  Undergraduate Research (1-3)
- CH 545  Organic Preparations & Characterizations (3)
- CH 575  Chemical Instrumentation (4)
- CH 531/UI 331  Biochemistry I (3)

**ENVIRONMENTAL HEALTH (21 Hours)**
- EV 350  Environmental Chemistry (3)
- EV 443  Epidemiology (3)
- EV 453  Occupational Health (3)
- EV 455  Industrial Hygiene (3)
- EV 460  Introduction to Toxicology (3)
- UI 386  Environmental Health (3)
- UI 387  Environmental Law & Public Policy (3)

**NOTE:** One of the EV courses above will satisfy the 3 hours of elective credit in the Environmental Science core course requirements.

**Choose 9 Hours From:**
- BI 543 & 544  Pathogenic Microbiology & Lab (3)
- BS 332  Human Physiology (3)
- EN 301  Writing for Science & Technology (3)
- HL 210  Health & Safety (2)
- HL 320  Community Health (3)

**GEOSCIENCES (15 Hours)**
- GO 225  Rocks & Minerals (3)
- GO 310  Field Methods (1)
- GO 335  Sedimentology & Stratigraphy (4)

**Choose 6 Hours From:**
- GO 305  Environmental Geoscience (3)
- GO 340  Remote Sensing (3)
- GO 345  Mineralogy & Petrology (4)
- GO 350  Field Camp (4)
- GO 360  Structural Geology (3)
- GO 400  Geomorphology (3)
- GO 416  Applied Geophysics (3)
- GO 420  Global Environmental Change (3)
- GO 435  Predictive Stratigraphy (3)
- GO 445  Geographic Information Systems (3)
- GO 465  Low Temperature Geochemistry (3)
- GO 495  Senior Research & Seminar (2)

**INFORMATION SYSTEMS (20-22 Hours)**
- CS 155  Computer Science I (5)
- CS 265  Computer Science II (5)
- CS 315  C & the Unix Environment (3)
- IS 130  Visual Basic (3)
- OR
- IS 266  Visual Basic for Programmers (1)
- IS 275  Information Systems II (3)
- IS 330  Visual Basic II (3)

**SOIL SCIENCE (15 Hours)**
- AO 427  Soil Fertility & Plant Nutrition (3)
- GO 400  Geomorphology (3)
- GO 555  Soil Classification & Resource Management

**Choose 6 Hours From:**
- AO 550  Soil Conservation (3)
- GO 340  Remote Sensing (3)
- GO 445  Geographic Information Systems (3)
- GO 455  Clay Mineralogy (3)

**FOOD SERVICE & HOSPITALITY MANAGEMENT**

*32 Hour Major - Management Minor Required*

**Required Courses:**
- FN 150  Perspect on Foodsvc & Hospitality Mgt (1)
- FN 205  Selection & Preparation of Foods (3)
- FN 235  Nutrition for Health (3)
Bachelor Of Science Degree
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Additional Requirements: 18 Hours
AC 200  Survey of Accounting (3)
AD 101  Intro to Microcomputer Appl (3)
BL 255  Legal Environ of Business (3)
MA 134  College Algebra (3)
MK 301  Principles of Marketing (3)
UI 301  Managerial Communication Process (3)

GEOGRAPHY
33 Hour Major - Minor Required
Required Courses:
GG 140  The Physical Landscape (3)
GG 150  People & Places of the World
GG 160  American People & Civ (3)
OR
GG 170  European People & Civ (3)
GG 180  Cultural Geography (3)
GG 320  Political Geography (3)
UI 307  Economic Geography (3)*
UI 401  American Cultural Landscape
Elective sequence approved by advisor – to include 6 hours upper level GG prefix (12)
*No more than 3 hours of upper level UI coursework the major may count toward University Studies requirements.

GEOSCIENCE
40-50 Hour Major - No Minor Required
Required Geoscience Courses:
GO 110  Physical Geology (3)
GO 225  Rocks & Minerals (3)
GO 310  Field Methods (1)
GO 495  Senior Research & Seminar (2)
UI 373  Earth/Life Thru Time (3)

Required Math & Science Courses:
CH 181  Basic Prin of Chem (5)
OR
CH 185  General Chemistry I (5)
MA 133  Plane Trigonometry (2)
MA 134  College Algebra (3)

Choose One Core Specialization:
Professiona Geologist – 28 Hours
GO 335  Sedimentology/Stratigraphy (4)
GO 345  Mineralogy/Petrology (4)
GO 350  Field Camp (4)
GO 360  Structural Geology (3)
GO xxx  Any 300-500 level GO prefix courses

Environmental Geoscientist - 28 hours
EV 454  Risk Assessment Applications (3)
GO 340  Remote Sensing (3)
GO 365  Environmental Soil Science (4)
GO 400  Geomorphology (3)
GO 445  Geographic Info Systems (3)
GO 460  Environmental Hydrology (3)
GO xxx  Any 300-500 level GO prefix courses

General Earth Science – 18 Hours
GO 220  Meteorology (3)
GO 320  Oceanography (3)
GO 305  Environmental Geoscience (3)
UI 416  Planetary Exploration (3)
GO xxx  Any 300-500 level GO prefix courses

Additional Requirements: 22 Hours* - (including 6 hours of MA prefix courses)
CH 186  General Chemistry II (3)
CH 341  Organic Chemistry I (4)
CH 342  Organic Chemistry Lab I (1)
PH 120  Introductory Physics I (5)
PH 121  Introductory Physics II (5)
PH 230  General Physics I (5)
PH 231  General Physics II (5)
MA 139  Applied Calculus (3)
MA 140  Analyt Geom & Calc I (5)
MA 145  Analyt Geom & Calc II (4)
MA 223  Elem Prob & Stats (3)
MA 240  Analyt Geom & Calc III (3)

*Students choosing the General Earth Science specialization may elect to substitute a minor for the 22 hour elective sequence.

HEALTH MANAGEMENT
61-72 Hour Major - No Minor Required
(See Admission to Health Management: Athletic Training Program criteria under Admissions, page xx.)

Required Courses:
FN 235  Nutrition for Health (3)
HL 110  Intro to Health Management (3)
HL 120  Health Perspectives (3)
HL 231  Fitness Conditioning (3)
HL 312  Contemporary Drug Use (3)
HL 331/031  Exercise Physiology (3)
HL 431  Fitness Assmt & Exercise Prog (4)
HL 460  Exercise Leadership (3)
HL 498  Health Internship (12)

Choose One Option:
ATHLETIC TRAINING (35 Hours)
FN 530  Pathophysiology (3)
HL 251  Intro to Athletic Injuries (3)
HL 263  Sports Injury Management (3)
HL 265  Therapeutic Modalities (4)
HL 280  Basic Skills in Athletic Training (1)
HL 281  Practicum in Athletic Training I (1)
HL 282  Practicum in Athletic Training II (1)
HL 321  Advanced Injury Assessment I (3)
HL 322  Advanced Injury Assessment II (3)
HL 383  Practicum in Athletic Training III (1)
HL 384  Practicum in Athletic Training IV (1)
HL 444  Rehab of Sports Injuries (3)

EXERCISE SCIENCE (24 Hours)
HL 251  Intro to Athletic Injuries (3)
HL 261  Exercise Science Practicum (3)
HL 303  Research Methods (3)
HL 332  Lifestyle Disease Risk Reduction (3)
HL 471  Fitness Facility Admin (3)
PE 464  Kinesiology (3)

Electives - 6 Hours:
FN 200-500  approved by advisor (3)
HL 300-500  approved by advisor (3)

HEALTH PROMOTION (27 Hours)

FN 255  Nutrition I (3)
OR
FN 355  Lifespan Nutrition (3)
HL 250  Health Promotion Practicum (3)
HL 303  Research Methods (3)
HL 332  Lifestyle Disease Risk Reduction (3)
HL 432  Health Promotion Programs (3)
HL 490  Program Planning & Evaluating (3)
MG 301  Management & Organiz Behav (3)
OR
MK 301  Principles of Marketing (3)
MG 355  Supervisory Management (3)
OR
MK 343  Advertising & Promotion (3)
UI 354  Lifestyle Enhancement (3)

Additional Requirements: 12-18 Hours
BS 113/013  Anatomy & Physiology I (3)
BS 114/014  Anatomy & Physiology II (3)
CH 180  Chemistry in Our World (3)
OR
CH 181  Basic Principles of Chemistry (5)
MA 134  College Algebra (3)
PH 106  Physical Concepts (3)*
PY 101  Psych Perspect/Human Behav (3)*
*Required for Athletic Training Option only

HISTORIC PRESERVATION
60 Hour Major – No Minor Required

HISTORIC PRESERVATION REQUIREMENTS

Required Courses:

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<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>GH 315</td>
<td>Historiography</td>
<td>3</td>
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<tr>
<td>HP 007</td>
<td>Professional Portfolio Review</td>
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<tr>
<td>HP 100</td>
<td>Intro to Historic Preservation</td>
<td>3</td>
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<tr>
<td>HP 200</td>
<td>Intro to Techniques of Local History</td>
<td>3</td>
</tr>
<tr>
<td>HP 585</td>
<td>History of American Architecture</td>
<td>3</td>
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<tr>
<td>HP 588</td>
<td>Legal &amp; Econ Prin of Historic Preservation</td>
<td>3</td>
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</table>

Choose 9 Hours From:

(3 Hours Must be a Problems Course)

- HP 405 Archives & Spec Collections Studies (3)
- HP 407 Problems in Archives & Spec Coll Mgt
- HP 410 Museum Studies (3)
- HP 417 Problems in Appl Museum Studies (3)
- HP 420 Historic Site Administration (3)
- HP 425 Problems in Historic Site Admin (3)
- HP 450 Problems in Historic Preservation (3)

Choose 9 Hours From:

- HP 500 Historic Preservation Internship I (3)
- HP 501 Historic Preservation Internship II (6)
- HP 502 Historic Preservation Internship III (9)

INTERDISCIPLINARY PRESERVATION REQUIREMENTS

Choose 6 Hours From:

Any EH, GH, US, or WH 200-500 level course

Choose 3 Hours From:

Any EH, GH, US, or WH 400-500 level course

Choose 9 Hours From:

- AD 101 Intro to Microcomputer Appl (3)
- AM 200 Intro to American Studies (3)
- AR 207 Practical Drawing (3)
- BL 255 Legal Environment of Business (3)
- HI 104 Housing & Interior Design (3)
- UI 351 Public Opinion (3)
- UI 371 Government & Business (3)
- UI 400 Business & Ethics (3)
- UI 425 Persuasion (3)
- TG 100 Intro to Drafting (3)
- TG 126 Computer Assisted Drafting (3)
- TG 274 Photography Fundamentals (3)
- TH 101 Acting for Non-Majors (3)

Choose 6 Hours From:

- AH 511 American Art (3)
- HI 532 History of Furniture II (3)
- UI 302 Westward Movement (3)
- UI 312 Perspectives on the Present (3)
- UI 313 African-American Experience (3)
- UI 337 Issues in 20th Cent Architecture (3)
- UI 338 Rural Sociology (3)
- UI 339 North American Indian (3)
- UI 340 Housing Perspectives (3)
- UI 341 Victorian Studies (3)
- UI 347 Living in a Global Society (3)
- UI 401 American Cultural Landscapes (3)
- UI 414 The American Temper (3)
- UI 417 Images of Britain (3)
- UI 44x Civil Rights Movement (3)

Choose 3 Hours From:

- AN 321 Midwestern Archaeology (3)
- AN 381 North American Archaeology (3)
- AN 540 Cultural Resource Mgt (3)
- AN 550 Historical Archaeology (3)
- HP 552 Historic Preservation Field School (3)
- UI 373 Historical Geology (3)

Additional Requirements: 30 Hours
Bachelor Of Science Degree
Southeast Missouri State University 2003-04

(Courses may also meet University Studies Requirements)

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<td>Environmental Biology</td>
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<td>EC 101</td>
<td>Economic Problems &amp; Policies</td>
<td>3</td>
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<td>PS 103</td>
<td>U.S. Political Systems</td>
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<td>US 105</td>
<td>American History I</td>
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<tr>
<td>US 107</td>
<td>American History II</td>
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Any Logical Systems course

Choose 3 Hours From:

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<td>Perspectives in Art</td>
<td>3</td>
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<tr>
<td>PL 203</td>
<td>Aesthetics &amp; the Arts</td>
<td>3</td>
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Choose 3 Hours From:

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<tr>
<td>AN 100</td>
<td>Found of Human Behavior</td>
<td>3</td>
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<tr>
<td>PL 204</td>
<td>Ethical Theory</td>
<td>3</td>
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<tr>
<td>PY 101</td>
<td>Psych Perspect on Human Behav</td>
<td>3</td>
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<td>PY 151</td>
<td>Social Decision Making</td>
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Choose 3 Hours From:

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<tr>
<td>GG 140</td>
<td>The Physical Landscape</td>
<td>3</td>
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<tr>
<td>GO 150</td>
<td>Earth Science: Environ Hazards</td>
<td>3</td>
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Choose 3 Hours From:

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<th>Title</th>
<th>Hours</th>
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<tr>
<td>GG 180</td>
<td>Cultural Geography</td>
<td>3</td>
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<tr>
<td>PL 245</td>
<td>Social Philosophy</td>
<td>3</td>
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<tr>
<td>SO 102</td>
<td>Society, Culture &amp; Soc Behavior</td>
<td>3</td>
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<tr>
<td>SO 120</td>
<td>Cities &amp; Society</td>
<td>3</td>
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<tr>
<td>SW 207</td>
<td>Understanding Soc/Cul Diversity</td>
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HUMAN ENVIRONMENTAL STUDIES: CHILD DEVELOPMENT OPTION
50 Hour Major - No Minor Required

Required Courses:

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<th>Title</th>
<th>Hours</th>
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<tr>
<td>CF 102</td>
<td>Personal &amp; Family Relationships</td>
<td>2</td>
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<tr>
<td>CF 120</td>
<td>The Child: Devel/Conception to Adolsc</td>
<td>3</td>
</tr>
<tr>
<td>CF 126</td>
<td>Facilitating Devel in Young Children</td>
<td>3</td>
</tr>
<tr>
<td>CF 200</td>
<td>Guiding Alternatives/Young Children</td>
<td>3</td>
</tr>
<tr>
<td>CF 290</td>
<td>Preschool Participation</td>
<td>2</td>
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<tr>
<td>CF 291</td>
<td>Preschool Participation Lab</td>
<td>1</td>
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<tr>
<td>CF 300</td>
<td>Working With Parents</td>
<td>2</td>
</tr>
<tr>
<td>CF 301</td>
<td>Working With Parents Lab</td>
<td>1</td>
</tr>
<tr>
<td>CF 316</td>
<td>Prenat/Infnt Growth &amp; Stimula-</td>
<td>2</td>
</tr>
<tr>
<td>CF 317</td>
<td>Prenat/Infnt Growth &amp; Stimula- Lab</td>
<td>1</td>
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<tr>
<td>CF 403</td>
<td>Child &amp; Family Practicum</td>
<td>3</td>
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<tr>
<td>CF 430</td>
<td>Parnt Child Intractns: Systems Appr</td>
<td>3</td>
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<tr>
<td>CF 450</td>
<td>Teaching Young Children, Ages 3-5</td>
<td>3</td>
</tr>
<tr>
<td>CF 501</td>
<td>Preschool Practicum</td>
<td>3</td>
</tr>
<tr>
<td>CF 512</td>
<td>Utiliz Family/Community Resources</td>
<td>3</td>
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<tr>
<td>EX 390</td>
<td>Psych &amp; Educ of the Exceptional Child</td>
<td>3</td>
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<tr>
<td>FN 425</td>
<td>Hlth/Nutrition/Safety of Young Child</td>
<td>3</td>
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<tr>
<td>CF 312</td>
<td>Organizn &amp; Mgt of Childcare Centers</td>
<td>3</td>
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<tr>
<td>CF 409</td>
<td>School Age Child Care</td>
<td>3</td>
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<td>CF 502</td>
<td>Preschool Children/Comptr Techn</td>
<td>3</td>
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<tr>
<td>CF 506</td>
<td>Theories &amp; Issues in Child Dvlp-mnt</td>
<td>3</td>
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<tr>
<td>CF 509</td>
<td>Child Life Services</td>
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<tr>
<td>CF 530</td>
<td>Research &amp; Issues in Child Dvlp-mnt</td>
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HUMAN ENVIRONMENTAL STUDIES: DIETETICS OPTION
47 Hour Major - No Minor Required

Required Courses:

<table>
<thead>
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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>FN 205</td>
<td>Food Selection &amp; Preparation</td>
<td>3</td>
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<tr>
<td>FN 255</td>
<td>Nutrition I</td>
<td>3</td>
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<tr>
<td>FN 320</td>
<td>Advanced Food Preparation</td>
<td>4</td>
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<tr>
<td>FN 340</td>
<td>Professional Dietetic Seminar</td>
<td>1</td>
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<tr>
<td>FN 355</td>
<td>Lifespan Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>FN 370</td>
<td>Nutrition Assessment</td>
<td>3</td>
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<tr>
<td>FN 406</td>
<td>Hospitality &amp; Institution Admin</td>
<td>3</td>
</tr>
<tr>
<td>FN 416</td>
<td>Quantity Food Production</td>
<td>4</td>
</tr>
<tr>
<td>FN 440</td>
<td>Procurement</td>
<td>3</td>
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</tbody>
</table>
Bachelor Of Science Degree
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Additional Requirements: 53 Hours
(Some courses may fulfill University Studies requirements)

AC 221       Prin of Financial Accounting (3)
AD 101       Intro to Microcomputer Appl (3)
AG 201       World Food & Society (3)
BS 113       Anatomy & Physiology I (3)
BS 114       Anatomy & Physiology II (3)
BS 340       Microorganisms/Human Host (3)
CH 181       Basic Prin of Chemistry (5)
CH 234       Organic & Biol Chemistry (3)
EN 140       Rhetoric & Critical Thinking (3)
FN 502       Nutrition II (3)
FN 503       Medical Nutrition Therapy I (4)
FN 504       Medical Nutrition Therapy II (4)
FN 525       Nutrition Counseling (3)
FN 540       Community Nutrition (3)
HE 520       Tech/Teaching Nutrition & Health Ed (3)

HUMAN ENVIRONMENTAL STUDIES:
FAMILY LIFE OPTION
50 Hour Major - Minor Required

Required Courses:

CF 102       Personal & Family Relationships (2)
CF 120       The Child: Devel/Conception to Adolsc (3)
CF 206       Intro to Gerontology (3)
CF 207       Eldercare Experiences (3)
CF 208       Intimate Environment (3)
CF 300       Working with Parents (2)
CF 301       Working with Parents Lab (1)

CF 402       Marriage Interaction (3)
CF 403       Child & Family Practicum (3)
CF 512       Utiliz Family & Community Resources (3)
CT 518       Social Psych Aspects of Clothing (3)
FE 514       Family Financial Management (3)
FN 235       Nutrition for Health (3)
HI 518       Environ Design/Spec Populations (3)
SC 155       Fund of Interpers Communication (3)
SO 385       Family Violence (3)
UI 317       Human Sexuality (3)
UI 355       Consumer & the Market (3)

HUMAN ENVIRONMENTAL STUDIES:
FASHION MERCHANDISING OPTION
38 Hour Major - Retail Management Minor Required

Required Courses:

CT 110       Intro to Fashion Merchandising (3)
CT 207       Textiles (3)
CT 230       Apparel Analysis (3)
CT 300       Professional Image & Behavior (2)
CT 350       Apparel Aesthetics (3)
CT 410       Internship (6)
CT 415       Fashion Retailing (3)
CT 420       Specialty Markets (3)
CT 450       Issues & Trends in Fash Merch (3)
CT 517       History of Costume (3)
CT 518       Soc Psych Aspects of Clothing (3)
HI 214       Display Design (3)

Additional Requirements: 15 Hours

AD 101       Intro to Microcomp Appl (3)
AR 104       Design Foundations (3)
EC 101       Economic Problems & Policies (3)
MG 301       Management & Organiz Behav (3)
MG 356       Human Resources Management I (3)
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HUMAN ENVIRONMENTAL STUDIES:
HOUSING & INTERIOR DESIGN
OPTION

45 Hour Major - No Minor Required

Required Courses:

Choose 3 Hours From:
- CT 207 Textiles I (3)
- HI 104 Housing & Interior Design I (3)
- HI 220 Lighting & Interior Design (3)
- HI 224 Design Illustration (3)
- HI 230 Residential Interior Design I (3)
- HI 370 Materials & Cost Estimating (3)
- HI 420 Prof Practice/Interior Design (3)
- HI 430 Residential Interior Design II (3)
- HI 440 Contract Interior Design I (3)
- HI 442 Contract Interior Design II (3)
- HI 470 Interior Design Practicum (3)
- HI 530 History of Furniture I (3)
- HI 532 History of Furniture II (3)
- UI 340 Housing Perspectives (3)

Choose One of the Following Courses:
- HI 214 Display Design (3)
- HI 400 Arch Rendering/Interior Design (3)
- HI 411 Internship in Housing & Int Design (3)
- HI 518 Environ Design/Spec Populations (3)

Additional Requirements: 20-21 Hours

Choose One of the Following Courses:
- AR 104 Design Foundations (3)
- MK 301 Principles of Marketing (3)
- TG 100 Intro to Drafting (3)

OR

- TG 120 Engineering Graphics (3)
- TG 126 Computer Assisted Drafting (3)
- TG 320 Architectural Drawing I (3)
- TG 322 Architectural Drawing II (3)

*Construction Management and Design and Industrial Management options must take CH181.

78 Hour Major - No Minor Required

Required Courses:

Choose One Option:
CONSTRUCTION MANAGEMENT & DESIGN (39 Hours)

- CM 310 Construction Contracts & Bldg Codes (3)
- CM 320 Construction Cost Estimating (3)
- CM 330 Construction Planning Scheduling (3)
- CM 342 Construction Technology (3)
- CM 410 Construction Project Administration (3)
- ET 261 Residential Wiring (3)
- IM 317 Internship (6)
- MN 319 Statics & Strength of Materials (3)
- TG 100 Introduction to Drafting (3)
- TG 126 Computer Aided Drafting (3)
- TG 320 Architectural Drafting I (3)
- TG 322 Architectural Drafting II (3)

 INDUSTRIAL TECHNOLOGY

- IM 102 Technical Communication (3)
- IM 211 Industrial Safety Supervision (3)
- IM 311 Statistical Process Control (3)
- IM 419 Industrial Supervision (3)
- MA 133 Plane Trigonometry (2)
- MA 134 College Algebra (3)
- MA 139 Applied Calculus (3)
- MN 260 Tech Computer Programming Appl (3)
- PH 120 Introductory Physics I (5)
- PH 121 Introductory Physics II (5)
- CH 181 Basic Principles of Chemistry (5*)
- UI 319 Technology & Society (3)
- UI 410 Manufac Research/Global Society (3)

*Construction Management and Design and Industrial Management options must take CH181.
ELECTRONICS & COMPUTER TECHNOLOGY (39 Hours)

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<tr>
<td>ET 162</td>
<td>DC/AC Principles &amp; Circuits I</td>
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<tr>
<td>ET 164</td>
<td>DC/AC Principles &amp; Circuits II</td>
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<tr>
<td>ET 194</td>
<td>Intro to PLC’s</td>
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<tr>
<td>ET 260</td>
<td>Electronic Circ Design &amp; Analysis I</td>
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<td>ET 262</td>
<td>Electronic Circ Design &amp; Analysis II</td>
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<td>ET 364</td>
<td>Logic Circuits</td>
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OR

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<td>EP 305</td>
<td>Digital &amp; Analog System Design</td>
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<td>ET 365</td>
<td>Industrial Electrical Power</td>
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<td>ET 366</td>
<td>Microcontrollers</td>
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<td>ET 368</td>
<td>Advanced Digital Principles</td>
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<td>ET 462</td>
<td>Networking I</td>
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<td>ET 464</td>
<td>Telecommunications &amp; Networking II</td>
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<td>ET 465</td>
<td>Computer Peripherals</td>
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<td>ET 468</td>
<td>Industrial Controls</td>
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INDUSTRIAL MANAGEMENT (39 Hours)

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<td>Basic Electricity &amp; Electronics</td>
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<td>ET 194</td>
<td>Intro to PLC’s</td>
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<td>IM 313</td>
<td>Facilities Planning</td>
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<td>IM 315</td>
<td>Work Measurement</td>
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<td>IM 411</td>
<td>Total Quality Assurance</td>
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<td>IM 417</td>
<td>Manufacturing Resource Analysis</td>
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<td>MG 301</td>
<td>Management &amp; Org Behavior</td>
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<td>MN 170</td>
<td>Industrial Materials &amp; Testing</td>
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<td>Industrial Materials &amp; Process I</td>
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<td>QM 352</td>
<td>Quantitative Methods</td>
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<td>TG 120</td>
<td>Computer Aided Eng. Graphics</td>
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TECHNICAL GRAPHICS (39 Hours)

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<td>TG 125</td>
<td>Print Reading for Industry</td>
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<td>TG 170</td>
<td>Intro to Graphics</td>
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<td>TG 220</td>
<td>Solid Modeling &amp; Rapid Prototyping</td>
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<td>TG 272</td>
<td>Electronic Publishing</td>
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<td>TG 320</td>
<td>Architectural Design I</td>
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<td>TG 322</td>
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OR

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<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>TG 274</td>
<td>Photography Fundamentals</td>
</tr>
<tr>
<td>TG 324</td>
<td>Design Modeling &amp; Processes</td>
</tr>
<tr>
<td>TG 326</td>
<td>Industrial Production Drafting</td>
</tr>
<tr>
<td>TG 374</td>
<td>Digital Imaging &amp; Editing</td>
</tr>
<tr>
<td>TG 376</td>
<td>Multimedia &amp; Animation</td>
</tr>
<tr>
<td>TG 422</td>
<td>Multicolor Print Processes</td>
</tr>
<tr>
<td>TG 472</td>
<td>Advanced Graphics Projects</td>
</tr>
</tbody>
</table>

TECHNOLOGY (34 Hours)

The Technology option is specifically designed for students who have earned accredited Associate of Applied Science degrees in technically-oriented programs and desire to complete a Bachelor of Science degree in Industrial Technology. Students will be awarded up to 34 hours for the approved technical transfer courses. To complete the BS degree, students must complete the University Studies requirements and the Industrial Technology core courses. In addition, students will select 18 credit hours of technical electives (at least 15 hours at the senior division level) to build upon the skills gained through the AAS degree. Contact the Department of Industrial and Engineering Technology or see http://www4.semo.edu/iet/technology.htm for further information.

INTERDISCIPLINARY STUDIES

76 Hour Major - No Minor Required

For details about the Interdisciplinary Studies major, students contact the School of University Studies or visit the School of University Studies web page at http://ustudies.semo.edu/content/. Students must complete the contract prior to the junior year. A cumulative GPA of 2.5 is required for graduation.

MANUFACTURING ENGINEERING TECHNOLOGY

87-89 Hour Major - No Minor Required
Math and Science Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 181</td>
<td>Basic Principles of Chemistry (5)</td>
</tr>
<tr>
<td>MA 133</td>
<td>Plane Trigonometry (2)</td>
</tr>
<tr>
<td>MA 134</td>
<td>College Algebra (3)</td>
</tr>
<tr>
<td>MA 139</td>
<td>Applied Calculus (3)</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MA 140</td>
<td>Analytic Geometry &amp; Calculus I (5)</td>
</tr>
<tr>
<td>MA 223</td>
<td>Elementary Probability &amp; Statistics (3)</td>
</tr>
<tr>
<td>MN 260</td>
<td>Techncl Computer Programming Appl (3)</td>
</tr>
<tr>
<td>PH 120</td>
<td>Introductory Physics I (5)</td>
</tr>
<tr>
<td>PH 121</td>
<td>Introductory Physics II (5)</td>
</tr>
</tbody>
</table>

Technical Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET 160</td>
<td>Basic Electricity &amp; Electronics (3)</td>
</tr>
<tr>
<td>ET 194</td>
<td>Intro to PLC’s (3)</td>
</tr>
<tr>
<td>IM 102</td>
<td>Technical Communications (3)</td>
</tr>
<tr>
<td>IM 211</td>
<td>Industrial Safety Supervision (3)</td>
</tr>
<tr>
<td>IM 311</td>
<td>Statistical Process Control (3)</td>
</tr>
<tr>
<td>IM 417</td>
<td>Manufacturing Resource Analysis (3)</td>
</tr>
<tr>
<td>MN 170</td>
<td>Industrial Materials &amp; Testing (3)</td>
</tr>
<tr>
<td>MN 203</td>
<td>Industrial Materials &amp; Processes I (3)</td>
</tr>
<tr>
<td>MN 204</td>
<td>Industrial Materials &amp; Processes II (3)</td>
</tr>
<tr>
<td>MN 220</td>
<td>Engineering Economic Analysis (3)</td>
</tr>
<tr>
<td>MN 319</td>
<td>Statics &amp; Strengths of Materials (3)</td>
</tr>
<tr>
<td>MN 354</td>
<td>Computer Aided Manufacturing (CAM) (3)</td>
</tr>
<tr>
<td>MN 356</td>
<td>Robotics (3)</td>
</tr>
<tr>
<td>MN 383</td>
<td>Fluid Power (3)</td>
</tr>
<tr>
<td>MN 402</td>
<td>Plastics &amp; Processes (3)</td>
</tr>
<tr>
<td>MN 412</td>
<td>Advanced Manufacturing Systems (3)</td>
</tr>
<tr>
<td>MN 416</td>
<td>Manufacturing Seminar (1)</td>
</tr>
<tr>
<td>TG 120</td>
<td>Computer Aided Eng. Graphics (3)</td>
</tr>
<tr>
<td>TG 220</td>
<td>Solid Modeling &amp; Rapid Prototyping (3)</td>
</tr>
<tr>
<td>UI 410</td>
<td>Manufacturing Research (3)</td>
</tr>
</tbody>
</table>

(internship is recommended)

MASS COMMUNICATION

34 Hour Major - Minor to be chosen from list of approved minors.
A grade of ‘C’ or better is required in all courses within the major except MC 486 which is a credit/no credit course.

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC 101</td>
<td>Mass Communication &amp; Society (3)</td>
</tr>
<tr>
<td>MC 201</td>
<td>Writing for the Mass Media (3)</td>
</tr>
<tr>
<td>MC 301</td>
<td>Mass Comm Theory &amp; Resrch (3)</td>
</tr>
<tr>
<td>MC 401</td>
<td>Communication Law (3)</td>
</tr>
<tr>
<td>MC 402</td>
<td>Seminar in Mass Communication (1)</td>
</tr>
<tr>
<td>MC 486</td>
<td>Internship in Mass Communication (3)</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MC 491-496</td>
<td>Practicum (3)</td>
</tr>
</tbody>
</table>

Additional Requirement:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 155</td>
<td>Statistical Reasoning (3)*</td>
</tr>
<tr>
<td>UI 382</td>
<td>Hist &amp; Phil of American Mass Media (3)*</td>
</tr>
</tbody>
</table>

A grade of ‘C’ or better is required in MA 155 and UI 382.

Choose One 15 Hour Option:

ADVERTISING

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC 310</td>
<td>Advertising Principles (3)</td>
</tr>
<tr>
<td>MC 312</td>
<td>Advertising Techniques I (3)</td>
</tr>
<tr>
<td>MC 314</td>
<td>Advertising Tech: Copy Writing (3)</td>
</tr>
<tr>
<td>MC 416</td>
<td>Advertising Media (3)</td>
</tr>
<tr>
<td>MC 418</td>
<td>Advertising Campaigns (3)</td>
</tr>
</tbody>
</table>

Choose a minor in: Art, Communication for Legal Professionals, Foreign Language, Graphic Communication Technology, Psychology, General, Retail Management, Sales Management, Sociology, or Writing.
PUBLIC RELATIONS
MC 322 Publication Editing & Production (3)
MC 330 Public Relations Principles (3)
MC 332 Publicity Techniques (3)
MC 434 Public Relations Case Studies (3)
MC 4xx Public Relations Campaign (3)

Choose a minor in: Art, Communication for Legal Professionals, Foreign Language, Graphic Communication Technology, International Studies, Political Science, Psychology, Sales Management, or Writing.

RADIO
MC 340 Basic Radio (3)
MC 342 Radio Programming Strategies (3)
MC 344 Audio Production & Performance (3)
MC 346 Electronic News Gathering (3)
MC 448 Radio Station Administration (3)


VIDEO PRODUCTION
MC 351 Basic Video Production (3)
MC 352 Video Post Production (3)
MC 458 Advanced Video Production (3)
MC 466 TV Directing (3)
MC 467 Television Systems (3)


NOTE: Mass Communication majors are limited to 34 hours in MC prefix courses. Of the 90 hours required outside of the major, 65 hours must be from traditional Arts and Science courses.

MATHEMATICS
43 Hour Major - No Minor Required

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 138</td>
<td>Discrete Mathematics I (3)</td>
</tr>
<tr>
<td>MA 140</td>
<td>Analytic Geometry &amp; Calculus I (5)</td>
</tr>
<tr>
<td>MA 145</td>
<td>Analytic Geometry &amp; Calculus II (4)</td>
</tr>
<tr>
<td>MA 240</td>
<td>Analytic Geometry &amp; Calculus III (3)</td>
</tr>
<tr>
<td>MA 250</td>
<td>Foundations of Mathematics (3)</td>
</tr>
<tr>
<td>MA 448</td>
<td>Mathematics Seminar (1)</td>
</tr>
</tbody>
</table>

Choose one option:

PURE MATHEMATICS (24 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MA 345</td>
<td>Linear Algebra (3)</td>
</tr>
<tr>
<td>MA 445</td>
<td>Modern Algebra (3)</td>
</tr>
<tr>
<td>MA 523</td>
<td>Probability &amp; Stats I (3)</td>
</tr>
<tr>
<td>MA 546</td>
<td>Advanced Calculus I (3)</td>
</tr>
</tbody>
</table>

Choose 12 Hours MA courses higher than MA 250
One course must be chosen from MA 524, MA 540, MA 544, MA 545, MA 547, MA 550

APPLIED MATHEMATICS & STATISTICS (24 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 223</td>
<td>Elem Probability &amp; Statistics (3)</td>
</tr>
</tbody>
</table>

Choose 3 Hours From:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 445</td>
<td>Modern Algebra (3)</td>
</tr>
<tr>
<td>MA 523</td>
<td>Probability &amp; Stats I (3)</td>
</tr>
<tr>
<td>MA 546</td>
<td>Advanced Calculus I (3)</td>
</tr>
</tbody>
</table>

Choose 15 Hours From (include at least 3 MA courses):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 245</td>
<td>Vector Calculus (2)</td>
</tr>
<tr>
<td>MA 334</td>
<td>Computer Programming (3)</td>
</tr>
<tr>
<td>MA 338</td>
<td>Discrete Math II (3)</td>
</tr>
<tr>
<td>MA 345</td>
<td>Linear Algebra (3)</td>
</tr>
<tr>
<td>MA 350</td>
<td>Differential Equations I (3)</td>
</tr>
<tr>
<td>MA 464</td>
<td>Math Cryptography (3)</td>
</tr>
<tr>
<td>MA 523</td>
<td>Probability &amp; Stats I (3)</td>
</tr>
<tr>
<td>MA 524</td>
<td>Probability &amp; Stats II (3)</td>
</tr>
<tr>
<td>MA 544</td>
<td>Numerical Analysis (3)</td>
</tr>
<tr>
<td>MA 545</td>
<td>Linear Algebra &amp; Matrices (3)</td>
</tr>
<tr>
<td>MA 546</td>
<td>Advanced Calculus I (3)</td>
</tr>
</tbody>
</table>
### Bachelor of Science Degree

Southeast Missouri State University 2003-04

#### Medical Technology

73-77 Hour Major - No Minor Required

**Required Courses:**

- MA 547 Advanced Calculus II (3)
- MA 550 Differential Equations II (3)
- MA 580 Exp Design & Anlys of Variance (3)
- UI 388 Mathematical Modeling (3)
- CH 311 Physical Chemistry I (4)
- CH 312 Physical Chemistry II (3)
- CS 345 Found of Computer Sci (3)
- EP 261 Eng Mech Statics (3)
- EP 262 Eng Mech Dynamics (3)
- EP 361 Thermal Analysis (3)
- EP 372 Signals & Systems (3)
- EP 374 Control Systems (3)
- PH 341 Optics (3)
- PH 370 Mechanics (3)
- PH 371 Electromagnetics (3)
- PH 570 Mathematical Physics (3)

**Choose 3 Hours From:**

- MA 524 Probability & Stats II (3)
- MA 544 Numerical Analysis (3)
- MA 545 Linear Algebra & Matrices (3)
- MA 547 Advanced Calculus II (3)
- MA 550 Differential Equations II (3)

#### MEDICAL TECHNOLOGY

73-77 Hour Major - No Minor Required

**Required Courses:**

- BI 200 General Microbiology (3)
- BI 381 Genetics (3)
- BI 442 Immunology (3)
- BI 543 Pathogenic Microbiology (2)
- NI 544 Pathogenic Microbiology Laboratory (1)
- BS 103 Human Biology (3)
- OR
- BS 108 Biology for Living (3)
- OR
- BI 190 Life Processes (4)
- CH 185 General Chemistry I (5)
- CH 186 General Chemistry II (3)
- CH 187 Qualitative Analysis (2)
- CH 271 Quantitative Analysis (4)
- CH 341 Organic Chemistry I (4)
- CH 342 Organic Chemistry Lab I (1)

**Choose 12 Hours Approved EP or PH Electives**

**Additional Requirements: 25 Hours**

- CH 185 General Chemistry I (5)
- MA 140 Analytic Geometry & Calculus I (5)
- MA 145 Analytic Geometry & Calculus II (4)
- MA 240 Analytic Geometry & Calculus III (3)
- MA 245 Vector Calculus (2)
- MA 334 Computer Programming (3)
- MA 350 Differential Equations (3)
Bachelor Of Science Degree
Southeast Missouri State University 2003-04

POLITICAL SCIENCE
36 Hour Major - Minor Required

Required Courses:
- PS 103 U.S. Political Systems (3)
- OR
- PS 104 Comparative Political Systems (3)
- PS 240 Intro to Political Science (3)
- PS 470 Politics of the Developed World (3)

Choose 21 Hours From the Following Categories:
(Select 3 Hours from Each of the Five Categories, plus 6 Additional Hours From One Category)

American Government & Politics
- PS 230 American Public Policy (3)
- PS 310 Govt & Politics in American States (3)
- PS 330 American Presidency (3)
- PS 335 American Foreign Policy (3)
- PS 360 Political Parties & Voting Behavior (3)
- PS 365 Legislative Process (3)
- PS 387-389 Independent Study (1-3)
- PS 390 American Judicial System (3)
- PS 418 Public Policy Analysis (3)
- PS 420 Food & Rural Policy in the U.S. (3)
- PS 490 Constitutional Law (3)
- UI 320 Modern Presidency (3)
- UI 4xx Contemp Political/Social Issues (3)

Comparative Government & Politics
- PS 355 Third World Politics (3)
- PS 387-389 Independent Study (1-3)
- PS 450 Govt & Pol East/Central Europe (3)
- PS 460 Govt & Politics West Europe (3)
- PS 570 Comparative Government (3)
- UI 350 Middle East Politics (3)

International Politics
- PS 280 Intro to Global Issues (3)
- PS 335 American Foreign Policy (3)
- PS 380 International Organizations (3)
- PS 387-389 Independent Study (1-3)
- PS 580 International Politics (3)
- PS 595 International Law (3)
- UI 322 International Political Economy (3)
- UI 350 Middle East Politics (3)

Public Administration
- PI 381-383 Internship in Political Science (1-3)
- PS 230 American Public Policy (3)
- PS 384-386 Internship in Political Science (3)
- PS 387-389 Independent Study (1-3)
- PS 402 Fund of Public Administration (3)
- PS 403 Public Personnel Administration (3)
- PS 415 Government Budgeting Process (3)
- PS 418 Public Policy Analysis (3)
- PS 420 Food & Rural Policy in the U.S. (3)
- PS 425 Administrative Law & Procedure (3)

Political Theory
- PS 387-389 Independent Study (1-3)
- PS 440 Political Theory (3)
- UI 342 Modern Political Thought (3)
- UI 357 Early American Political Thought (3)
- UI 358 Foundations of Political Thought (3)
- UI 361 Contemporary Political Theory (3)
- UI 440 The Holocaust (3)

Choose 6 Hours PS Electives

Additional Requirements: 8-11 Hours

- AD 101 Intro to Microcomp Appl (3)
- MA xxx 5 Hours MA 133 or above (5)
  (except MA 230, 318, 418)

Choose 3 Hours From:

- MA 223 Elem Probability & Statistics (3)
- PY 271 Research Design & Analysis I (3)
- PY 571 Intro to Behavioral Statistics (3)
### Bachelor Of Science Degree

Southeast Missouri State University 2003-04

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>QM 257</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>SO 242</td>
<td>Statistics for Social Scientists</td>
<td>3</td>
</tr>
</tbody>
</table>

**PSYCHOLOGY**

36 Hour Major - Minor Required

**Required Core Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY 102</td>
<td>Intro to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 271</td>
<td>Research Design &amp; Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>PY 370</td>
<td>Research Design &amp; Analysis II</td>
<td>3</td>
</tr>
<tr>
<td>PY 484</td>
<td>Advanced Research in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 497</td>
<td>Historical Development of Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Extended Core Courses:**

(Choose One Course From Each of the Following Five Areas) (15 hours)

**Basic Processes**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY 362</td>
<td>Learning &amp; Memory</td>
<td>3</td>
</tr>
<tr>
<td>PY 366</td>
<td>Intro to Sensation &amp; Perception</td>
<td>3</td>
</tr>
<tr>
<td>PY 466</td>
<td>Intro to Physiological Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Clinical/Personality**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY 432</td>
<td>Intro to Personality</td>
<td>3</td>
</tr>
<tr>
<td>PY 440</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 441</td>
<td>Intro to Clinical Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 444</td>
<td>Cognition</td>
<td>3</td>
</tr>
<tr>
<td>PY 353</td>
<td>Social Cognition</td>
<td>3</td>
</tr>
<tr>
<td>PY 364</td>
<td>Comparative Cognition</td>
<td>3</td>
</tr>
<tr>
<td>PY 460</td>
<td>Cognitive Processes</td>
<td>3</td>
</tr>
</tbody>
</table>

**Developmental Psychology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY 120</td>
<td>The Child: Devel/Concept to Adolsc</td>
<td>3</td>
</tr>
<tr>
<td>PY 220</td>
<td>Psychological Devel Across Life Span</td>
<td>3</td>
</tr>
<tr>
<td>PY 222</td>
<td>Development of the Adolescent</td>
<td>3</td>
</tr>
<tr>
<td>PY 525</td>
<td>Maturity &amp; Aging</td>
<td>3</td>
</tr>
</tbody>
</table>

**Social/Applied Psychology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY 250</td>
<td>Applied Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 251</td>
<td>Industrial/Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 358</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses:**

(Choose Two Additional Courses From One of the Following Five Areas). PY 495 may be taken only once to satisfy this option requirement (6 hours)

**Basic Processes**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY 362</td>
<td>Learning &amp; Memory</td>
<td>3</td>
</tr>
<tr>
<td>PY 366</td>
<td>Intro to Sensation &amp; Perception</td>
<td>3</td>
</tr>
<tr>
<td>PY 465</td>
<td>Motivation &amp; Emotion</td>
<td>3</td>
</tr>
<tr>
<td>PY 466</td>
<td>Intro to Physiological Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Clinical/Personality**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY 432</td>
<td>Intro to Personality</td>
<td>3</td>
</tr>
<tr>
<td>PY 440</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 441</td>
<td>Intro to Clinical Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 442</td>
<td>Psychotherapy</td>
<td>3</td>
</tr>
<tr>
<td>PY 444</td>
<td>Childhood Psychopathology</td>
<td>3</td>
</tr>
<tr>
<td>PY 495</td>
<td>Internship in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 531</td>
<td>Psychological Testing</td>
<td>3</td>
</tr>
<tr>
<td>PY 543</td>
<td>Clinical Psychopharmacology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Cognition**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY 353</td>
<td>Social Cognition</td>
<td>3</td>
</tr>
<tr>
<td>PY 460</td>
<td>Cognitive Processes</td>
<td>3</td>
</tr>
<tr>
<td>PY 364</td>
<td>Comparative Cognition</td>
<td>3</td>
</tr>
</tbody>
</table>

**Developmental Psychology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY 325</td>
<td>Psychological Devel of the Family</td>
<td>3</td>
</tr>
<tr>
<td>PY 444</td>
<td>Childhood Psychopathology</td>
<td>3</td>
</tr>
<tr>
<td>PY 495</td>
<td>Internship in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 521</td>
<td>Advanced Child Development</td>
<td>3</td>
</tr>
<tr>
<td>PY 525</td>
<td>Maturity &amp; Aging</td>
<td>3</td>
</tr>
<tr>
<td>PY 529</td>
<td>Psychology of Death &amp; Dying</td>
<td>3</td>
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</table>

**Social/Applied Psychology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PY 250</td>
<td>Applied Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 251</td>
<td>Industrial/Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 358</td>
<td>Social Psychology</td>
<td>3</td>
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</tbody>
</table>
**Bachelor Of Science Degree**

*Southeast Missouri State University 2003-04*

### RECREATION

**57 Hour Major - No Minor Required**

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY 359</td>
<td>Psychology &amp; the Law</td>
<td>3</td>
</tr>
<tr>
<td>PY 450</td>
<td>Organizations as Open Systems</td>
<td>3</td>
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<tr>
<td>PY 495</td>
<td>Internship in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 553</td>
<td>Perspectives on Stress</td>
<td>3</td>
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**Choose 12 Hours From:**

<table>
<thead>
<tr>
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<th>Hours</th>
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<tbody>
<tr>
<td>RC 100</td>
<td>Leisure in a Diverse Culture</td>
<td>3</td>
</tr>
<tr>
<td>RC 140</td>
<td>Intro to Recreation Services</td>
<td>3</td>
</tr>
<tr>
<td>RC 220</td>
<td>Leadership and Group Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>RC 260</td>
<td>Intro to Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RC 288</td>
<td>Practicum in Recreation Services</td>
<td>3</td>
</tr>
<tr>
<td>RC 303</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>RC 380</td>
<td>Programming for Recreation Services</td>
<td>3</td>
</tr>
<tr>
<td>RC 385</td>
<td>Rec Facilities Planning &amp; Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>RC 405</td>
<td>Trends &amp; Issues in Rec &amp; Leisure</td>
<td>3</td>
</tr>
<tr>
<td>RC 420</td>
<td>Organization &amp; Admin of Rec Svcs</td>
<td>3</td>
</tr>
<tr>
<td>RC 440</td>
<td>Facilitation of Group Development</td>
<td>3</td>
</tr>
<tr>
<td>RC 497</td>
<td>Recreation Internship</td>
<td>12</td>
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<tr>
<td>RC 112</td>
<td>Music as Therapy</td>
<td>3</td>
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<tr>
<td>RC 116</td>
<td>Special Topics in Health &amp; Leisure</td>
<td>1-3</td>
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<tr>
<td>RC 119</td>
<td>Outdoor Adventure Special Topics</td>
<td>1-3</td>
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<tr>
<td>RC 210</td>
<td>Camp Leadership</td>
<td>3</td>
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<tr>
<td>RC 230</td>
<td>Recreational Sports</td>
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<tr>
<td>RC 245</td>
<td>Mentoring Principles &amp; Practices</td>
<td>3</td>
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<tr>
<td>RC 250</td>
<td>Foundations of Outdoor Recreation</td>
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<td>RC 270</td>
<td>Commercial Recreation</td>
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<tr>
<td>RC 300</td>
<td>Leisure Education</td>
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<tr>
<td>RC 316</td>
<td>Special Topics in Health &amp; Leisure</td>
<td>1-3</td>
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**NOTE:** Therapeutic Recreation is a specific area in which professional certification can be earned. Inquire at the Department of Health, Human Performance and Recreation for specific information to prepare for certification. First Aid/CPR certification is strongly encouraged for all Recreation majors.

### SOCIAL WORK

**54 Hour Major - No Minor Required**

*(See Admission to Social Work Program criteria under Admissions, page xx. A grade of ‘C’ or better is required in all courses within the major including additional requirements.)*

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>SW 110</td>
<td>Intro to Social Work</td>
<td>3</td>
</tr>
<tr>
<td>SW 207</td>
<td>Undrstndg Cultrl &amp; Soc Diversity</td>
<td>3</td>
</tr>
<tr>
<td>SW 2xx</td>
<td>Social &amp; Economic Justice</td>
<td>3</td>
</tr>
<tr>
<td>SW 2xx</td>
<td>Interviewing Skills for Generalist Pract</td>
<td>3</td>
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<tr>
<td>SW/SO/AN242</td>
<td>Statistics for Social Scientists</td>
<td>3</td>
</tr>
<tr>
<td>PY 271</td>
<td>Research Design &amp; Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>SW 307</td>
<td>Human Behav/Social Environment I</td>
<td>3</td>
</tr>
<tr>
<td>SW 308</td>
<td>Human Behav/Social Environment II</td>
<td>3</td>
</tr>
<tr>
<td>SW 310</td>
<td>Social Welfare Policies &amp; Services</td>
<td>3</td>
</tr>
<tr>
<td>SW 321/021</td>
<td>Social Work Practice I</td>
<td>3</td>
</tr>
<tr>
<td>SW 322/022</td>
<td>Social Work Practice II</td>
<td>3</td>
</tr>
<tr>
<td>SW 323</td>
<td>Social Work Practice III</td>
<td>3</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
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<tr>
<td>-------------</td>
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<tr>
<td>SW 342</td>
<td>Meth of Soc Resrch/Soc Work Practc (3)</td>
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<tr>
<td>SW 449</td>
<td>Social Work Integrative Seminar (3)</td>
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<td>SW 450</td>
<td>Practicum in Social Work (6)</td>
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<tr>
<td>SW 451</td>
<td>Practicum in Social Work (6)</td>
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<tr>
<td>HS 551</td>
<td>Case Management (3)</td>
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<tr>
<td>SO 455</td>
<td>Group Dynamics (3)</td>
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<tr>
<td>SW 351</td>
<td>Child Welfare Services (3)</td>
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<tr>
<td>SW 352</td>
<td>Social Welfare Services to the Aged (3)</td>
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<td>SW 355</td>
<td>Special Topics in Social Work (3)</td>
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<tr>
<td>SW 387-389</td>
<td>Independent Study in Social Work (1-3)</td>
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<tr>
<td>SW 550</td>
<td>Management Supervision (2)</td>
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<tr>
<td>SW/BS 103</td>
<td>Human Biology (3)</td>
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<tr>
<td>PY 101</td>
<td>Psych Perspectives/Human Behavior (3)</td>
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<td>SO 102</td>
<td>Society, Culture &amp; Social Behavior (3)</td>
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<td>SO 200</td>
<td>Intro to Social Organization (3)</td>
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<td>SO 242</td>
<td>Statistics for Social Scientists (3)</td>
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<td>SO 345</td>
<td>Methods of Social Research (3)</td>
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<td>SO 490</td>
<td>Development of Sociological Theory (3)</td>
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<td>SO 495</td>
<td>Senior Seminar (3)</td>
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<td>SI 496</td>
<td>Sociology Internship (3-6)</td>
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<tr>
<td>PE 201</td>
<td>Sport &amp; Society (3)</td>
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<td>PE 235</td>
<td>Psychology of Coaching &amp; Human Performance (3)</td>
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<tr>
<td>PE 238</td>
<td>Foundatsm, History, Philosophy of Phys Educ &amp; Mgt (3)</td>
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<tr>
<td>PE 460</td>
<td>Sports Administration I (3)</td>
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<tr>
<td>SM 360</td>
<td>Sport Governance &amp; Event Management (3)</td>
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<tr>
<td>SM 370</td>
<td>Sport Management Practicum (3)</td>
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<td>SM 455</td>
<td>Sport Related Venue Design &amp; Operation (3)</td>
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<td>SM 465</td>
<td>Sport Management Senior Seminar (1)</td>
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<td>SM 470</td>
<td>Sport Management Internship (12)</td>
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<tr>
<td>SM 540</td>
<td>Legal Aspects of Sport &amp; Physical Activity (3)</td>
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<td>SM 570</td>
<td>Mgmt &amp; Leadrship in Sport Orgs (3)</td>
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<tr>
<td>MC 101</td>
<td>Mass Communication &amp; Society (3)</td>
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<td>PL 204</td>
<td>Ethical Theory (3)</td>
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<td>SC 105</td>
<td>Fund of Oral Communication (3)</td>
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<td>SC 155</td>
<td>Fund of Interpersonal Communication (3)</td>
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<tr>
<td>BS 350</td>
<td>Business Economics (3)</td>
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<td>BS 355</td>
<td>Financial Economics (3)</td>
<td></td>
</tr>
<tr>
<td>BS 360</td>
<td>Business Management (3)</td>
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</tr>
</tbody>
</table>

Bachelor of Science in Business Administration Degree

For students planning careers in business. See Admission to Business Administration Programs criteria under Admissions, page 10. The areas from which majors must be chosen are:

- Accounting
- Administrative Systems Management
- Economics
- Options:
  - Business Economics
  - Financial Economics
- Finance
- International Business
- Management
Bachelor of Science in Business Administration Degree

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Options:
- Human Resource Management
- Operations Management
- Organizational Leadership
- Information Systems
- Marketing

Options:
- Integrated Marketing Communications
- Marketing Management
- Organizational Administration

Fifty percent of an individual's business degree program (62 hours) must be comprised of non-business courses. Fifty percent of the business hours counted toward a business degree must be taken at Southeast Missouri State University.

BUSINESS ADMINISTRATION CORE

Business students must be admitted to the College of Business prior to enrolling in upper division (300 level or above) business courses. 33 Hours Required

(A grade of 'C' is required in each core course.)

Required Courses:

- AC 221 Principles of Financial Accounting (3)
- AC 222 Principles of Managerial Accounting (3)
- BA 490 Business Policies & Strategies (3)
- BL 255 Legal Environment of Business (3)
- FI 361 Financial Management (3)
- MG 301 Management & Organiz Behav (3)
- MG 358 Production/Operations Management (3)
- MI 375 Management Information Systems (3)
- MK 301 Principles of Marketing (3)
- QM 352 Quantitative Methods in Business (3)

Choose 3 Hours From:

- AC 540 International Perspectives of Accounting (3)
- BA 560 International Business Study Tour (3)
- EC 580 International Economics (3)
- FI 540 International Finance (3)
- MG 560 International Management (3)
- MK 560 International Marketing (3)

* International Course taken to meet Business Administration Core requirement may not be counted on a major.

Support Courses

29-30 Hours Required
(Some courses may fulfill University Studies requirements. A grade of 'C' or better is required in each support course.)

- AD 101 Intro to Microcomputer Applications (3)*
- EC 215 Principles of Microeconomics (3)
- EC 225 Principles of Macroeconomics (3)
- EN 140 Rhetoric & Critical Thinking (3)
- MA 134 College Algebra (3)
- MA 139 Applied Calculus (3)
- MG 252 Business Communication (3)
- QM 257 Business Statistics (3)
- SC 105 Fundamentals of Oral Communication (3)
- UI 400 Business & Ethics (3)

NOTE: All 100 and 200 level core and support courses are prerequisite to all 300 level business core and business major courses.

ACCOUNTING

27 Hour Major - No Minor Required

Required Courses:

- AC 321 Intermediate Accounting I (3)
- AC 330 Accounting Information Systems (3)
- AC 331 Cost/Managerial Accounting (3)
- AC 332 Intermediate Accounting II (3)
- AC 435 Income Tax Accounting (3)
- AC 437 Auditing (3)

Choose 9 Hours From:

- AC 339 Managerial Accounting (3)
- AC 375 Financial Statement Analysis (3)
- AC 473 Internship in Accounting (3)
- AC 493 Independent Study in Accounting (3)
- AC 531 Strategic/Cost Managerial Accounting (3)
NOTE: Students expecting to sit initially for the CPA examination in November 1999 or later must have 150 hours of college credit (undergraduate or undergraduate and graduate combined) and comply with the requirements of the Missouri State Board of Accountancy. Students completing the B.S. B.A. with an accounting major and a total of 150 under graduate hours should meet the academic requirements to sit for the CPA in Missouri, provided 27 hours have been completed in accounting (AC prefix) beyond AC 221 and AC 222 and including at least one course in auditing. BL 455 may also be considered for inclusion in the 27. Although the State of Missouri does not mandate a graduate degree, Southeast offers an accounting track in the MBA program to assist in preparing for the CPA examination and the accounting profession. It should be noted that other professional certification, e.g., CMA, CFM and CIA do not require 150 college credit hours of their candidates at this time. The curricula in accounting/finance assists students in preparing for these professional certifications.

ADMINISTRATIVE SYSTEMS MANAGEMENT
21 Hour Major - No Minor Required

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 540</td>
<td>International Perspectives in Acctg (3)</td>
</tr>
<tr>
<td>AC 545</td>
<td>Advanced Income Tax Accounting (3)</td>
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<tr>
<td>AC 548</td>
<td>Not-For-Profit Accounting (3)</td>
</tr>
<tr>
<td>BL 455</td>
<td>Contracts (3)</td>
</tr>
<tr>
<td>FI 363</td>
<td>Small Business Finance (3)</td>
</tr>
<tr>
<td>FI 368</td>
<td>Investments (3)</td>
</tr>
<tr>
<td>FI 468</td>
<td>Portfolio Seminar (3)</td>
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<tr>
<td>FI 475</td>
<td>Futures Seminar (3)</td>
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Choose 6 Hours From:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>AC 330</td>
<td>Accounting Information Systems (3)</td>
</tr>
<tr>
<td>AC 323</td>
<td>Admin Information Systems (3)</td>
</tr>
<tr>
<td>AD 337</td>
<td>Admin Systems Mgmt Internship (3)</td>
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<tr>
<td>AD 422</td>
<td>Training in Admin Systems (3)</td>
</tr>
<tr>
<td>IS 130</td>
<td>Visual Basic Programming I (3)</td>
</tr>
<tr>
<td>MG 356</td>
<td>Human Resources Management I (3)</td>
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<tr>
<td>UI 301</td>
<td>Managerial Communication Processes (3)</td>
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ECONOMICS
25 Hour Major - No Minor Required

Choose One Option:

BUSINESS ECONOMICS

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<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>EC 360</td>
<td>Managerial Economics (3)</td>
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<tr>
<td>EC 410</td>
<td>Macroeconomic Theory (3)</td>
</tr>
<tr>
<td>EC 420</td>
<td>Microeconomic Theory (3)</td>
</tr>
<tr>
<td>EC 498</td>
<td>Economics Seminar (1)</td>
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Choose 6 Hours From:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>EC 351</td>
<td>Applied Economic Models (3)</td>
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<tr>
<td>EC 380</td>
<td>Labor Economics (3)</td>
</tr>
<tr>
<td>EC 490</td>
<td>Business &amp; Econ Forecasting (3)</td>
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<tr>
<td>UI 371</td>
<td>Government &amp; Business (3)</td>
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Choose 9 Hours From:

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>EC xxx</td>
<td>EC course, (235-500 level)</td>
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<tr>
<td>UI 349</td>
<td>Comparative Economic Systems (3)</td>
</tr>
<tr>
<td>UI 366</td>
<td>Law and Economics (3)</td>
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FINANCIAL ECONOMICS

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<tr>
<td>EC 335</td>
<td>Monetary Economics (3)</td>
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<tr>
<td>EC 410</td>
<td>Macroeconomic Theory (3)</td>
</tr>
<tr>
<td>EC 420</td>
<td>Microeconomic Theory (3)</td>
</tr>
<tr>
<td>FI 364</td>
<td>Modern Financial Institutions (3)</td>
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<tr>
<td>EC 498</td>
<td>Economics Seminar (1)</td>
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Choose 6 Hours From:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>EC 351</td>
<td>Applied Economic Models (3)</td>
</tr>
<tr>
<td>EC 470</td>
<td>Public Sector Economics (3)</td>
</tr>
<tr>
<td>EC 580</td>
<td>International Economics (3)</td>
</tr>
<tr>
<td>FI 368</td>
<td>Investments (3)</td>
</tr>
</tbody>
</table>
Bachelor of Science in Business Administration Degree
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**Choose 6 Hours From:**
- EC xxx  EC course (235-500 level)
- UI 322  International Political Economy (3)
- UI 349  Comparative Economic Systems (3)
- UI 366  Law & Economics (3)
- UI 371  Government & Business (3)

*NOTE:* No more than 6 hours of UI courses may be selected.

**FINANCE**
24 Hour Major - No Minor Required

Required Courses:
- FI 362  Advanced Financial Management (3)
- FI 364  Modern Financial Institutions (3)
- FI 368  Investments (3)
- FI 480  Financial Policy (3)

**Choose 12 Hours From:**
- FI 351  Principles of Insurance (3)
- FI 365  Real Estate Principles & Practices (3)
- FI 540  International Finance (3)
- FI 468  Portfolio Seminar (3)
- FI 473  Internship in Finance (3)
- FI 475  Futures Seminar (3)
- FI 491-493  Independent Study in Finance (1-3)

One of the following courses:
- AC 339  Managerial Accounting (3)
- AC 548  Not-For-Profit Accounting (3)
- AC 375  Financial Statement Analysis (3)
- AC 435  Income Tax Accounting (3)
- EC 335  Money & Banking (3)

**INTERNATIONAL BUSINESS**
18 Hour Major - Required Minor to be selected by any department in the Harrison College of Business (except “Business Administration” minor).

**INTERNATIONAL CORE COURSES:**

**Choose 9 Hours From:**
- AC 540  International Accounting (3)
- BA 458  International Business Internship (3)
- BA 560  International Business (3)
- EC 580  International Economics (3)
- FI 540  International Finance (3)
- MG 560  International Management (3)
- MK 560  International Marketing (3)

**Choose 9-18 Hours From:**

**FOREIGN LANGUAGE/ CULTURAL SUPPORT**

Minor in one area of foreign language (18) OR
For students with demonstrated proficiency in a foreign language, choose 9 hours from:
- AN 383  Cultures of the Third World (3)
- PS 335  American Foreign Policy (3)
- PS 376  Latin American International Relations (3)
- PS 380  International Organizations (3)
- PS 450  Govt & Politics of East & Central Europe (3)
- PS 460  Govt & Politics of Western Europe (3)
- PS 570  Comparative Government (3)
- PS 580  International Politics (3)
- PS 595  International Law (3)

(or other course(s) approved by Director or International Business Programs)

**Additional Requirement:**
Student must complete an international experience (international study, internship, etc.) which is approved by the Director of International Business Programs.

**MANAGEMENT**
21 Hour Major - No Minor Required
(A grade of ‘C’ or better is required in all required courses in the major.)

Required Management Core Courses:
- MG 362  Management Systems I (3)
- MG 462  Management Systems II (3)

**Choose One 15 Hour Option:**
**Bachelor of Science in Business Administration Degree**

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**ORGANIZATIONAL LEADERSHIP**

**Required Courses:**
- MG 457  Issues in Organizational Behavior (3)
- MG 470  Leadership in Management (3)
- MG 550  Improving Team Performance (3)

**Choose 6 Hours MG courses (300-500 level) except MG 300, 301, 352, 355, 358, 375, and MG 560.**

**HUMAN RESOURCE MANAGEMENT**

**Required Courses:**
- MG 356  Human Resource Management I (3)
- MG 446  Human Resource Management II (3)
- MG 457  Issues in Organizational Behavior (3)

**Choose 6 Hours From the Following:**
- MG 456  Topics in Human Resource Mgt (3)
- MG 470  Leadership in Management (3)
- MG 473  Internship in Management (3)
- MG 548  Project Management (3)
- MG 550  Improving Team Performance (3)
- MI 410  Business Database Systems (3)

**OPERATIONS MANAGEMENT**

**Required Courses:**
- MG 478  Global Logistics Management (3)
- MG 451  Materials & Supply Management (3)
- MG 452  Production Resource Management (3)
- MI 410  Business Database Systems (3)

**Choose 3 Hours From:**
- AC 330  Accounting Information Systems (3)
- IM 315  Production Time & Motion Study (3)
- MG 421  Quality Management (3)
- MI 430  Knowledge Based Dec Support Syst (3)

**MANAGEMENT INFORMATION SYSTEMS**

**24 Hour Major – No Minor Required**

**Required Courses:**
- IS 130  Visual Basic Programming I (3)
- IS 235  Introduction to COBOL (3)
- MI 410  Bus Database Systems (3)
- MI 420  Telecommunications Mgmt (3)
- MI 445  Systems Analysis & Design (3)
- MI 464  Systems Implementation & Practice (3)

**Choose 6 Hours From:**
- AC 330  Acctg Info Systems (3)
- AD 339  Network Support Systems (3)
- ET 462  Networking I (3)
- CS 265  Computer Science II (5)
- IS 330  Visual Basic Prqmg II (3)
- MI 430  Knowl-bsd Dec Sprrt Syst for Mgmt (3)
- MI 439  Electronic Commerce (3)
- MI 440  Web Design for Electronic Commerce (3)

**MARKETING**

**24 Hour Major - No Minor Required**

**Required Marketing Core:**
- MK 343  Advertising & Promotion (3)
- MK 344  Consumer Behavior (3)
- MK 345  Intro to Business Research (3)
- MK 449  Marketing Management (3)

**Choose 3 Hours MK Courses (300-500 level) (except MK 301, MK 560)**

**Choose One Option:**

**MARKETING MANAGEMENT**

- MK 346  Distribution Management (3)
- MK 348  Product & Pricing Strategy (3)
- MK 473  Marketing Internship (3)
Bachelor of Science in Education Degree
Southeast Missouri State University 2003-04

INTEGRATED MARKETING COMMUNICATIONS

24 Hour Major - No Minor Required

Required Courses:
- Choose 6 Hours From Business Courses (300-500 Level)
- MK 483 Pract in Strategic Marketing (3)
- MK 341 Public Relations (3)
- MK 342 Professional Selling (3)
- MK 443 Integrated Mktg Comm Pract (3)

ORGANIZATIONAL ADMINISTRATION

Professional Education Requirements: 69 Hours

BLOCK I: 6 Hours
- PY/CF 120 The Child: Devel/Conception to Adolsc (3)
- EL 120 Elementary Field Experience I (2)
- EM 102 Technology & the Teacher's Role (1)

BLOCK II: 15 Hours
- ED 255 Children & the Arts (3)
- EF 200 School & Society (2)
- EL 260 Elementary Field Experience (3)
- EL 261 Theories of Learning & Management (2)
- EL 262 Foundations of Reading Techniques (3)
- EL 263 Foundations of Lang Arts Techniques (2)

BLOCK III: 16 Hours
- EL 350 Elementary Field Experience (3)
- EL 351 Tech of Teaching Elem Science (2)
- EL 352 Tech of Teaching Elem Social Studies (1)
- EL 353 Tech of Teaching Elem Mathematics (2)
- EL 354 Corrective Reading Instruction (3)
- EL 355 Reading Study Strategies & Skills (2)
- EX 390 Psych & Educ of the Except Child (3)

EARLY CHILDHOOD BLOCK: 19 Hours
- CE 340 Parent/School Collaborations (3)
- CE 365 Conncg Assmt & Curric in Early Yrs (2)
- CE 366 Devel Curric in Early Childhd Educ (4)
- CE 368 Early Childhood Field Experience (3)
- CE 370 Lang Dvlpmnt of Young Child (2)
- CF 300 Working with Parents (2)

Bachelor of Science in Education Degree

For students planning to teach in elementary and secondary schools. Five curricula are offered:
- Early Childhood Education (pre-school-grade 3)
- Elementary Education (grades 1-6)
- Exceptional Child Education (grades K-12)
- Middle School Education (grades 5-9)
- Secondary Education (grades 9-12)

All majors in education must meet requirements for admission to Teacher Education as listed on page 13. Regardless of printed program requirements, any changes or additions mandated by the State of Missouri will be come effective on the date cited by the regulations. Students transferring into education programs must complete six semester hours of English Composition with grades of 'C' or better to meet certification requirements.

EARLY CHILDHOOD EDUCATION
## Bachelor of Science in Education Degree

Southeast Missouri State University 2003-04

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF 301</td>
<td>Working with Parents Lab (1)</td>
</tr>
<tr>
<td>PE 308</td>
<td>Perceptual Motor Development (2)</td>
</tr>
</tbody>
</table>

**BLOCK IV: 13 Hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 433</td>
<td>Student Teaching Early Childhood (1st) (6)</td>
</tr>
<tr>
<td>CE 434</td>
<td>Student Teaching Early Childhood (2nd) (6)</td>
</tr>
<tr>
<td>EF 400</td>
<td>Seminar/Educ Issues for Student Teachers (1)</td>
</tr>
</tbody>
</table>

**Special Early Childhood Requirements: 14 Hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS 118</td>
<td>Intro Process Science Elementary Teachers (1)</td>
</tr>
<tr>
<td>CF 200</td>
<td>Guiding Alternatives (3)</td>
</tr>
<tr>
<td>CE 330</td>
<td>Classroom Management (3)</td>
</tr>
<tr>
<td>CF 290</td>
<td>Preschool Participation (2)</td>
</tr>
<tr>
<td>CF 291</td>
<td>Preschool Participation Laboratory (1)</td>
</tr>
<tr>
<td>CF 316</td>
<td>Prenatal &amp; Infant Growth (2)</td>
</tr>
<tr>
<td>CF 317</td>
<td>Prenatal &amp; Infant Growth Laboratory (1)</td>
</tr>
<tr>
<td>FN 425</td>
<td>Health, Safety &amp; Nutrition (3)</td>
</tr>
<tr>
<td>MU 356</td>
<td>Music Skills/Classroom Teacher (1)</td>
</tr>
</tbody>
</table>

**Additional Requirements: 39 Hours**

*Some courses may fulfill University Studies requirements*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX xxx</td>
<td>Any Artistic Expression course (3)</td>
</tr>
<tr>
<td>BS 218</td>
<td>Biological Science: A Process Approach (3)</td>
</tr>
<tr>
<td>EC 101</td>
<td>Economic Problems &amp; Policies (3)</td>
</tr>
<tr>
<td>EC 215</td>
<td>Principles of Microeconomics (3)</td>
</tr>
<tr>
<td>AG 201</td>
<td>World Food &amp; Society (3)</td>
</tr>
<tr>
<td>EL 274</td>
<td>Diversity in American Schools (3)</td>
</tr>
<tr>
<td>EN 100</td>
<td>English Composition (3)</td>
</tr>
<tr>
<td>EN 140</td>
<td>Rhetoric &amp; Critical Thinking (3)</td>
</tr>
<tr>
<td>LI 243</td>
<td>Children's Literature (3)</td>
</tr>
<tr>
<td>MA 118</td>
<td>Mathematics I (3)</td>
</tr>
<tr>
<td>PH 218</td>
<td>Physical Science: A Process Approach (3)</td>
</tr>
<tr>
<td>PS 103</td>
<td>U.S. Political Systems (3)</td>
</tr>
<tr>
<td>SC 105</td>
<td>Fundamentals of Oral Communication (3)</td>
</tr>
<tr>
<td>UI 318</td>
<td>Earth Science: A Process Approach (3)</td>
</tr>
<tr>
<td>US 105</td>
<td>American History I (3)</td>
</tr>
<tr>
<td>US 107</td>
<td>American History II (3)</td>
</tr>
</tbody>
</table>

**ELEMENTARY EDUCATION**

In addition to other requirements, an Area of Concentration must be chosen from:

- Art
- Early Childhood
- Exceptional Child(BD)
- Exceptional Child(CC)
- Exceptional Child(LD)
- Exceptional Child(MH)
- Foreign Languages TESOL
- Language & Literature
- Mathematics
- Music
- Physical Education
- Science
- Social Studies

**Professional Education Requirements: 42-44 Hours**

**BLOCK I: 6 Hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY/CF 120</td>
<td>The Child: Devel/Conception to Adolesc (3)</td>
</tr>
<tr>
<td>EL 120</td>
<td>Elementary Field Experience (2)</td>
</tr>
<tr>
<td>EM 102</td>
<td>Technology &amp; the Teacher’s Role (1)</td>
</tr>
</tbody>
</table>

**BLOCK II: 15 Hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED 255</td>
<td>Children &amp; the Arts (3)</td>
</tr>
<tr>
<td>EF 200</td>
<td>School &amp; Society (2)</td>
</tr>
<tr>
<td>EL 260</td>
<td>Elementary Field Experience (3)</td>
</tr>
<tr>
<td>EL 261</td>
<td>Theories of Learning &amp; Management (2)</td>
</tr>
<tr>
<td>EL 262</td>
<td>Foundations of Reading Techniques (3)</td>
</tr>
<tr>
<td>EL 263</td>
<td>Foundations of Lang Arts Techniques (2)</td>
</tr>
</tbody>
</table>
## Bachelor of Science in Education Degree

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### BLOCK III: 17 Hours
- **EL 350** Elementary Field Experience (3)
- **EL 351** Tech of Teaching Elem Science (2)
- **EL 352** Tech of Teaching Elem Social Studies (1)
- **EL 353** Tech of Teaching Elem Mathematics (2)
- **EL 354** Corrective Reading Instruction (3)
- **EL 355** Reading: Study Strategies & Skills (2)
- **EX 390** Psych & Educ of the Except Child (3)
- **PE 309** Physical Education in the Elem Curric (1)

### BLOCK IV: 13 Hours
- **EF 400** Seminar/Educ Issues for Student Teachers. (1)
- **EL 453** Student Teaching Elementary (1st) (6)
- **EL 454** Student Teaching Elementary (2nd) (6)

### Special Elementary Requirements: 10 Hours
- **BS 118** Intro Process Science Elem Teachers (1)
- **HL 210** Health & Safety (2)
- **MA 318** Math for Elementary Teachers II (3)
- **MA 418** Geometry for Teachers. (3)
- **MU 356** Music Skills/Classroom Teacher (1)

### Additional Requirements: 42 Hours
(These courses may also meet University Studies requirements)
- **XX xxx** Any Artistic Expression course (3)
- **BS 218** Biological Science: A Process Approch (3)
- **EC xxx** Economics course (3)
- **EL 274** Diversity in American Schools (3)
- **EN 100** English Composition (3)
- **EN 140** Rhetoric & Critical Thinking (3)
- **LI 243** Children’s Literature (3)
- **MA 118** Mathematics I (3)

### BLOCK I: 13 Hours
- **PH 218** Physical Science: A Process Approach (3)
- **PS 103** U.S. Political Systems (3)
- **SC 105** Fundamentals of Oral Communication (3)
- **UI 308** Physical/Cultural Landscapes of the World (3)
- **UI 318** Earth Science: A Process Approach (3)
- **US 105** American History I (3)
- **US 107** American History II (3)

### EXCEPTIONAL CHILD EDUCATION

**Professional Education Requirements: 80 Hours**

### BLOCK II: 17 Hours
- **EF 200** School & Society (2)
- **EL 260** Elementary Field Experience (3)
- **EL 261** Theories of Learning & Management (2)
- **EL 262** Foundations of Reading Techniques (3)
- **EL 263** Foundations of Lang Arts Techniques (2)
- **EX 201** Assessment of the Exceptional Child (3)
- **EX 202** Tech of Teaching the Excep Child I (2)
# Bachelor of Science in Education Degree

**Southeast Missouri State University 2003-04**

**BLOCK III: 17 Hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL 308</td>
<td>Diag &amp; Remed of L D in Math</td>
<td>(3)</td>
</tr>
<tr>
<td>EL 350</td>
<td>Elementary Field Experience</td>
<td>(3)</td>
</tr>
<tr>
<td>EL 351</td>
<td>Tech of Teaching Elem Science</td>
<td>(2)</td>
</tr>
<tr>
<td>EL 352</td>
<td>Tech of Teaching Elem Social Studies</td>
<td>(1)</td>
</tr>
<tr>
<td>EL 353</td>
<td>Tech of Teaching Elem Mathematics</td>
<td>(2)</td>
</tr>
<tr>
<td>EL 354</td>
<td>Corrective Reading Instruction</td>
<td>(3)</td>
</tr>
<tr>
<td>EL 355</td>
<td>Reading Study Strategies &amp; Skills</td>
<td>(2)</td>
</tr>
<tr>
<td>PE 309</td>
<td>Physical Education in the Elem Curric</td>
<td>(1)</td>
</tr>
</tbody>
</table>

**BLOCK IIIa: 18 Hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX 302</td>
<td>Language Devel of the Except Child</td>
<td>(2)</td>
</tr>
<tr>
<td>EX 304</td>
<td>Behavior Management</td>
<td>(3)</td>
</tr>
<tr>
<td>EX 305</td>
<td>Teach Strat/Career Dev for MH Adoles</td>
<td>(3)</td>
</tr>
<tr>
<td>EX 307</td>
<td>Parents &amp; the Exception Child</td>
<td>(3)</td>
</tr>
<tr>
<td>EX 309</td>
<td>Except Child Educ Field Experience</td>
<td>(3)</td>
</tr>
<tr>
<td>EX 323</td>
<td>Techniques of Teaching MH</td>
<td>(2)*</td>
</tr>
<tr>
<td>EX 333</td>
<td>Techniques of Teaching LD</td>
<td>(2)*</td>
</tr>
<tr>
<td>EX 343</td>
<td>Techniques of Teaching BD</td>
<td>(2)*</td>
</tr>
<tr>
<td>EX 373</td>
<td>Techniques of Cross Categorical</td>
<td>(3)*</td>
</tr>
</tbody>
</table>

*Majors in Exceptional Child Education will enroll in at least two of these techniques courses.

**BLOCK IV: 15 Hours**

**Choose One of the Following Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX 422</td>
<td>Student Teaching with MH</td>
<td>(6)**</td>
</tr>
<tr>
<td>EX 432</td>
<td>Student Teaching with LD</td>
<td>(6)**</td>
</tr>
<tr>
<td>EX 442</td>
<td>Student Teaching with BD</td>
<td>(6)**</td>
</tr>
<tr>
<td>EX 472</td>
<td>Student Teaching CC</td>
<td>(6)**</td>
</tr>
</tbody>
</table>

**Special Exceptional Child Requirement: 10 Hours**

- Majors in Exceptional Child will student teach in two categorical areas of exceptionality.

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS 118</td>
<td>Intro Process Science Elem Teachers</td>
<td>(1)</td>
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<tr>
<td>ED 255</td>
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<td>(3)</td>
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<td>HL 210</td>
<td>Health &amp; Safety</td>
<td>(2)</td>
</tr>
<tr>
<td>MU 356</td>
<td>Music Skills/Classroom Teacher</td>
<td>(1)</td>
</tr>
<tr>
<td>PY 222</td>
<td>Development of the Adolescent</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Additional Requirements: 39 Hours**

(These courses may also meet University Studies requirements)

<table>
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<tr>
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</thead>
<tbody>
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<td>XX xxx</td>
<td>Any Artistic Expression course</td>
<td>(3)</td>
</tr>
<tr>
<td>BS 218</td>
<td>Biological Science: A Process Approach</td>
<td>(3)</td>
</tr>
<tr>
<td>EC xxx</td>
<td>Economics course</td>
<td>(3)</td>
</tr>
<tr>
<td>EL 274</td>
<td>Diversity in American Schools</td>
<td>(3)</td>
</tr>
<tr>
<td>EN 100</td>
<td>English Composition</td>
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<tr>
<td>MA 118</td>
<td>Mathematics I</td>
<td>(3)</td>
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<tr>
<td>PH 218</td>
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<td>(3)</td>
</tr>
<tr>
<td>PS 103</td>
<td>U.S. Political Systems</td>
<td>(3)</td>
</tr>
<tr>
<td>SC 105</td>
<td>Fundamentals of Oral Communication</td>
<td>(3)</td>
</tr>
<tr>
<td>UI 318</td>
<td>Earth Science: A Process Approach</td>
<td>(3)</td>
</tr>
<tr>
<td>US 105</td>
<td>American History I</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**OR**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>US 107</td>
<td>American History II</td>
<td>(3)</td>
</tr>
</tbody>
</table>
MIDDLE AND SECONDARY EDUCATION
Majors must be chosen from the following:
- Art
- Business Education
- English
- French
- German
- Industrial Education
- Mathematics
- Middle School Education
- Physical Education
- Social Studies
- Spanish
- Speech Education
- Unified Science: Biology
- Unified Science: Chemistry
- Unified Science: Earth Science
- Unified Science: Physics

Certification programs are available in Speech and Language Specialist (K-12), and Teaching English as a Second Language (K-12). Additionally, a Music Education major is available on the Bachelor of Music Education degree and a major in Family and Consumer Sciences Education is available on the Bachelor of Science in Family and Consumer Sciences Education degree.

Professional Education Requirements: 37-43 Hours

**BLOCK I: 5 Hours**
- EM 102 Technology & the Teacher’s Role (1)
- PY 222 Development of the Adolescent (3)
- SE 222 Secondary Block I Field Experience (1)

**BLOCK II: 12-15 Hours**
- EF 200 School & Society (2)
- SE 250 Fundamentals of Middle School Education (3)*
- SE 251 Teaching Reading & Writing in Mid School (3)*
- SE 270 Secondary Block II Field Experience (3)
- SE 271 Theories of Learning & Management (2)

- SE 272 Teaching Reading/Secondary School (2)
- SE 273 Fund of High School Education (3)**

**BLOCK III: 7-10 Hours**
- EX 390 Psychology & Educ of Except Child (3)
- SE xxx Special Subject Techniques Course (3)***
- SE 370 Secondary Block III Field Experience (1)

**BLOCK IV: 13 Hours**
- EF 400 Seminar/Educ Issues for Student Teachers (1)
- SE 463 Student Teaching Secondary (1st) (6)
- SE 464 Student Teaching Secondary (2nd) (6)

Additional Requirements: 33-39 Hours
(Some courses may also meet University Studies requirements)

- BS 107 Investigations in Biology (3)*
  OR
- BS 218 Bio Science: A Process Approach (3)*
- EN 100 English Composition (3)
- EN 140 Rhetoric & Critical Thinking (3)
- LI xxx Literature course (200-500 level) (3)
- MA 118 Mathematics I (3)*
- MA 318 Mathematics II (3)*
- MA 123 Survey of Mathematics (3)
  OR
- MA 134 College Algebra (3)
  OR
- MA 155 Statistical Reasoning (3)
- PL xxx Any Philosophy course (3)
- PS 103 U.S. Political Systems (3)
- SC 105 Fundamentals of Oral Communication (3)
- US 105 OR US 107 American History I or II (3)
- BS xxx, BI xxx, BO xxx, or ZO xxx (3)**
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EC xxx, GG xxx, or SO xxx (3)
Any Physical Systems course (3)
* Middle School Education requirement only.
** Secondary Education requirement only.
*** 6 hours of SE required for Middle School, if the student chooses two areas of concentration or an area of concentration and an area of endorsement, and 3 hours of SE required for Secondary Education.

ART EDUCATION
42-44 Hour Major - No Minor Required
Required Courses:
- AH 110 Art History Survey I (3)
- AH 210 Art History Survey II (3)
- AR 001 Freshman Core Review (0)
- AR 100 Drawing I (3)
- AR 104 Design Foundations (3)
- AR 106 3D Foundations (3)
- AR 202 Drawing II: Human Figure (3)
- AR 201 Color Composition (3)
- AR 270 Art for the Elementary Teacher (3)
- AR 330 Fibers I (3)
- AR 332 Sculpture I (3)
- AR 342 Ceramics I (3)
Choose 3 Hours From:
- AR 320 Watercolor I (3)
- AR 325 Painting (3)
- AR 530 Figure Painting (3)
Choose 3 Hours From:
- AR 302 Printmaking (3)
- AR 303 Screenprinting (3)
- AR 501 Intaglio Printmaking (3)
- AR 502 Litho Printmaking (3)
Choose 3 Hours Art Elective (300-500 level)

BIOLOGY EDUCATION
(Unified Science Certification)
67 Hour Major - No Minor Required
Required Courses:
- BI 003 Biology Major Field Assessment (0)
- BI 190 Life Processes (4)
- BI 200 General Microbiology (3)
- BI 225 Research Methods in Biology (3)
- BI 300 Intro to Evolutionary Biology (3)
- BI 332 General Ecology (3)
- BI 487 Biology Seminar (1)
- BI/BO/ZO 3xx or higher (3)
- BO 200 Plant Biology (3)
- BS 113 Anatomy & Physiology I (3)
- BS 114 Anatomy & Physiology II (3)
- CH 185 General Chemistry I (5)
- CH 186 General Chemistry II (3)
- MA 133 Plane Trigonometry (2)
- MA 134 College Algebra (3)
- GO 110 Physical Geology (3)
- GO 220 Meteorology (3)
- GO 320 Oceanography (3)
- PH 120 Intro Physics I (5)
- PH 121 Intro Physics II (5)
- ZO 200 Animal Biology (3)
- UI 422 Philosophy of Science (3)

BUSINESS EDUCATION
45-48 Hour Major - No Minor Required
Required Courses:
- AC 221 Princ of Financial Accounting (3)
- AC 222 Princ of Managerial Accounting (3)
- AD 101 Intro to Microcomputer Appl (3)
- AD 222 Microcomputer Appl for Business (3)
- AD 323 Admin Information Systems (3)
- AD 331 Advanced Word Processing (3)
- AD 339 Network Support Systems (3)
- AD 341 Information Systems Procedures (3)
OR
- AD 353 Admin Systems Management (3)
- BL 255 Legal Environment of Business (3)
- IS 130 Visual Basic Programming I (3)
- MG 252 Business Communication (3)
- MG 301 Management & Organiz Behav (3)
- MK 301 Principles of Marketing (3)
Choose 6-9 Hours From:
AD 224     Transcription Skills (3)
AD 341     Information Systems Procedures (3)
AD 353     Admin Systems Management (3)
AD 422     Training in Administrative Systems (3)
BA 361     Small Bus Mgmt/New Venture Creation (3)
MI 375     Management Information Systems (3)
UI 301     Managerial Communication Processes (3)

CHEMISTRY EDUCATION
(Unified Science Certification)
64-65 Hour Major - No Minor Required

Required Courses:
BO 200     Plant Biology (3)
CH 185     General Chemistry I (5)
CH 186     General Chemistry II (3)
CH 187     Qualitative Analysis (2)
CH 271     Quantitative Analysis (4)
CH 310     Intro to Physical Chemistry (5)
CH 341     Organic Chemistry I (4)
CH 342     Organic Chemistry Lab I (1)
UI 443     Professional Exp in Chemistry (3)
GO 110     Physical Geology (3)
GO 220     Meteorology (3)
GO 320     Oceanography (3)
PH 120     Introductory Physics I (5)

AND
PH 121     Introductory Physics II (5)
OR
PH 230     General Physics I (5)
AND
PH 231     General Physics II (5)
UI 331     Biochemistry I (3)
UI 422     Scientific Reasoning (3)
ZO 200     Animal Biology (3)

Choose 3-4 Hours From:
BI 190     Life Processes (4)
BS 108     Biology for Living (3)
BS 218     Bio Science: A Process Approach (3)

Choose 3 Hours From:
BI 332     General Ecology (3)
BS 105     Environmental Biology (3)
CH 350/EV 350     Environmental Chem (3)
GO 305     Environmental Geoscience (3)
UI 360     Recycling & Waste Management (3)
UI 372     Earthquakes & Society (3)

Additional Requirements: 3-8 Hours
MA 133     Plane Trigonometry (2) or H.S. equiv
MA 134     College Algebra (3) or H.S. equiv
MA 139     Applied Calculus (3)

EARTH SCIENCE EDUCATION
(Unified Science Certification)
62-63 Hour Major - No Minor Required

Required Courses:
BO 200     Plant Biology (3)
CH 185     General Chemistry I (5)
CH 186     General Chemistry II (3)
GO 110     Physical Geology (3)
GO 220     Meteorology (3)
GO 225     Rocks & Minerals (3)
GO 295     Intro Geoscience Research (1)
GO 310     Field Methods (1)
GO 320     Oceanography (3)
GO 400     Geomorphology (3)
GO 495     Senior Research & Seminar (2)
GO xxx     Elective (3)
PH 109     Exploring the Universe (3)

OR
UI 416     Planetary Exploration (3)
PH 120     Intro Physics I (5)

AND
PH 121     Intro Physics II (5)
OR
PH 230     General Physics I (5)
AND
PH 231     General Physics II (5)
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Choose 3-4 Hours From:
- UI 373 Earth/Life Thru Time (3)
- UI 422 Scientific Reasoning (3)
- UI 364 Experimental Knowledge (3)
- ZO 200 Animal Biology (3)

Choose 3 Hours From:
- BI 190 Life Processes (4)
- BS 108 Biology for Living (3)
- BS 218 Bio Sci: A Process Approach (3)

Choose 3 Hours From:
- BI 332 General Ecology (3)
- BS 105 Environmental Biology (3)
- GO 305 Environmental Geoscience (3)
- UI 360 Recycling & Waster Mgt (3)
- UI 372 Earthquakes & Society (3)

Additional Requirements - Math: 5 Hours
- MA 133 Plane Trigonometry (2)
- MA 134 College Algebra (3)
- MA 140 Analyt Geom & Calculus I (5)
- AND
- MA 140 Analyt Geom & Calculus I (5)

Additional Requirements – Biology:
- BS 105 Environmental Biology (3)
- BS 108 Biology for Living (3)
- BS 218 Bio Sci: A Process Approach (3)

ENGLISH EDUCATION
36 Hour Major - No Minor Required

Required Courses:
- EN 201 Writing About Literature (3)
- EN 378 Grammars of English (3)
- EN 379 Composition in the Secondary School (3)
- EN 385 Literature in the Secondary School (3)
- LI 260 English Lit I (3)
- LI 261 English Lit II (3)
- LI 270 American Lit I (3)
- LI 271 American Lit II (3)
- LI 311 World Literature I (3)
- LI 312 World Literature II (3)
- LI 542 Literature for Young Adults (3)

Choose 3 Hours From:
- EN 486 Sociolinguistics (3)
- UI 500 History of English Language (3)
- UI 501 Principles of Language (3)

Choose 3 Hours From:
- EN 275 Intro to Creative Writing (3)
- EN 376 Advanced Composition (3)

Choose 6 Hours From:
- EN 300-EN 599 English elective
- LI 300-LI 599 Literature elective
- UI 332 Images of Women in Literature (3)
- UI 341 Victorian Studies (3)
- UI 431 Shakespeare Trag/Hum Cond (3)
- UI 432 Shakespeare Hist/Com & Hum Cond (3)

Additional Requirement:
- LI 256 Variety of Literature (3)

FRENCH EDUCATION
36 Hour Major - No Minor Required

Required Courses:
- FR 001 French Exit Exam (0)
- FR 100 French Language & Culture I (3)
- FR 120 French Language & Culture II (3)
- FR 200 French Language & Culture III (3)
- FR 220 French Literature (3)
- FR 306 Contemporary France (3)
- FR 320 French Pronunciation & Phonetics (3)

Choose 6 Hours From:
- FR 310 Survey of French Literature I (3)
- FR 311 Survey of French Literature II (3)
- FR 410 Intro to the French Novel (3)
- FR 415 17th Century French Literature (3)
- FR 420 18th Century French Literature (3)
### Bachelor of Science in Education Degree

**Southeast Missouri State University 2003-04**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>FR 425</td>
<td>19th Century French Literature</td>
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<td>FR 430</td>
<td>20th Century French Literature</td>
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**Choose 6 Hours From:**
(Only one course may be selected from each of the areas of composition, conversation, commercial, grammar)

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<td>Intermediate French Conversation</td>
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<td>FR 315</td>
<td>Commercial French</td>
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<td>FR 330</td>
<td>French Grammar</td>
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<td>FR 405</td>
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<td>FR 530</td>
<td>French Adv Comp &amp; Conversation</td>
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**Choose 6 Hours FR Electives (300-500 level)**

**Additional Requirement:**

**Choose 3 Hours From:**

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<td>GG 170</td>
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<td>UI 362</td>
<td>Contemporary French Culture</td>
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<td>UI 375</td>
<td>European Film</td>
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<td>WH 103</td>
<td>European Civilization</td>
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<td>WH 366</td>
<td>Age of French Rev &amp; Napoleon</td>
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<td>WH 370</td>
<td>Europe in the 20th Century</td>
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<td>WH 514</td>
<td>History of Modern France</td>
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### GERMAN EDUCATION

**36 Hour Major - No Minor Required**

**Required Courses:**

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<td>GN 001</td>
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<td>GN 100</td>
<td>German Language &amp; Culture I</td>
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<td>GN 120</td>
<td>German Language &amp; Culture II</td>
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<td>GN 200</td>
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<td>GN 220</td>
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<td>GN 320</td>
<td>German Culture &amp; Civilization</td>
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**Choose 6 Hours From:**

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<td>GN 310</td>
<td>Survey of German Literature I</td>
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<td>GN 311</td>
<td>Survey of German Literature II</td>
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<td>GN 424</td>
<td>Twentieth-Century German Litera-</td>
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<td>GN 440</td>
<td>Special Topics: German</td>
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### INDUSTRIAL EDUCATION

**45 Hour Major - No Minor Required**

**Required Courses:**

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<td>DC/AC Principles &amp; Circuits I</td>
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<td>ET 164</td>
<td>DC/AC Principles &amp; Circuits II</td>
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<td>IE 401</td>
<td>Technology Education Mgt</td>
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<td>IM 102</td>
<td>Technical Communications</td>
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<td>MN 170</td>
<td>Industrial Materials &amp; Testing</td>
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<td>MN 203</td>
<td>Industrial Materials &amp; Process</td>
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**Choose 3 Hours From:**

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<tr>
<td>AN 101</td>
<td>Observing Other Cultures</td>
<td>3</td>
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<td>AN 181</td>
<td>Intro to Cultural Anthropology</td>
<td>3</td>
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<td>AN 241</td>
<td>Intro to Linguistic Anthropology</td>
<td>3</td>
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<td>AN 260</td>
<td>World Cultures</td>
<td>3</td>
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<tr>
<td>AN 390</td>
<td>European Prehistory</td>
<td>3</td>
</tr>
<tr>
<td>GG 170</td>
<td>European Peoples &amp; Civilization</td>
<td>3</td>
</tr>
<tr>
<td>UI 375</td>
<td>European Film</td>
<td>3</td>
</tr>
<tr>
<td>WH 103</td>
<td>European Civilization</td>
<td>3</td>
</tr>
<tr>
<td>WH 370</td>
<td>Europe in the 20th Century</td>
<td>3</td>
</tr>
<tr>
<td>WH 516</td>
<td>History of Modern Germany</td>
<td>3</td>
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<tr>
<td>WH 527</td>
<td>Intellectual History of Europe</td>
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</table>
Bachelor of Science in Education Degree
Southeast Missouri State University 2003-04

Choose 6 Hours From:

MATHEMATICS EDUCATION
43 Hour Major - No Minor Required

Required Courses:

- MA 138 Discrete Mathematics I (3)
- MA 140 Analytic Geometry & Calculus I (5)
- MA 145 Analytic Geometry & Calculus II (4)
- MA 223 Elem Probability & Statistics (3)

OR

- MA 523 Probability & Statistics I (3)
- MA 240 Analytic Geometry & Calculus III (3)
- MA 250 Foundations of Mathematics (3)
- MA 334 Computer Programming (3)
- MA 340 Concepts of Geometry (3)
- MA 345 Linear Algebra (3)
- MA 443 Elementary Number Theory (3)
- MA 445 Modern Algebra (3)

Choose 6 Hours From:

Choose 3 Hours From:

- MA 448 Mathematics Seminar (1)
- UI 438 Nature & Growth of Mathematical Thought (3)

MIDDLE SCHOOL EDUCATION (5-9 CERTIFICATE)
40-43 Hour Major - No Minor Required
(See advisor for specific courses required in each option.)

Choose One Option

OPTION I: Two Areas of Concentration (42-43 Hours)

Language Arts (21)
Mathematics (21)
Science (22)
Social Studies (21)

OPTION II: One Area of Concentration (24-25 Hours) & One Endorsement Area (21-23 Hours)

Agriculture Educ (21)
Industrial Technology (23)
Family & Consumer Language Arts (24)
Mathematics (24)
Science (25)
Sciences Education (23)
Social Studies (24)

OPTION III: One Area of Concentration (30-31 Hours)

Language Arts (30)
Mathematics (30)
Science (33)
Social Studies (30)

PHYSICAL EDUCATION (PK-12 CERTIFICATE)
48 Hour Major - No Minor Required
(A grade of ‘C’ or better is required in all courses within the major.)
Bachelor of Science in Education Degree
Southeast Missouri State University 2003-04

PHYSICS EDUCATION

Required Courses:
- AT 140       SEMO Wellness (3)
- BS 113       Anatomy & Physiology I (3)
- PE 201       Sport & Society (3)
- PE 216       Theory & Practice of Team Sports (2)
- PE 217       Theory & Practice of Team Sports (4)
- PE 219       Theory & Practice of Dance (3)
- PE 220       First Aid (2)
- PE 235       Psych of Coaching & Human Perf (3)
- PE 238       Foundations, Hist, Phil of PE & Sport Mgt (3)
- PE 239       Teaching Children Physical Education (3)
- PE 270       Teaching PE to Middle School Learner (3)
- PE 305       Motor Devel, Learning & Behavior (3)
- PE 310       Tests & Measurements in Phys Act/Sport (2)
- PE 341       Physiology of Conditioning (3)
- PE 408       Phys Educ for Individuals with Disabilities (2)
- PE 464       Kinesiology (3)
- PE 465       Seminar in Physical Education (1)

Choose One Hour From the Following:
- AT 101       Aqua-Aerobics (1)
- AT 130       Aerobics (1)
- AT 132       Body Building (1)
- AT 136       Jogging/Walking for Fitness (1)
- AT 138       Low Impact Aerobics (1)

Choose One Hour From the Following:
- DA 110       Ballet I (2)
- DA 120       Contemporary Dance I (1)
- DA 125       Jazz Dance I (2)
- DA 130       Ballroom Dance I (1)
- DA 135       Tap Dance I (2)
- DA 145       Line Dance (1)
- DA 210       Ballet II (2)
- DA 220       Contemporary Dance II (1)

(Unified Science Certification)
77-78 Hour Major - No Minor Required

Required Courses:
- BO 200       Plant Biology (3)
- CH 185       General Chemistry I (5)
- CH 186       General Chemistry II (3)
- EP 100       Physics & Engr Concepts (1)
- EP 361       Thermal Analysis (3)
- GO 110       Physical Geology (3)
- GO 220       Meteorology (3)
- GO 320       Oceanography (3)
- MA 140       Calculus I (5)
- MA 145       Calculus II (4)
- MA 240       Calculus III (3)
- MA 245       Vector Calculus (2)
- PH 230       General Physics I (5)
- PH 231       General Physics II (5)
- PH 341       Optics (3)
- PH 345       Experimental Methods I (3)

OR
- UI 330       Experimental Methods I (3)
- PH 445       Experimental Methods II (3)

OR
- PH 350       National Physics Programs (3)
- PH 360       Modern Physics (3)
- PH 370       Mechanics (3)
- PH 371       Electromagnetics (3)
- UI 422       Scientific Reasoning (3)
- ZO 200       Animal Biology (3)

Choose 3-4 Hours From:
- BI 190       Life Processes (4)
- BS 108       Biology for Living (3)
- BS 218       Bio Science: A Process Approach (3)

Choose 3 Hours From:
- BI 332       General Ecology (3)
- BS 105       Environmental Biology (3)
- GO 305       Environmental Geoscience (3)
- UI 360       Recycling & Waste Mgt (3)
- UI 372       Earthquakes & Society (3)

SOCIAL STUDIES
56 Hour Major - No Minor Required
Required Courses:
EC 215 Principles of Microeconomics (3)
EC 225 Principles of Macroeconomics (3)
GG 150 People & Places of the World (3)
GH 315 Historiography (3)
PS 103 U.S. Political Systems (3)
PY 101 Psych Perspective/Human Behav (3)
PY 102 Introduction to Psychology (3)
SO 102 Soc, Culture & Social Behav (3)
SO 200 Intro to Social Organization (3)
US 105 American History I (3)
US 107 American History II (3)
WH 101 Early European History (3)
WH 103 Modern European Civ (3)

Choose 3 Hours From:
AN 100 Found of Human Behav (3)
AN 181 Intro to Cultural Anthropology (3)
UI 339 North Am Indians (3)

Choose 3 Hours From:
PS 355 Third World Politics (3)
PS 570 Comparative Political Systems (3)
UI 350 Middle East Politics (3)

Choose 3 Hours From:
WH 424 South America (3)
WH 430 History of China & Japan (3)
WH 440 Modern Middle East (3)
WH 520 Latin American Colonial History (3)
WH 524 History of Mexico (3)
WH 550 The Atlantic World (3)
UI 304 History & Culture of West Africa (3)
UI 503 Alexander the Great (3)

Choose 3 Hours From:
SO 305 American Minority Relations (3)
SO 360 Criminology (3)
SO 365 Juvenile Delinquency (3)
SO 370 The Family (3)
SO 570 Sociology of the Child (3)
UI 338 Rural Sociology (3)

Choose 3 Hours From:
UI 302 Westward Movement (3)
UI 401 American Cultural Landscapes (3)

Choose 6 Hours From: US History Courses (300-500 level)

SPANISH EDUCATION
36 Hour Major - No Minor Required

Required Courses:
SN 001 Spanish Exit Exam (0)
SN 100 Spanish Language & Culture I (3)
SN 120 Spanish Language & Culture II (3)
SN 200 Spanish Language & Culture III (3)
SN 220 Hispanic Literature (3)
SN 300 Spanish American Culture (3)
SN 306 Civilization of Spain (3)

Choose 3 Hours From:
SN 430 Spanish American Literature I (3)
SN 435 Spanish American Literature II (3)

Choose 3 Hours From:
SN 403 Survey of Spanish Literature I (3)
SN 404 Survey of Spanish Literature II (3)
SN 410 Novel of the Golden Age (3)
SN 425 Contemporary Spanish Literature (3)

Choose 6 Hours From:
Bachelor of Science in Education Degree

Southeast Missouri State University 2003-04

(Only one course may be selected from each of the areas of composition, conversation, commercial, grammar)

SN 301 Intermediate Spanish Composition (3)
SN 305 Intermediate Spanish Conversation (3)
SN 316 Commercial Spanish (3)
SN 330 Spanish Grammar (3)
SN 335 Crit Rdgs in Hispanic Literature (3)
SN 530 Adv Spnsh Conversation/Comp (3)
SN 541 Spanish Writing Skills (3)

Choose 6 Hours SN Electives (300-500 level)

Additional Requirement:
Choose 3 Hours From:

AN 101 Observing Other Cultures (3)
AN 181 Intro to Cultural Anthropology (3)
AN 241 Intro to Linguistic Anthropology (3)
AN 260 World Cultures (3)
AN 360 Ancient Civ of Meso-America (3)
GH 125 Islamic Civilization (3)
GH 130 Latin American Civilization (3)
GG 160 American Peoples & Civilization (3)
UI 375 European Film (3)
WH 370 Europe in the 20th Century (3)
WH 424 South Americas (3)
WH 520 Latin America Colonial History (3)
WH 524 Hist of Mexico Since 1810 (3)

SPEECH COMMUNICATION

Choose 3 Hours From:

SC 155 Fund of Interpers Communication (3)
SC 200 Advanced Public Speaking (3)
SC 310 Speech Writing (3)
SC 240/TH 140 Oral Interpretation (3)
SC 305 Theories of Communication (3)

SC 314 Argumentation & Problem Solving (3)
TH 100 Theatre Appreciation (3)
TH 101 Acting for Non-Majors (3)
TH 231 Stagecraft I (3)
TH 385 Directing (3)

Choose 1-2 Hours From:

SC 160 Intercollegiate Debate (2)
SC 161 Intercollegiate Debate (2)
TH 241 Practicum in Acting & Directing (1)
TH 243 Practicum in Technical Theatre (1)

Choose 6 Hours From One of the Following Categories:

SPEECH COMMUNICATION

Choose 3 Hours From:

SC 215 Intercultural Communication (3)
SC 320 Group Comm & Decision-Making (3)
SC 335 Interviewing: Princ & Prac (3)
SC 355 Relational Comm Strategies (3)

Choose 3 Hours From:

SC 200 Advanced Public Speaking (3)
SC 310 Speech Writing (3)
SC 401 Political Communication (3)
UI 320 The Modern Presidency (3)
UI 425 Persuasion (3)

THEATRE

Choose 3 Hours From:

TH 315 Stage Movement (3)
TH 350 Stage Lighting (3)
TH 371 Scenic Design (3)
TH 420 Advanced Acting (3)

Choose 3 Hours From:

TH 285 Script Analysis (3)
TH 490 Theatre History I (3)
TH 495 Theatre History II (3)
**Bachelor of Science in Family and Consumer Sciences Education Degree**

For students planning to teach occupational family and consumer sciences or consumer homemaking in junior high or secondary schools.

**FAMILY AND CONSUMER SCIENCES EDUCATION**

44 Hour Major - No Minor Required

**Required Courses:**

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<td>Personal &amp; Family Relationships</td>
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<td>CF 120</td>
<td>The Child: Devel/Conception to Adolsc</td>
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<td>CF 430</td>
<td>Parent Child Interaction</td>
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<td>CT 230</td>
<td>Apparel Analysis</td>
<td>3</td>
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<td>FE 303</td>
<td>Management of Family Resources</td>
<td>3</td>
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<td>FE 514</td>
<td>Family Financial Counseling</td>
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<td>FN 205</td>
<td>Selection &amp; preparation of Foods</td>
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<td>FN 235</td>
<td>Nutrition for Health</td>
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<td>HE 520</td>
<td>Tech of Teaching Nutrition &amp; Health</td>
<td>3</td>
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<td>HL 310</td>
<td>Health Instruction</td>
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<td>HL 312</td>
<td>Contemporary Drug Use</td>
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<td>UI 340</td>
<td>Housing Perspectives</td>
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<td>Consumer &amp; the Market</td>
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**Choose 3 Hours From:**

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<td>CF 402</td>
<td>Marriage Interactions</td>
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**Choose 3 Hours From:**

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<td>Psych Devlpmnt of the Family</td>
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<td>SO 370</td>
<td>The Family</td>
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**Additional Elective Hours Approved by Advisor:**

3

**Professional Education Requirements: 37 Hours**

**Block I: 5 Hours**

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<td>Technology &amp; the Teacher’s Role</td>
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<tr>
<td>PY 222</td>
<td>Development of the Adolescent</td>
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<td>SE 222</td>
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**Block II: 12 Hours**

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<td>School &amp; Society</td>
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<td>SE 270</td>
<td>Secondary Block II Field Experience</td>
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<td>SE 271</td>
<td>Theories of Learning &amp; Management</td>
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<td>SE 272</td>
<td>Teaching Reading/Secondary School</td>
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<td>SE 273</td>
<td>Fund of High School Education</td>
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**Block III: 7 Hours**

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<td>Psych &amp; Education of Excep Child</td>
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<td>SE 312</td>
<td>Tech of Tchng Vocational Home Econ</td>
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<td>SE 370</td>
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**Block IV: 13 Hours**

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<td>Seminar/Educ Issues for Student Teachers</td>
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<td>SE 463</td>
<td>Student Teaching Secondary (1st)</td>
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<td>SE 464</td>
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**Additional Requirements: 33 Hours**

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<td>Investigation in Biology</td>
<td>3</td>
</tr>
<tr>
<td>EL 274</td>
<td>Diversity in American Schools</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SO 102</td>
<td>Society, Culture and Social Behavior</td>
<td>3</td>
</tr>
<tr>
<td>EN 100</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>EN 140</td>
<td>Rhetoric &amp; Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>LI xxx</td>
<td>Literature course (200-500 level)</td>
<td>3</td>
</tr>
<tr>
<td>MA 134</td>
<td>College Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>
## Bachelor of Music Education Degree

Southeast Missouri State University 2003-04

**Physical Systems course** (3-5)
- PL xxx Any Philosophy course (3)
- PS 103 U. S. Political Systems (3)
- SC 105 Fundamentals of Oral Communication (3)
- US 105 or US 107 American History I or II (3)

### Bachelor of Music Education Degree

For students planning to teach elementary or secondary school music.

**MUSIC EDUCATION**
68-69 Hour Major - No Minor Required
(A grade of 'C' or better is required for all courses within the major.)

#### Required Courses:
- ME 001 Senior Recital (0)
- ME 450 Synth of Mus Ed Method (3)
- MM 101 Theories of Music in Culture (3)
- MM 102 Basic Harmony & Form (3)
- MM 105 Aural Skills I (1)
- MM 106 Aural Skills II (1)
- MM 203 Adv Harmony, Form & Counterpoint (3)
- MM 204 Twentieth Century Techniques (3)
- MM 207 Aural Skills III (1)
- MM 208 Aural Skills IV (1)
- MH 251 History & Lit of Music to 1827 (3)
- MH 252 Evolution of Musical Style Since 1827 (3)
- MP 1xx Applied Music (2)
- MP 2xx Applied Music (2)
- MP 3xx Applied Music (2)
- MP 4xx Applied Music (1)
- MU 001 Piano Proficiency (0)
- MU 002 Sophomore Review (0)
- MU 110 Recitals & Concerts (seven semesters) (0)
- MU 151 Functional Piano I (1)
- MU 152 Functional Piano II (1)
- MU 253 Functional Piano III (1)
- MU 254 Functional Piano IV (1)
- MU 341 Basic Conducting (2)
- UI 310 American Musical Experience (3)
- UI 402 Music in World Cultures (3)

Choose three hours from:
- UI 315 Electronics & Computers in Music (3)
- UI 392 The Age of Romanticism (3)
- UI 393 The Age of Modernism (3)
- UI 394 Music & Culture: 1600-1750 (3)
- UI 396 The Age of Beethoven (3)
- UI 397 Music in Medieval & Renaissance Culture (3)

Choose One Option:

#### INSTRUMENTAL (21 Hours)
- ME 250 Trumpet & Horn Techniques (1)
- ME 251 Trombone/Euphonium/Tuba Techniques (1)
- ME 252 Flute & Double Reed Techniques (1)
- ME 253 Single Reed Techniques (1)
- ME 260 String Techniques (2)
- ME 261 Percussion Techniques (2)
- ME 300 Marching Band Techniques I (.5)
- ME 400 Marching Band Techniques II (.5)
- MU 220 Voice Class (2)
- MU 344 Conducting/Wind Lit (2)
- MU 3xx Choral Ensemble (1)
- MU 3xx Instrumental Ensemble (7)

#### VOCAL (20 Hours)
- ME 281 Instr Fundamentals (2)
- ME 443 Choral Literature (2)
- ME 473 Tech of Teaching Choral Lit (2)
- MP xxx Applied Piano (2)
- MU 114 Singer's Diction (2)
- MU 343 Conducting/Choral Lit (2)
- MU 3xx Choral Ensemble (7)
- MU 424 Vocal Pedagogy (2)

#### Professional Music Education Requirements:
Bachelor of Music Degree
Southeast Missouri State University 2003-04

Instrumental & Vocal - 39 Hours

**Block I: 6 Hours**
- EM 102  Technology & the Teacher’s Role (1)
- ME 222  Principles of Teaching Music (2)
- PY 222  Development of the Adolescent (3)

**Block II: 13 Hours**
- EF 200  School & Society (2)
- ME 270  Field Experience Block II (3)
- ME 271  Theories/Learning & Management (2)
- ME 272  Techniques/Teaching Reading in Music (2)
- ME 371  General Music Methods: Elem & Sec (4)

**Block III: 7 Hours**
- EX 390  Psychology & Educ of the Excep Child (3)
- ME 370  Field Experience Block III (1)
- ME 372  Instrumental Techniques: Elem & Sec (3)
- **OR**
- ME 373  Choral Techniques: Elem & Sec (3)

**Block IV: 13 Hours**
- EF 400  Seminar/Educ Issues for Student Teachers (1)
- SE 463  Student Teaching Experience I (6)
- SE 464  Student Teaching Experience II (6)

**Additional Requirements: 27 Hours**
- (Courses may also meet University Studies requirements)
- **Option One:**
- EN 100  English Composition (3)
- EN 140  Rhetoric & Critical Thinking (3)
- US 105  American History I (3)
- **OR**
- US 107  American History II (3)
- MA 134  College Algebra or more advanced course (3)
- PL 245  Social Philosophy (3)

- **Option Two:**
- PS 103  U.S. Political Systems (3)
- SC 105  Fundamentals of Oral Communication (3)
- BS 1xx  BS prefix course with lab (3)
- EC xxx  Economics course (3)

Bachelor of Music Degree
Designed for students with an interest in professional careers in music. Options are available in performance or composition.

**MUSIC**
- 79-85 Hour Major - No Minor Required
(A grade of ‘C’ or better is required for all courses within the major.)

**Required Courses:**
- MH 251  Hist & Lit of Music to 1827 (3)
- MH 252  Hist & Lit of Music from 1827 (3)
- MM 101  Theories of Music in Culture (3)
- MM 102  Basic Harmony & Form (3)
- MM 105  Aural Skills I (1)
- MM 106  Aural Skills II (1)
- MM 203  Adv Harmony, Form & Counterpoint (3)
- **OR**
- MM 204  Twentieth Century Techniques (3)
- MM 207  Aural Skills III (1)
- MM 208  Aural Skills IV (1)
- MM 503  Seminar in Music Theory (3)
- MU 001  Piano Proficiency (0)
- MU 002  Sophomore Review (0)
- MU 110  Recitals & Concerts (0)
- MU 151  Functional Piano I (1)
- MU 152  Functional Piano II (1)
- **OR**
- MU 253  Functional Piano III (1)
- MU 254  Functional Piano IV (1)
- MU 300  Junior Recital (1)
- MU 341  Basic Conducting (2)
- MU 400  Senior Recital (2)
- UI 310  American Musical Experience (3)
- **OR**
- UI 315  Electronics & Computers in Music (3)
- UI 402  Music in World Cultures (3)

Choose One Option:
Bachelor of Science in Nursing
Southeast Missouri State University 2003-04

INSTRUMENTAL PERFORMANCE (36 Hours)*

- MP 1xx: Applied Music: Instrumental (2)
- MP 2xx: Applied Music: Instrumental (4)
- MP 3xx: Applied Music: Instrumental (6)
- MP 4xx: Applied Music: Instrumental (6)
- MU 299: Chamber Music (4)
- MU 3xx: Instrumental Ensemble (8)
- MU 430: Pedagogy: Applied Area (2)
- MU 432: Literature: Applied Area (2)
- MU xxx: Music Electives MU 300 or above (2)

*Guitar Performance option listed below due to specialized courses for that option.

GUITAR PERFORMANCE (34 Hours)*

- MP 1xx: Applied Music: Guitar (2)
- MP 2xx: Applied Music: Guitar (4)
- MP 3xx: Applied Music: Guitar (6)
- MP 4xx: Applied Music: Guitar (6)
- MU 338: Lute & Guitar Tablature (2)
- MU 384: Guitar Ensemble (6)
- MU 3xx: Instrumental Ensemble (not including Guitar Ensemble) (2)
- MU 430: Pedagogy: Applied Area (2)
- MU 432: Literature: Applied Area (2)
- MU xxx: Music Electives MU 300 or above (2)

VOCAL PERFORMANCE (38 Hours)

- MP 101: Applied Music: Voice (2)
- MP 303: Applied Music: Voice (6)
- MP 403: Applied Music: Voice (6)
- MU 114: Singer’s Diction (2)
- MU 3xx: Vocal Ensemble (8)
- MU 424: Vocal Pedagogy (2)

OR

- MU 430: Pedagogy: Applied Area (2)
- MU 432: Literature: Applied Area (2)

OR

- MU 540: Vocal Literature (2)
- MU xxx: Music Elective MU 299 or above (6)

COMPOSITION (40 Hours)

- MP 197: Applied Music: Composition (2)
- MP 298: Applied Music: Composition (4)
- MP 399: Applied Music: Composition (6)
- MP 499: Applied Music: Composition (6)
- MP xxx: Applied Music: Piano (2)
- MU 430: Pedagogy: Applied Area (2)
- MU 432: Literature: Applied Area (2)
- MU xxx: Major Ensemble (8)
- MU xxx: Music Electives MU 299 or above (8)

Bachelor of Science in Nursing

The Bachelor of Science in Nursing (BSN) degree may be taken as a (1) professional program in nursing that prepares graduates to meet all requirements for making application to the Missouri State (or other state) Board of Nursing to write the national examination for licensure as a registered nurse (RN) in Missouri, and (2) baccalaureate completion (RN to BSN) program in nursing after licensure as a registered nurse. See Admission to Nursing Programs criteria under Admissions, page 12. To be retained in the nursing program students must maintain at least a cumulative GPA of 2.0 in academic work at the University. Students who receive a grade below a ‘C’ in any nursing course or any required support course are not eligible to continue in the program, and must apply for readmission to the Department of Nursing Student Affairs Committee.

NURSING

58 Hour Major - No Minor Required

Required Nursing Courses (BSN):

- NS 009: Comprehensive Exam (2)
- NS 180: The Nursing Profession (2)
- NS 181: Pro Practice: Clinical Skills (2)
- NS 182: Pro Practice: Rural Nursing (1)
- NS 183: Phys Aspects of Well Client (3)
- NS 184: Emotional/Spiritual Aspects Well Client (3)
- NS 281: Pro Practice: Family Nursing I (3)
- NS 282: Pro Practice: Family Nursing II (3)
Required Support Courses (BSN):

NS 283 Pro Practice: Med-Surg Nursing I (6)
NS 383 Pro Practice: Med-Surg Nursing II (6)
NS 384 Pro Practice: Mental Health Nursing (3)
NS 385 Research in Pro Practice (2)
NS 386 Pro Practice: Comm Health Nursing (6)
NS 480 Pro Practice: Leadership and Mgt (6)
NS 481 Advanced Assessment (1)
NS 482 Professional Seminar (1)
NS 483 Pro Practice: Care of the Frail Elderly (2)
NS 484 Comprehensive Pro Practice (6)

BS 113/013 Anatomy & Physiology I (3)
BS 114/014 Anatomy & Physiology II (3)
CH 180 Chemistry in Our World (3)
BS 340 Microorganisms & Their Human Hosts (3)

OR

BI 200 General Microbiology (3)
EN 140 Rhetoric & Critical Thinking (3)
FN 232 Altrd Hlth & Pharm Mgt I (3)
NS 234 Altrd Hlth & Pharm Mgt II (3)
NS 236 Altrd Hlth & Pharm Mgt II Lab (1)
PY 220 Psych Devel Across the Life Span (3)
UI 412 Amer Health Care Systems & Issues (3)
x x x x Statistics course approved by advisor (3)

Required Nursing Courses (RN to BSN):

NS 380 Holistic Assessment & Diagnosis (4)
NS 385 Research in Professional Practice (2)
NS 386 Professional Practice: Community Health Nursing (6)

NS 390 Framework for Professional Nursing (4)
NS 480 Professional Practice: Leadership & Management (6)

For required support courses and advanced placement credit information contact the Department of Nursing.

**Associate Degrees**

The following statements pertain to all associate degrees:

- A minimum of 20 hours must be completed in residence at Southeast.
- The student's last term must be completed in residence at Southeast, except that, in the case where six or fewer hours are needed to meet the total number of hours required for graduation, they may be taken from another accredited college or university, or by correspondence or extension, subject to the rules governing extension courses and transfer of credit.
- A minimum cumulative GPA of 2.0 is required for graduation.
- A minimum 2.0 GPA for all of the degree credit attempted at Southeast is required in the major and overall.
- The student must pass EN 099 or EN 110; and MA 095; or score at the appropriate levels on placement tests to have the courses waived. Additionally, the following statements pertain to all associate of arts degrees:
  - The University Studies Program, consisting of 21 hours, is required.
  - A minimum of 64 hours of degree credit (courses numbered 100-599) is required for graduation.

**ASSOCIATE OF APPLIED SCIENCE IN CHILD CARE AND GUIDANCE**

Granted upon completion of a two-year program in human environmental studies and related disciplines.

Minimum Degree requirements 65 Hours
University Studies requirements 21 Hours
Required Courses 37 Hours
Additional Requirements 7 Hours

**Required Courses:**

CF 102 Personal & Family Relations (2)
CF 120 The Child: Dev/Concept to Adolsc (3)
135  Associate Degrees
Southeast Missouri State University 2003-04

Additional Requirements:

CF 126  Facilitating Development/Young Children (3)
CF 200  Guiding Alternatives (3)
CF 210  Field Experience in Early Child Programs (2)
        (waived for documented work experience in day care center)
CF 290  Preschool Participation I (2)
CF 291  Preschool Participation Lab (1)
CF 300  Working With Parents (2)
CF 301  Working With Parents Lab (1)
CF 312  Org & Mgt of Child Care Centers (3)
CF 316  Prenatal/Infant Growth & Stimulation (2)
CF 317  Prenatal/Infant Growth & Stimulation Lab (1)
FN 425  Health, Nutrition & Safety of Young Child (3)
CF 450  Teaching Young Children, Ages 3-5 (3)
        Electives approved by advisor (6)

Core Requirements: 36 Hours

EN 100  English Composition I (3)
        OR
EN 140  Rhetoric & Critical Thinking (3)
IM 102  Technical Communications (3)
IS 175  Information Systems I (3)
        OR
AD 101  Intro Micro Applications (3)
IS 275  Information Systems II (3)
        OR
AD 339  Network Support Sys (3)
MA 133  Plane Trigonometry (2)
MA 134  College Algebra (3)
MN 260  Tech Computer Programming (3)
PH 120  Introductory Physics I (5)
PH 121  Introductory Physics II (5)
        OR
CH 181  Basic Principles of Chemistry (5)*
PS 103  U.S. Political Systems (3)
SC 105  Fund of Oral Communications (3)

Choose One 33 Hour Option:

AUTOMATED MANUFACTURING

ET 160  Basic Electricity & Electronics (3)
ET 194  Intro to PLC’s (3)
IM 311  Statistical Process Control (3)
MN 170  Industrial Materials & Testing (3)
MN 203  Industrial Materials & Processes I (3)
MN 204  Industrial Materials & Processes II (3)
MN 354  Computer Aided Mfg (3)
MN 356  Robotics (3)
MN 412  Advanced Manufacturing System (3)
TG 120  Computer Aided Eng. Graphics (3)
TG 220  Solid Modeling & Rapid Prototyping (3)

*CH 181 required for Automated Manufacturing Option

CPR CERTIFICATION IS REQUIRED FOR DEGREE

NOTE: MA 095 Intermediate Algebra is required unless waived by appropriate score on ACT Math sub-test.

ASSOCIATE OF APPLIED SCIENCE IN COMPUTER TECHNOLOGY

The purpose of the program is to prepare individuals for entry-level positions in industry.

69 Hours Required
MICROCOMPUTER SYSTEMS

ET 162 DC/AC Principles & Circuits I (3)
ET 164 DC/AC Principles & Circuits II (3)
ET 194 Intro to PLC's (3)
ET 260 Electronic Circ Design/Analysis I (3)
ET 262 Electronic Circ Design/Analysis II (3)
ET 364 Logic Circuits (3)

OR

EP 305 Digital & Analog Sys (3)
ET 366 Microcontrollers (3)
ET 368 Advanced Digital Principles (3)
ET 462 Networking I (3)
ET 464 Telecommunications & Networking II (3)
ET 465 Computer Peripherals (3)

TECHNICAL COMPUTER GRAPHICS

TG 120 Computer Aided Eng. Graphics (3)
TG 170 Intro to Graphics (3)
TG 220 Solid Modeling & Rapid Prototyping (3)
TG 272 Electronic Publishing (3)
TG 320 Architectural Drawing I (3)
TG 322 Architectural Drawing II (3)
TG 324 Design Modeling & Processes (3)
TG 374 Digital Imaging & Editing (3)
TG 376 Multimedia & Animation (3)
TG 422 Multicolor Print Processes (3)
TG 472 Advanced Graphic Projects (3)

Pre-Professional Programs

Pre-professional programs available at the University include pre-architecture, pre-chiropractic, pre-dental, pre-engineering, pre-law, pre-medical, pre-optometry, pre-pharmaceutical, pre-physical therapy, pre-veterinary, and pre-vocational agriculture education.

PRE-ARCHITECTURE CURRICULUM

Students should complete a prescribed program of 34-45 credit hours at the University to apply toward a degree in architecture from Kansas State University. Students planning to transfer to another architecture school should consult with an advisor from that institution. All students must consult with the pre-architecture advisor in the Department of Industrial and Engineering Technology prior to the beginning of their program of study.

PRE-CIROPRACTIC CURRICULUM

Schools of chiropractic medicine usually require the completion of at least 90 credits prior to admission. The specific required courses usually include biology (8-10 credits), chemistry (18-20 credits), English (6 credits), physics (8-10 credits), psychology, and social sciences/humanities (15-20 credits). If you enter without a degree, many professional schools will grant a bachelor’s degree when you have completed one-half of their curriculum.

There are not a large number of chiropractic schools in the United States and students should obtain the admission requirements from the schools to which they plan to apply. This information should then be used to plan the student’s academic program. This planning is done in consultation with the pre-chiropractic advisor in the Department of Biology.

PRE-DENTAL CURRICULUM

Dental schools will admit students after they have earned 90 credits. These students, however, must have very strong academic credentials. Most admitted students will have completed a bachelor’s degree (120+ credits) prior to entrance. Specific subject requirements are very similar to those required for admission to medical schools. Strong letters of reference, good admission test (DAT) scores, and a demonstrated motivation for dentistry are also necessary. Students should be prepared to apply to several professional schools and should plan their academic programs accordingly. This planning is done in consultation with the pre-dental advisor in the Department of Biology.

PRE-ENGINEERING CURRICULUM

The two-year pre-engineering curriculum is designed so that students can receive a degree from an engineering school after an additional two years of study. The curriculum is closely articulated with programs at the University of Missouri-Rolla and the University of Missouri-Columbia. Transfer brochures have been prepared in cooperation with both universities and are available to students. Students planning to attend another engineering school should consult the catalog from that institution and arrange their programs with a pre-engineering advisor. Students expecting to enroll in
the pre-engineering program should have a mathematics background in high school of at least one year of geometry, two years of algebra, and one year of pre-calculus mathematics which includes trigonometry. If these requirements are not met it will be necessary to correct any deficiencies upon entering the University. Generally, this necessitates attending an additional summer term prior to transferring. Provisions have been made to accommodate students in this category. Students should complete from 64 to 68 credit hours prior to transferring if they expect to complete an engineering degree in four years. This includes not only required courses in mathematics, physics, and engineering, but also courses in the humanities and the social sciences. Students who maintain a high academic standing will be eligible for transfer scholarships. A preengineering advisor in the Department of Physics and Engineering Physics should be consulted for details regarding the preengineering program.

PRE-LAW CURRICULUM

Students interested in attending law school after graduation should understand that there is no single pre-law curriculum. Rigidly structured “pre-law majors” are in fact strongly discouraged by schools of law. A wide variety of undergraduate majors are suitable as law school preparation, provided that they have a strong academic content. Courses that develop a student’s ability to think logically and to express thoughts lucidly in written form are strongly suggested. While there is no specific “pre-law major”, the Department of Political Science, Philosophy, and Religion provides pre-law advising to those students, regardless of actual major, who are considering a career in law. Such advising includes recommending to students various schools of law which may be most appropriate for them, assisting students with the law school application process (including the Law School Admission Test), and recommending undergraduate preparation for the subsequent law school experience.

PRE-MEDICAL CURRICULUM

Most medical schools require a bachelor’s degree (120+ credits) to be earned before entrance. There are a few schools that will allow entrance after having earned 90 credits, but only students with very strong academic credentials will be considered for acceptance. Specific subject requirements include English (6-9 credits), biology (15-20 credits), chemistry (18-20 credits), physics (10 credits), and mathematics (courses essential for the chemistry and physics courses, college algebra/trigonometry; a few professional schools require calculus). In addition to good course grades, strong letters of reference, good admission test (MCAT) scores, and a demonstrated motivation for medicine are necessary. Students should consult the catalogs of the professional schools to which they plan to apply and plan their course programs accordingly. This planning is done with advice from the pre-medical advisors in the Department of Biology.

PRE-OPTOMETRY CURRICULUM

Optometry schools have admission requirements that are very similar to those for dental schools. They will admit students who have completed 90 credits, but most admitted students have completed a bachelor’s degree. Course requirements are similar to dental schools, but most also have mathematics requirements that include one or two semesters of calculus. Other admission requirements will also be similar to those for dentistry, except the admission test (OAT) is different. There are only 17 optometry schools in the United States. Students should plan their course programs in a way that will allow them to apply to more than one school. This planning is done in consultation with the pre-optometry advisor in the Department of Biology.

PRE-PHARMACY CURRICULUM

Since there are more than 70 schools of pharmacy in the United States, pre-pharmacy should be advised according to the bulletin(s) of the school(s) to which the student is considering transfer. While each program is unique, most programs are either one or two years in length, and usually require chemistry, biology, physics, mathematics, and English, in addition to certain specified courses in other fields. Students interested in pre-pharmacy should contact Dr. Bruce Hathaway, the pre-pharmacy advisor in the Department of Chemistry as early as possible in the enrollment process.

PRE-PHYSICAL THERAPY CURRICULUM

Most physical therapy programs require completion of a bachelor’s degree prior to admission (e.g., Southwest Missouri State University). Students preparing for application to such programs must declare a major at Southeast in addition to enrolling in the prephysical therapy program. Health Management, Biology, Chemistry and Human Environmental Studies/Dietetics option majors are particularly complementary to physical therapy preparation as they include many of the prerequisite courses. Prerequisite courses commonly include biology, chemistry, mathematics, psychology and English. Some physical therapy programs accept transfer students after completion of 60 hours of prerequisite courses, after which students continue as juniors in a combined BS/MS program (e.g., University of Mis-
souri-Columbia). Students planning to apply to such programs do not need to declare a major at Southeast but should enroll in the pre-physical therapy program. Because each physical therapy program designates its own requirements for admission, students should pay close attention to the prerequisites of schools where they plan to apply. Students pursuing prephysical therapy should contact the Department of Health, Human Performance and Recreation as early as possible in the enrollment process.

**PRE-VETERINARY CURRICULUM**

Students preparing for application to a professional Veterinary Medicine Program for completion of a Doctor of Veterinary Medicine (D.V.M.) degree must enroll in a pre-professional program. The minimum requirements for admission to most professional programs include 64 hours of course work (the pre-professional program), completion of the Graduate Record Exam (GRE), and acceptance by the College of Veterinary Medicine to which the student makes application. Specific subjects required in the pre-professional program include English, college algebra, biology, chemistry (inorganic, organic and biochemistry), physics, and certain University Studies courses. Courses in animal science are also recommended. Students should consult the current catalog of the College of Veterinary Medicine they plan to attend and develop their program in conference with the Pre-Veterinary Medicine advisor. Students enrolled in the pre-professional program should plan a four-year degree program along with the Pre-Veterinary Medicine program. Students enrolling at Southeast Missouri State University will find majors in Agriculture, Chemistry, or Biology particularly complementary to the D.V.M. program. For more information, contact the School of Polytechnic Studies Advising Center.

**PRE-VOCATIONAL AGRICULTURE EDUCATION CURRICULUM**

Students interested in certification to teach Vocational Agriculture enroll in a three-year pre-agriculture education program and complete the fourth year at a certifying institution. University Studies, core courses in agriculture, and agricultural mechanization may be completed prior to transfer. Students will apply for admission to a teacher education program after transferring. Agricultural education prepares students to be instructors of vocational agriculture in public high schools and area vocational technical schools. It can also prepare students for careers in many other areas such as agricultural business and industry. Students may specialize in particular fields such as mechanization, economics, agronomy or horticulture. It is an exciting field that provides the opportunity to guide and develop, through instruction, the future leaders of our nation’s agricultural industry.
Minors/Certificates
Minors

Departments may require a minor for majors under-the Bachelor of Arts, Bachelor of Science, & Bachelor of Science in Education (Secondary). The areas in which minors are offered are:

- Accounting
- Administrative Systems Management
- Aerospace Studies
- Agriculture
- Anthropology
- Archaeology
- Architectural Design
- Art
- Art History
- Art/3-D Studio
- Botany
- Business Administration
- Business Communication
- Chemistry
- Child Life Services
- Child Studies
- Coaching
- Communication Disorders
- Communication for Legal Professionals
- Computer Networking
- Computer Science
- Criminal Justice
- Criminology
- Dance
- Economics
- Electronic Technology
- Engineering Physics
- Entrepreneurship/Small Business Management
- Environmental Science
- Environmental Studies
- Family Economics & Management
- Family Studies
- Fashion Merchandising
- Finance
- Fitness & Exercise Science
- Food Service & Hospitality Management
- French
- Geography
- Geosciences
- German
- Gerontology
- Graphic Communications Technology
- Health Promotion
- Historic Preservation
- History
- Horticulture
- Human Resource Management
- Industrial Management
- Industrial Relations
- Information Systems
- Interior Design
- International Studies
- Interpersonal & Small Group Communication
- Literature
- Logistics Management
- Management
- Marketing: Marketing Management
- Marketing: Integrated Marketing Communications
- Marketing: Retail Management
- Marketing: Sales Management
- Mass Communication
- Mathematics
- Microbiology
- Music
- Nutrition
- Operations Management
- Outdoor Adventure Leadership
- Pedology/Soil Science
- Philosophy
- Physics
- Political Science
- Psychology: Applied
- Psychology: Developmental
- Psychology: General
- Psychology: Psychological Services
- Public Administration
- Public Communication
- Recreation
- Religion
- Small Press Publishing
- Social Rehabilitation & Treatment
- Social Work
- Sociology
- Soils
- Spanish
- Sport Management
- Technical Theatre
- TESOL
- Theatre Arts
- Theatre Performance
- Women's Studies
- Writing
- Zoology
ACCOUNTING
15 Hours Required
Required Courses:
- AC 221: Principles of Financial Accounting (3)
- AC 222: Principles of Managerial Accounting (3)
- AC 321: Intermediate Accounting I (3)
Choose 6 Hours AC courses (300-500 level)

ADMINISTRATIVE SYSTEMS MANAGEMENT
18 Hours Required
Required Courses:
- AD 101: Intro to Micro Applications (3)
- AD 222: Micro Appl for Business (3)
- AD 353: Administrative Systems Management (3)
- MG 301: Management & Organiz Behav (3)
- MG 252: Business Communication (3)
Choose 3 Hours From:
- AD 323: Admin Information Systems (3)
- AD 331: Advanced Word Processing (3)
- AD 341: Information Systems Procedures (3)
- MG 356: Human Resources Mgt I (3)

AEROSPACE STUDIES
16 Hours Required
Required Courses:
- AS 100: Foundation of USAF I (1)
- AS 101: Foundation of USAF II (1)
- AS 200: USAF Air & Space Power I (1)
- AS 201: USAF Air & Space Power II (1)
- AS 300: AF Leadership Studies I (3)
- AS 301: AF Leadership Studies II (3)
- AS 400: National Security Affairs (3)
- AS 401: Preparation for Active Duty (3)

NOTE: AS 203 AFROTC Field Training (4) may be completed in lieu of AS 100, AS 101, AS 200, & AS 201

ANTHROPOLOGY
18 Hours Required
Required Courses:
- AN 181: Intro Cultural Anthropology (3)
- AN 241: Intro Linguistic Anthropology (3)
- AN 317: Ethnographic Field Methods (3)
Choose 9 Hours From:
- AN 101: Observing Other Cultures (3)
- AN 180: Intro/Phys Anthro & Archaeology (3)
- AN 260: World Cultures (3)
- AN 280: Economic Anthropology (3)
- AN 360: Meso-American Civilizations (3)
- AN 383: Cultures of the Third World (3)
- AN 493: General Anthropology Theory (3)
- SO 345: Methods of Social Research (3)

ARCHAEOLOGY
18 Hours Required
Required Courses:
- AN 180: Intro/Phys Anthro & Archaeology (3)
- AN 382: Archaeology: Method & Theory (3)
- AN 313: Archaeological Fieldwork (3)
OR
- AN 551: Historic Archaeology Fieldwork
Choose 9 Hours From:
- AN 181: Intro Cultural Anthropology (3)
- AN 250: World Archaeology (3)
- AN 319: Archaeological Laboratory (3)
- AN 321: Midwestern Archaeology (3)
- AN 360: Meso-American Civilizations (3)
- AN 381: North American Archaeology (3)
- AN 493: General Anthropology Theory (3)
Minors 142

Southeast Missouri State University 2003-04

ARCHITECTURAL DESIGN
15 Hours Required

Required Courses:
- TG 100 Intro to Drafting (3)
- TG 126 Computer Assisted Drafting (3)
- TG 320 Architectural Drawing I (3)

Choose 6 Hours From:
- UI 401 American Cultural Landscapes (3)
- HO 330 Landscape Planting Design (3)
- HO 530 Home Horticulture (2)
- TG 274 Photography Fundamentals (3)
- TG 322 Architectural Drawing II (3)

ART
19-21 Hours Required
(6 Hours must be 300-500 level)

Required Courses:
- AR 100 Drawing I (3)
- AR 104 Design Foundations (3)
- OR
- AR 109 Practical Design & Color (3)
- AR 201 Color Composition (3)
- AH 210 Art History Survey II (3)
- OR
- AR 112 Perspectives in Art (3)

Choose 3 Hours From:
- AR 108 Drawing in Society (3)
- AR 111 Ceramics: A Metaphor (3)
- AR 202 Drawing II: Human Figure (3)
- AR 208 Intro to Graphic Design (3)
- AR 320 Watercolor I (3)
- AR 325 Painting (3)
- AR 330 Fibers I (3)
- AR 332 Sculpture I (3)
- AR 342 Ceramics I (3)

Choose 6 Hours From: (related courses are encouraged)
- AR 314 Drawing III: Adv Problems (3)
- AR 302 Printmaking (3)
- AR 303 Screenprinting (3)
- AR 306 Advertising Illustration I (3)
- AR 308 Publication Design (3)
- AR 309 Advertising Illustration II (3)
- AR 316 Advanced Graphic Design (3)
- AR 375 Art & New Technology (3)
- AR 376 3-D Digital Animation (3)
- AR 421 Watercolor II (3)
- AR 426 Advanced Painting (3)
- AR 431 Sculpture II (3)
- AR 441 Ceramics II (3)
- AR 501 Intaglio (3)
- AR 520 Figure Painting (3)
- AR 530 Fibers II (3)
- AR 541 Ceramics III (3)

*Prerequisite: AR 209

ART/3-D STUDIO
15 Hours Required

Required Courses:
- AR 104 Design Foundations (3)
- AR 201 Color Composition (3)

Choose 9 Hours From:
- AR 330 Fibers I (3)
- AR 332 Sculpture I (3)
- AR 342 Ceramics I (3)
- AR 431 Sculpture II (3)
- AR 441 Ceramics II (3)
- AR 530 Fibers II (3)
- AR 541 Ceramics III (3)

ART HISTORY
21 Hours Required

Required Courses:
- AH 110 Art History Survey I (3)
- AH 210 Art History Survey II (3)

Choose 15 Hours From:
- AH 100 Ancient Egypt (3)
- AH 310 Classical Art (3)
- AH 311 Modern Art (3)
- AH 312 Renaissance Art (3)
- AH 400 Seminar: Readings in Art (3)
- AH4xx/UI4xx Female Saints (3)
Minors

Southeast Missouri State University 2003-04

15-16 Hours Required

Required Courses:
- BI 190 Life Processes (4)
- BI 225 Research Methods in Biology (3)
- BO 200 Plant Biology (3)

Choose 5-6 Hours From:
- BO 361 Systematic Botany (3)
- BO 445 Plant Physiology (3)
- BO 461 Native Aquatic Plants (3)
- BO 469 Field Botany (2)

BUSINESS ADMINISTRATION
30 hours required*
(For non-Business majors only)

Required Courses:
- AC 221 Princ of Financial Accounting (3)
- AC 222 Princ of Managerial Accounting (3)
- AD 101 Intro/Microcomputer Applc (3)
- EC 225 Princ of Macroeconomics (3)
- FI 361 Financial Management (3)
- MA 139 Applied Calculus (3)
- MG 301 Mgt & Organiz Behav (3)
- MI 375 Management Info Systems (3)
- MK 301 Principles of Marketing (3)
- QM 257 Business Statistics (3)

Prerequisites:
- EC 215 Princ of Microeconomics (3)
- MA 134 College Algebra (3)

*All courses require minimum grade of ‘C’.

BUSINESS COMMUNICATION
18 Hours Required

Required Courses:
- SC 320 Group Discussion & Decision-Making (3)
- SC 335 Interviewing (3)
- SC 560 Organizational Communication (3)
- UI 301 Mngrial Communuc Processes (3)

Choose 6 Hours From:
- SC 155 Fund of Interpers Communic (3)
- SC 200 Advanced Public Speaking (3)
- SC 305 Theories of Communication (3)
- SC 310 Speech Writing (3)
- SC 314 Argumentation & Problem Solving (3)
- SC 510 Group Dynamics (3)
- SC 590 Communication & Attitudes (3)
- SC 215 Intercultural Communication (3)
- UI 425 Persuasion (3)

CHEMISTRY
19 Hours Required

Required Courses:
- CH 185 General Chemistry I (5)
- CH 186 General Chemistry II (3)
- CH 187 Qualitative Analysis (2)
- CH 271 Quantitative Analysis (4)
- CH 341 Organic Chemistry I (4)
- CH 342 Organic Chemistry Lab I (1)

CHILD LIFE SERVICES
21 Hours Required

Required Courses:
- CF 509 Child Life Services (3)
- CF 560 Child Life Services Practicum (6)
- DA 340 Movement Therapies (3)
- OR
- HL 120 Health Perspectives (3)
- OR
- RC 112 Music as Therapy (3)
- RC 260 Intro to Therapeutic Rec (3)

Choose One 6 Hour Option

AH 510 Non-Western Art (3)
AH 511 American Art (3)
AH 512 Contemporary Art (3)
AH 514 Issues in Renaissance Art (3)
AH 516 Issues in Modern Art (3)
AR 112 Perspectives in Art (3)
UI 337 Issues/20th Cent Architecture (3)

(or other deparmentally approved UI prefix course)
OPTION I (For Psych/other majors)

- CF 290  Preschool Participation (2)
- CF 291  Preschool Participation Lab (1)
- CF 409  School Age Child Care (3)
- EX 200  Intro to Exceptional Child (3)

OPTION II (For Child Devel/other majors)

- PY 222  Development of Adolescent (3)
- PY 250  Applied Psychology (3)
- PY 444  Childhood Psychopathology (3)
- PY 529  Psychology of Death & Dying (3)
- PY 555  Health Psychology (3)

NOTE: Child Life Services minors MUST have an advisor in the Department of Human Environmental Studies. Application for practicum must be filed with advisor at least one semester in advance.

CHILD STUDIES

18 Hours Required

Required Courses:

- CF 120  The Child (3)
- CF 200  Guiding Altern/Young Children (3)
- CF 290  Supervised Participation I (2)
- CF 291  Supervised Participation Lab (1)

Choose 3 Hours From:

- CF 211  Field Exp/Early Childhd Prgms (3)
- CF 300  Working with Parents (3)
- CF 301  Working with Parents Lab (1)
- CF 316  Prenatal/Infant Growth & Stim (3)
- CF 317  Prenat/Infant Growth & Stim Lab (1)

Choose 6 Hours From:

- CF 126  Facil Devel in Young Children (3)
- CF 312  Org/Mgt of Child Care Centers (3)
- CF 430  Parent/Child Interaction (3)
- CF 501  Preschool Child Practicum (3)
- CF 502  Preschool Children/Comp Tech (3)
- CF 506  Theories/ Issues in Child Devel (3)
- FN 425  Health/Nutr/Safety of Yng Child (3)

COACHING

21 Hours Required

Required Courses:

- CG 470  Practicum in Coaching (3)
- PE 220  First Aid (2)
- PE 235  Psych/Coaching & Hum Perfrm (3)
- PE 341  Physiology of Conditioning (3)
- PE 460  Sports Administration I (3)
- SM 540  Leg Aspects/Sport & Phys Activity (3)

Choose 4-5 Hours From:

- CG 205  Coaching of Baseball (2)
- CG 210  Coaching of Basketball (2)
- CG 215  Coaching of Football (2)
- CG 220  Coaching of Softball/Volleyball (3)
- CG 225  Coaching of Track & Field (2)
- CG 235  Coaching of Soccer (2)

COMMUNICATION DISORDERS

18 Hours Required

Required Courses:

- CD 225  Phonetics (4)
- CD 230  Intro to Comm Disorders (4)
- CD 340  Normal Spch & Lang Develop (3)
- CD 406  Diagnostic & Clin Meth in SLP (4)

Choose 3 Hours from:

- CD 371  Anatomy & Phys of Hearing Mech (3)
- CD 410  Spch Disorders I: Phonology/Artic (3)
- CD 426  Hrng Disorders: Audio Assessment (3)

COMMUNICATION FOR LEGAL PROFESSIONALS

20-21 Hours Required

Required Courses:

- SC 105  Fund of Oral Communication (3)
- SC 314  Argumentation & Problem Solving (3)
Choose 8-9 Hours From:
- SC 160/161: Intercollegiate Debate (2)
- SC 200: Advanced Public Speaking (3)
- SC240/TH140: Oral Interpretation (3)
- SC 310: Speech Writing (3)
- SC 400: Advanced Debate (3)
- TH 101: Acting for Non-Majors (3)

COMPUTER SCIENCE
15 Hours Required
- CS 155: Computer Science I (5)
- CS 265: Computer Science II (5)

Choose 5 Hours CS courses (300-500 level)

Additional Requirement:
- MA 134: College Algebra (3)

CRIMINAL JUSTICE
15 Hours Required
15 hours in criminal justice, including 6 hours at the 300-500 level.

CRIMINOLOGY
21 Hours Required

Required Courses:
- SO 205: Social Problems in America (3)
- SO 240: Interpretation of Data (3)
- OR
- xx xxx: Any statistics course (3)
- SO 360: Criminology (3)
- SO 375: Collective Behavior (3)
**ECONOMICS**
15 Hours Required
Required Courses:
- EC 215 Principles of Microeconomics (3)
- EC 225 Principles of Macroeconomics (3)
Choose 3 Hours From:
- EC 350 Devel of Economic Thought (3)
- EC 410 Macroeconomic Theory (3)
- EC 420 Microeconomic Theory (3)
Choose 6 Hours From:
- EC xxx Any EC course (300-500 level) (3)
- UI 332 International Political Economy (3)
- UI 349 Comparative Economic Systems (3)
- UI 366 Law & Economics (3)
- UI 371 Government & Business (3)

**ELECTRONICS TECHNOLOGY**
18 Hours Required
Required Courses:
- ET 162 DC/AC Principles & Circuits I (3)
- ET 164 DC/AC Principles & Circuits II (3)
- ET 260 Electronic Circuit Des/Analysis I (3)
- ET 262 Electr Circuit Des/Analysis II (3)

Choose 6 Hours From One Option:

<table>
<thead>
<tr>
<th>Option I</th>
<th>Option II</th>
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<tr>
<td>ET 364 Logic Circuits (3)</td>
<td>ET 194 Intro to PLC’s (3)</td>
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<td>OR</td>
<td>ET 365 Industrial Electrical Power (3)</td>
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<td>EP 305 Digital &amp; Analog System Design (3)</td>
<td>ET 468 Industrial Controls (3)</td>
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<td>ET 366 Microcontrollers (3)</td>
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<td>ET 368 Advanced Digital (3)</td>
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**ENGINEERING PHYSICS**
19 Hours Required
Required Courses:
- PH 230 General Physics I (5)
- PH 231 General Physics II (5)
Choose 9 Hours EP or PH electives, including
- UI 330 (Except those courses indicated in the BULLETIN that do not apply on a minor)

**ENTREPRENEURSHIP/ SMALL BUSINESS MANAGEMENT**
15 Hours Required
Required Courses:
- BA 361 Sm Bus Mgt/New Vent Creation (3)
- BA 363 Sm Bus/New Venture Financing (3)
- BA 461 Sm Bus/New Vent Plng & Strat (3)
- BA 463 Small Bus/New Venture Internship Project/Bus Plan Completion (3)
Choose 3 Hours Bus Elective (300-500 level)
(See advisor for list of approved courses)
Additional Requirement:
- Completion of Business Core (37 Hours)

**ENVIRONMENTAL SCIENCE**
20-22 Hours Required
(For non-science majors; 6 hours must be at 300-400 level)
Minors
Southeast Missouri State University 2003-04

Required Courses:
- BS 105 Environmental Biology (3)
- CH 180 Chemistry in Our World (3)
- OR
  - CH 181 Basic Principles of Chemistry (5)
  - GO 110 Physical Geology (3)
  - UI 429 Environmental Ethics (3)

Choose 6 Hours From:
- AO 120 Plant Science (4)
- AO 215 Soils (3)
- BS 108 Biology for Living (3)
- CH 234 Organic & Biological Chemistry (3)
- GO 305 Environmental Geoscience (3)
- GO/EV 365 Environmental Soil Science (4)

Choose 3 Hours From:
- AG 201 World Food & Society (3)
- UI 319 Science, Technology & Society (3)
- UI 347 Living in a Global Society (3)
- UI 360 Recycling & Waste Management (3)
- UI 387 Environmental Law & Public Policy (3)

ENVIRONMENTAL STUDIES
21 Hours Required
(For science majors; 6 hours must be at 300-400 level)

Required Courses:
- BS 105 Environmental Biology (3)
- GO 110 Physical Geology (3)
- UI 387 Environmental Law & Public Policy (3)
- UI 429 Environmental Ethics (3)

Choose 3 Hours From:
- CS 180 Scientific Computing (3)
- EN 301 Writing for Science & Technology (3)
- GO 305 Environmental Geoscience (3)
- GO 460 Environmental Hydrology (3)
- MA 223 Elementary Probability & Stats (3)
- UI 319 Science, Technology & Society (3)
- UI 360 Recycling & Waste Management (3)

Choose 3 Hours From:
- EN 190 Writing about the Environment (3)
- PL 245 Social Philosophy (3)
- PS 280 Intro to Global Issues (3)
- SO 430 Demography (3)
- UI 339 North American Indians (3)
- UI 347 Living in a Global Society (3)
- UI 372 Earthquakes & Society (3)

Choose 3 Hours From:
- AG 201 World Food & Society (3)
- AG 433 Agricultural & Food Policy (3)
- BL 255 Legal Environment of Business (3)
- EC 101 Economic Problems & Policy (3)
- EC 215 Princ of Macroeconomics (3)
- PS 230 American Public Policy (3)
- PS 418 Public Policy Analysis (3)

FAMILY ECONOMICS AND MANAGEMENT
15 Hours Required

Required Courses:
- CF 512 Utiliz Fam/Community Resrcs (3)
- FE 303 Mgt of Family Resources (3)
- FE 514 Family Financial Management (3)
- UI 355 Consumer & the Market (3)

Choose a Minimum of 3 Hours From:
- FE 313 Management Practicum (2)
- HE317/318/319 Field Experience (1-3)

FAMILY STUDIES
15 Hours Required

Required Courses:
- CF 512 Utiliz Fam/Community Resrcs (3)
- PY 325 Psych Devel of the Family (3)
- OR
- SO 370 Family (3)
Choose 3 Hours from each of the Following Categories:

**Childhood**
- CF 120: The Child: Devel/Concep/Adolsc (3)
- CF 316: Prenatal/Infant Growth & Stim (3)
- PY 222: Development of the Adolescent (3)
- SO 206: Social Problems of Childhood (3)

**Maturity & Aging**
- CF 207: ElderCare Experiences (3)
- HL 510: Health Concerns of the Aging (3)
- PY 525: Maturity & Aging (3)
- SO 330: The Sociology of Aging (3)

**Interpersonal Relations & Family Issues**
- AN 181: Intro to Cultural Anthropology (3)
- CF 300: Working with Parents (3)
- CF 402: Marriage Interaction (3)
- FE 303: Mgt of Family Resources (3)
- SO 305: American Minority Relations (3)
- SW 320: Working With Children/Fam (3)

**FASHION MERCHANDISING**
18 Hours Required

**Required Courses:**
- CT 110: Intro to Fashion Merchandising (3)
- CT 207: Textiles (3)
- CT 230: Apparel Analysis (3)
- CT 350: Apparel Aesthetics (3)

Choose 6 Hours From:
- CT 300: Prof Image & Behavior (2)
- CT 415: Fashion Retailing (3)
- CT 420: Specialty Market (3)
- CT 450: Issues/Trends in Fash Merch (3)
- CT 517: History of Costume (3)
- CT 518: Soc Psych Aspects of Clothing (3)
- HI 214: Display Design (3)

**FINANCE**
15 Hours Required

**Required Courses:**
- FI 361: Financial Management (3)
- FI 364: Modern Financial Institution (3)
- FI 368: Investments (3)

Choose 6 Hours FI courses (300-500 level) OR
- AC 375: Financial Statement Analysis (3)
- FI xxx: (300-500 level) (3)

**FITNESS AND EXERCISE SCIENCE**
22 Hours Required

**Required Courses:**
- HL 120: Health Perspectives (3)
- HL 261: Exercise Science Practicum (3)
- HL 331: Exercise Physiology (3)
- HL 431: Fitness Assmt & Exercise Prog (4)
- HL 460: Exercise Leadership (3)

Choose 6 Hours HL courses (300-500 level)

**Additional Requirements: 12-14 Hours**
- BS 113/013: Anatomy & Phys I (3)
- BS 114/014: Anatomy & Phys II (3)
- CH 180: Chem in Our World (3)
- OR
- CH 181: Basic Princ of Chem (5)
- MA 134: College Algebra (3)

**FOODSERVICE AND HOSPITALITY MANAGEMENT**
17 Hours Required

**Required Courses:**
- FN 150: Persp on Foodserv/Hosp Mgt (1)
- FN 205: Selection & Preparation of Food (3)
- FN 260: Sanitation/Foodserv & Hosp Ind (3)
- FN 320: Advanced Food Preparation (4)
- FN 416: Quantity Food Production (3)

Choose 3 Hours From:
- FN 235: Nutrition for Health (3)
- FN 406: Hospitality & Institution Admin (3)
**Minors**  
*Southeast Missouri State University 2003-04*

<table>
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<tr>
<th>Minor</th>
<th>Hours Required</th>
<th>Required Courses</th>
<th>Choose Hours From</th>
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<td><strong>FRENCH</strong></td>
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<td>Required Courses:</td>
<td>Choose 6 Hours FR courses (300-500 level)</td>
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<td>FR 100 French Language &amp; Culture I (3)</td>
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<td>FR 120 French Language &amp; Culture II (3)</td>
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<td>FR 200 French Language &amp; Culture III (3)</td>
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<td>FR 220 French Literature (3)</td>
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<td><strong>Choose 6 Hours FR courses (300-500 level)</strong></td>
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<td><strong>GEOGRAPHY</strong></td>
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<td>GG 140 The Physical Landscape (3)</td>
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<td>GG 150 Peoples &amp; Places of the World (3)</td>
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<td>GG 180 Cultural Geography (3)</td>
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<td>UI 307 Economic Geography (3)</td>
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<td>UI 401 Amer Cultural Landscapes (3)</td>
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<td><strong>GEOSCIENCE</strong></td>
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<td>GO 110 Physical Geology (3)</td>
<td>CD 560 Communic Disord of the Aged (3)</td>
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<td>GO 225 Rocks &amp; Minerals (3)</td>
<td>CF 207 Eldercare Experience (3)</td>
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<td>UI 373 Earth/Life Thru Time (3)</td>
<td>CF 512 Utiliz Fam/Community Resrcs (3)</td>
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<td><strong>Choose 9 Hours From: (At least 3 Hours must be 400-level)</strong></td>
<td>FN 520 Nutrition in the Later Years (3)</td>
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<td>GO 310 Field Methods (2)</td>
<td>HI 518 Envir Des for Spec Populations (3)</td>
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<td>GO 315 Paleontology (3)</td>
<td>HL 306 Aging &amp; Exercise (3)</td>
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<td>GO 320 Oceanography (3)</td>
<td>HL 510 Health Concerns of Aging (3)</td>
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<td>GO 335 Sedimentology &amp; Stratigraphy (4)</td>
<td>PY 525 Maturity &amp; Aging (3)</td>
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<td>GO 340 Remote Sensing (3)</td>
<td>PY 529 The Psych of Death &amp; Dying (3)</td>
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<td>GO 345 Mineralogy &amp; Petrology (4)</td>
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<td>GO 350 Geology Field Camp (4)</td>
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<td>GO 360 Structural Geology (3)</td>
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<td>GO 4xx Any 400-level GO course</td>
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<td><strong>GERMAN</strong></td>
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<td>GN 100 German Language &amp; Culture I (3)</td>
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<td>GN 120 German Language &amp; Culture II (3)</td>
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<td>GN 220 German Literature (3)</td>
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<td><strong>Choose 6 Hours GN courses (300-400 level)</strong></td>
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<td><strong>GERONTOLOGY</strong></td>
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<td>BS 327 Biology of Aging (3)</td>
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<td>CF 206 Intro to Gerontology (3)</td>
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<td>CF 518 Gerontology Practicum (3)</td>
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<td>SO 330 Sociology of Aging (3)</td>
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<td><strong>Choose 9 Hours From:</strong></td>
<td>CD 560 Communic Disord of the Aged (3)</td>
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<td>CF 512 Utiliz Fam/Community Resrcs (3)</td>
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<td>CF 518 Gerontology Practicum (3)</td>
<td>FN 520 Nutrition in the Later Years (3)</td>
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<td>SO 330 Sociology of Aging (3)</td>
<td>HI 518 Envir Des for Spec Populations (3)</td>
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<td><strong>Choose 9 Hours From One Option:</strong></td>
<td>HL 306 Aging &amp; Exercise (3)</td>
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<td><strong>OPTION I</strong></td>
<td>HL 510 Health Concerns of Aging (3)</td>
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<td>TG 272 Electronic Publishing (3)</td>
<td>PY 525 Maturity &amp; Aging (3)</td>
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<td>TG 374 Digital Imaging &amp; Editing (3)</td>
<td>PY 529 The Psych of Death &amp; Dying (3)</td>
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<td>TG 376 Multimedia &amp; Animation (3)</td>
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</table>
OPTION II

TG 220  Solid Modeling & Rapid Prototype (3)
TG 320  Architectural Drawing I (3)
TG 322  Architectural Drawing II (3)

OPTION III

TG 220  Solid Modeling & Rapid Prototype (3)
TG 324  Design Modeling & Processes (3)
TG 326  Industrial Production Drafting (3)

HEALTH PROMOTION

21 Hours Required

Required Courses:

HL 111  Intro to Health Management (3)
HL 120  Health Perspectives (3)
HL 260  Health Promotion Practicum (3)
HL 332  Lifestyle Disease Risk Reduction (3)
UI 354  Lifestyle Enhancement (3)

Choose 6 Hours From:

FN 235  Nutrition for Health (3)
HL 312  Contemporary Drug Use (3)
HL 331  Exercise Physiology (3)

Prerequisites to Courses Listed:

BS 113/013  Anatomy & Phys I (3)
BS 114/014  Anatomy & Phys II (3)
CH 180  Chem in Our World (3)
OR
CH 181  Basic Princ of Chem (5)
MA 134  College Algebra (3)

HISTORIC PRESERVATION

21 Hours Required

Required Courses:

HP 100  Intro to Historic Preservation (3)
HP 200  Intro to Tech of Local History (3)
HP 585  History of Amer Architecture (3)
US 105  American History I (3)
US 107  American History II (3)

Choose 6 Hours From:

(3 Hours must be 300-500 level)

AH 511  History of American Art (3)
HP 405  Archives & Spec Collec Studies (3)
HP 410  Museum Studies (3)
HP 420  Historic Site Admin (3)
HP 450  Problems in Hist Pres (3)
HP 588  Leg/Econ Princ of Historic Pres (3)
UI 313  African American Experience (3)
US 210  Women in American History (3)
US 220  American Folklore (3)
US 525  American Urban History (3)

HISTORY

21 Hours Required

Required Course:

GH 315  Historiography (3)

Choose 9 Senior Level Hours From:

EH 300-599  (3)
US 300-599  (3)
WH 300-599  (3)

Choose 3 Additional Senior Level Hours From: EH, GH, US OR WH 300-599 prefix courses (3)

Choose an additional 6 Hours of EH, GH, US, WH prefix courses – any level

HORTICULTURE

15 Hours Required

Required Courses:

AO 430  Landscape & Turf Management (4)
HO 130  Ornamental Plants I (2)
HO 231  Plant Propagation (3)

Choose a minimum of 6 Hours From:

AO 341  Vegetable Production (3)
HO 330  Landscape Planting Design (3)
HO 342  Fruit Production (3)
HO 350  Greenhouse Management (4)
HO 353  Bedding Plant Production (3)
HO 355  Interior Plantscaping (3)
Minors

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Prerequisite to Courses Listed:
AO 120 Plant Science (4)

HUMAN RESOURCE MANAGEMENT
18 Hours Required
Required Courses:
MG 301 Management & Organizational Behavior (3)
MG 356 Human Resource Management I (3)
MG 446 Human Resource Management II (3)
MG 456 Topics in Human Resource Mgt (3)

Choose 6 Hours From:
MG 362 Management Systems I (3)
MG 421 Total Quality Management (3)
MG 457 Issues in Organizational Behavior (3)
MG 470 Leadership in Management (3)
MG 550 Improving Team Performance (3)
MI 410 Business Database Systems (3)

Choose 6 Hours From Courses Listed Above and/or From:
PY 251 Industrial & Organizational Psychology (3)
PY 450 Organizations as Open Systems (3)
US 528 U.S. Economic History (3)
US 529 History of American Labor (3)

Prerequisites:
EC 380 Labor Economics (3)
OR
EC 385 Collective Bargaining (3)

INFORMATION SYSTEMS
15 Hours Required
Required Courses:
IS 175 Information Systems I (3)
IS 275 Information Systems II (3)

Choose At Least 9 Hours From
(6 must be at 300-400 level courses):
AC 330 Accounting Information Systems (3)
CS 120 Intro to Computer Science (3)
CS 155 Computer Science I (5)
IS 130 Visual Basic Programming I (3)
IS 330 Visual Basic Programming II (3)
IS 445 Application Systems Analysis and Design (3)
IS 465 Management Support Systems (3)

INTERIOR DESIGN
18 Hours Required
Required Courses:
HI 104 Housing & Interior Design I (3)
HI 224 Design Illustration (3)
HI 230 Residential Interior Design I (3)
Choose 3 Hours From:
CT 207 Textiles (3)
HI 214 Display Design (3)
HI 220 Lighting & Interior Systems (3)
HI 470 Interior Design Practicum (3)
HI 530 History of Furniture I (3)

INTERNATIONAL STUDIES
21 Hours Required
Intermediate foreign language competency required Significant exposure to another culture (3)
Choose 9 Hours From the Following:
AN 101 Observing Other Cultures (3)
GG 150 People & Places of the World (3)
PS 104 Comparative Political Systems (3)
RS 101 World Religions (3)
SC 215 Intercultural Communication (3)
Choose 3 Hours From:
AN 383 Cultures of the Third World (3)
GG 320 Political Geography (3)
PS 280 Intro to Global Issues (3)
PS 3xx Terrorism & Political Violence (3)
PS 355 Third World Politics (3)
PS 380 International Organizations (3)
PS 570 Comparative Governments (3)
PS 580 International Politics (3)
PS 595 International Law (3)
UI 307 Economic Geography (3)
UI 326 Australian Culture (3)
UI 347 Living in a Global Society (3)
UI 402 Music in World Culture (3)
UI 447 Globalism & Justice (3)
Choose 6 Hours of Electives From an Approved List (See Liberal Arts Advising Center for Approved List of Electives)

INTERPERSONAL AND SMALL GROUP COMMUNICATION
18 Hours Required

Required Courses:
SC 155 Fund of Interpers Communic (3)
SC 305 Theories of Communication (3)
SC 320 Group Discussion & Decision-Making (3)
UI 345 Nonverbal Communication (3)

Choose 6 Hours From:
SC 215 Intercultural Communication (3)
SC 335 Interviewing (3)
SC 355 Relational Comm Strategies (3)
SC 365 Communication Betw the Sexes (3)
SC 510 Group Dynamics (3)
SC 560 Organizational Communication (3)
SC 590 Comm/Attitudes: Thry/Resrch (3)
UI 425 Persuasion (3)

LITERATURE
15 Hours Required
Required Courses:
LI 2xx Any Lit Expr course/LI prefix (3)
LI 260 English Literature I (3)
OR
LI 261 English Literature II (3)
LI 270 American Literature I (3)
OR
LI 271 American Literature II (3)
Choose 6 Hours EN 435, LI courses (300-500 level), UI 332, UI 341, UI 431, UI 432, or UI 435 which represent more than one genre (i.e., not 2 novels courses)

LOGISTICS MANAGEMENT
15 Hours Required
Required Courses:
MK 346 Distribution Management (3)
MK 347 Transportation (3)
MG 451 Materials & Supply Management (3)
MG 452 Production Resource Management (3)
MG 478 Global Logistics (3)
MANAGEMENT
18 Hours Required
Required Courses:
- MG 301 Management & Organiz Behav (3)
- MG 362 Management Systems I (3)
- MG 457 Issues in Organizational Behav (3)

Choose 9 Hours From:
- MG 300 Intro to Quant & Prod Analysis (3)*
- MG 355 Supervisory Management (3)
- MG 356 Human Resource Management I (3)
- MG 421 Total Quality Management (3)
- MG 446 Human Resource Management II (3)
- MG 470 Leadership in Management (3)
- MG 550 Improving Team Performance (3)
- MG 560 International Management (3)
- MI 410 Business Database Systems (3)

* For non-business majors only

MARKETING: MARKETING MANAGEMENT
15 Hours Required
Required Courses:
- MK 301 Principles of Marketing (3)
- MK 343 Advertising & Promotion (3)
- MK 346 Distribution Management (3)
- MK 348 Product & Pricing Strategy (3)

Choose any MK course except MK 201 and MK 449 (3)

MARKETING: RETAIL MANAGEMENT
15 Hours Required
Required Courses:
- MK 301 Principles of Marketing (3)
- MK 343 Advertising & Promotion (3)
- MK 349 Retail Management (3)

Choose 6 hours of MK courses except MK 201 and MK 449 (6)

MARKETING: SALES MANAGEMENT
15 Hours Required
Required Courses:
- MK 301 Principles of Marketing (3)
- MK 342 Professional Selling (3)
- MK 344 Consumer Behavior (3)
- MK 447 Sales Management (3)

Choose any MK elective except MK 201 and MK 449 (3)

MASS COMMUNICATION
18 Hours Required
(A grade of ‘C’ or better is required for each course within the minor except MC 486 which is a credit/no credit course.)
Required Courses:
- MC 101 Mass Communication & Society (3)
- MC 401 Communication Law (3)
- UI 382 Hist & Phil/Amer Mass Media (3)

Choose 9 Hours of MC Courses (6 hours must be 300-400 level. All 100 or 200 MC course prerequisites must be met but only 3 hours can be counted toward meeting minor requirements.)

MATHEMATICS
15 Hours Required
15 hours in mathematics (courses numbered MA 134 & above with the exception of MA 218, MA 230, MA 318 & MA 418) including 5 hours at the 300-500 level.

MICROBIOLOGY
16 Hours Required
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**Required Courses:**
- BI 190  Life Processes (4)
- BI 200  General Microbiology (3)
- BI 225  Research Methods in Biology (3)

**Choose 6 Hours From:**
- BI 441  Virology (3)
- BI 442  Immunology (3)
- BI 443  Epidemiology (3)
- BI 445  Microbial Physiology (3)
- BI 543/544  Pathogenic Microbiology (3)

**MUSIC**

**19 Hours Required**

**Required Courses:**
- MM 101  Theories of Music in Culture (3)
- MM 105  Aural Skills (1)
- MU 110  Recitals/Concerts (2 semesters) (0)
- MU 181  Musical Encounters (3)
- OR
- MU 182  Music: An Artistic Expression (3)
- MU 3xx  Music Ensembles (2)
- UI 310  American Musical Experience (3)

**Choose 7 Hours From:**
- ME xxx  Instrumental Techniques (1-2)
- MH 251  Hist & Lit of Music to 1827 (3)
- OR
- MH 252  Evol/Musical Style Since 1827 (3)
- MM 102  Basic Harmony & Form (3)
- MM 106  Aural Skills II (1)
- MP xxx  Applied Music (2-5)
- MU 151  Functional Piano I (or equiv) (1)
- OR
- MU 152  Functional Piano II (or equiv) (1)
- MU 190  Jazz Appreciation (3)
- MU xxx  Music Ensembles (2)
- MU 430  Literature: Applied Area (2)
- MU 432  Pedagogy: Applied Area (2)
- UI 315  Electronics & Compters in Music (3)
- UI 402  Music in World Cultures (3)

**NUTRITION**

**18-19 Hours Required**

**Required Courses:**
- FN 205  Selection & Prep of Foods (3)
- FN 235  Nutrition for Health (3)
  OR
- FN 255  Nutrition I (3)
- FN 355  Lifespan Nutrition (3)
- HE 520  Tech Tchg Ntr & Health Ed (3)

**Choose Two Courses From:**
- FN 370  Nutrition Assessment (3)
- FN 502  Nutrition II (3)
- FN 503  Medical Nutr Therapy I (4)
- FN 540  Community Nutrition (3)

**OPERATIONS MANAGEMENT**

**21 Hours Required**

**Required Courses:**
- MG 301  Management & Organiz Behav (3)
- MG 358  Production/Operations Mgt (3)
- MG 451  Materials and Supply Mgmt (3)
- QM 352  Quant Methods in Business (3)

**Choose 9 Hours From:**
- MG 421  Total Quality Management (3)
- MG 452  Production/Resource Mgt (3)
- MG 462  Applied Systems Analysis (3)
- MG 478  Global Logistics (3)
- MG 548  Project Management (3)
- MI 410  Business Database Systems (3)
- MI 445  Systems Analysis & Design (3)

**OUTDOOR ADVENTURE LEADERSHIP**

**20 Hours Required**

**Required Courses:**
- RC 119  Outdoor Adventure Special Topics (1-3)
- RC 220  Leadership & Group Dynamics (3)
- RC 250  Found of Outdoor Recreation (3)
- RC 316  Special Topics in Health & Leisure (1-3)
- RC 440  Facilitation of Grp Developmnt (3)
- RC 450  Outdoor Adventure as Treatment (3)
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PEDOLOGY/SOIL SCIENCE
18-19 Hours Required
Required Courses:
AO 215   Soils (3)
   OR
EV 365   Environ Soil Science (4)
AO 555   Soil Class & Resource Mgmt (3)
   OR
GO 555   Soil Class & Resource Mgmt (3)
GO 110   Physical Geology (3)
GO 225   Rocks & Minerals (3)
Choose 6 hours from:
AO 427   Soil Fertil & Plant Nutr (3)
AO 550   Soil Conservation (3)
GO 340   Remote Sensing (3)
GO 355   Sedimentology/Stratigraphy (3)
GO 440   Geomorphology (3)
GO 445   Geog Info Systems (3)
GO 455   Clay Mineralogy (3)
GO 465   Low Temp Geochemistry (3)

PHILOSOPHY
18 Hours Required
Required Courses:
PL 120   Symbolic Logic I (3)
PL 300   Ancient Philosophy (3)
PL 390   Contemporary Philosophy (3)
Choose 3 Hours From:
PL 110   Readings in Philosophy (3)
PL 203   Aesthetics & the Arts (3)
PL 204   Ethical Theory (3)
PL 245   Social Philosophy (3)
RS 101   World Religions (3)
Choose 6 Hours PL courses (300-400 level) or any departmentally approved courses with a UI prefix

PHYSICS
15 Hours Required
Required Courses:
PH 120   Introductory Physics I (5)
   OR
PH 230   General Physics I (5)

Choose 5 Hours EP or PH electives (300-500 level, including UI 330)

POLITICAL SCIENCE
15 Hours Required
Required Courses:
PS 103   U.S. Political Systems (3)
   OR
PS 104   Comparative Political Systems (3)
PS 240   Intro to Political Science (3)
PS 470   Politics of the Developed World (3)
Choose 6 Hours PS courses (At least 2 hours must be 300-500 level)

PSYCHOLOGY: APPLIED
18 Hours Required
Required Courses:
PY 102   Introduction to Psychology (3)
PY 250   Applied Psychology (3)
PY 358   Social Psychology (3)
Choose 9 Hours From:
PY 251   Indus/Organiz Psychology (3)
PY 359   Psychology & the Law (3)
PY 450   Organizations as Open Systems (3)
PY 553   Perspectives on Stress (3)

PSYCHOLOGY: DEVELOPMENTAL
18 Hours Required
Required Courses:
PY 102   Introduction to Psychology (3)
PY 120   The Child/Devel/Concept/Adls (3)
   OR
PY 222   Development of the Adolescent (3)
PY 220   Psych Devel Across Life Span (3)
PY 525   Maturity & Aging (3)
Choose 3 Hours From:
- PY 325 Psych Devel of the Family (3)
- PY 444 Childhood Psychopathology (3)

Choose 3 Hours From:
- PY 521 Advanced Child Development (3)
- PY 529 Psychology of Death & Dying (3)

PSYCHOLOGY: GENERAL
18 Hours Required
Required Courses:
- PY 102 Intro to Psychology (3)

Choose 3 Hours From:
- PY 362 Learning & Memory (3)
- PY 366 Intro to Sensation & Perception (3)
- PY 466 Intro to Physiological Psychology (3)

Choose 3 Hours From:
- PY 353 Social Cognition (3)
- PY 364 Comparative Cognition (3)
- PY 460 Cognitive Processes (3)

Choose 3 Hours From:
- PY 120 The Child (3)
- PY 220 Psychological Development Across the Lifespan (3)
- PY 222 Development of the Adolescent (3)
- PY 525 Maturity & Aging (3)

Choose 3 Hours From:
- PY 432 Intro to Personality (3)
- PY 440 Abnormal Psychology (3)
- PY 441 Intro to Clinical Psychology (3)

Choose 3 Hours From:
- PY 250 Applied Psychology (3)
- PY 251 Industrial/Organizational Psychology (3)
- PY 358 Social Psychology (3)

PSYCHOLOGY: PSYCHOLOGICAL SERVICES
18 Hours Required

Required Courses:
- PY 102 Introduction to Psychology (3)
- PY 432 Intro to Personality (3)
- PY 440 Abnormal Psychology (3)

Choose 9 Hours From:
- PY 358 Social Psychology (3)
- PY 359 Psychology & the Law (3)
- PY 441 Intro to Clinical Psychology (3)
- PY 442 Psychotherapy (3)
- PY 543 Clinical Psychopharmacology (3)
- PY 444 Childhood Psychopathology (3)
- PY 531 Psychological Testing (3)
- PY 553 Perspectives on Stress (3)

PUBLIC ADMINISTRATION
18 Hours Required
Required Courses:
- PS 230 American Public Policy (3)
- PS 384 Political Science Internship (3)
- PS 402 Fund of Public Administration (3)
- PS 403 Public Personnel Administration (3)
- PS 415 Government Budgeting Process (3)

Choose 3 Hours From:
- EC 360 Managerial Economics (3)*
- EC 525 Public Policy Economics (3)**
- MG 301 Management & Organiz Behav (3)
- PS 418 Public Policy Analysis (3)
- PS 425 Admin Law & Procedure (3)
- PY 450 Organizations as Open Systems (3)

Prerequisites:
*EC 215, MA 134
**EC 215, EC 225, MA 134

PUBLIC COMMUNICATION
18 Hours Required
Required Courses:
- SC 105 Fundamentals of Oral Comm. (3)
- SC 200 Advanced Public Speaking (3)
- SC 310 Speech Writing (3)
- UI 425 Persuasion (3)
## Minors

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### Choose 6 Hours From:

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<tr>
<td>TH 101</td>
<td>Acting for Non-Majors</td>
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<tr>
<td>SC 305</td>
<td>Theories of Comm</td>
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<td>SC 314</td>
<td>Argumentation &amp; Problem Solving</td>
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<td>SC 320</td>
<td>Group Discussion &amp; Decision-Making</td>
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<td>UI 345</td>
<td>Nonverbal Comm</td>
<td>3</td>
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<tr>
<td>UI 423</td>
<td>Political Comm</td>
<td>3</td>
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<tr>
<td>SC 590</td>
<td>Comm &amp; Attitudes</td>
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<tr>
<td>SC 160 or SC 161</td>
<td>Intercollegiate Debate</td>
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<td>SC 240/TH 140</td>
<td>Oral Interpretation</td>
<td>3</td>
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<td>SC 505</td>
<td>American Public Address</td>
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### RECREATION

#### 15 Hours Required

**Required Courses:**

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<tr>
<td>RC 140</td>
<td>Intro to Recreation Services</td>
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<tr>
<td>RC 288</td>
<td>Practicum in Rec Services</td>
<td>3</td>
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<td>RC 380</td>
<td>Programming for Rec Svcs</td>
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**Choose 3 Hours From:**

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<tr>
<td>RC 210</td>
<td>Camp Leadership</td>
<td>3</td>
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<tr>
<td>RC 220</td>
<td>Leadership &amp; Group Dynamics</td>
<td>3</td>
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<tr>
<td>RC 250</td>
<td>Found of Outdoor Recreation</td>
<td>3</td>
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<tr>
<td>RC 260</td>
<td>Intro to Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RC 270</td>
<td>Commercial Recreation</td>
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**Choose 3 Hours From:**

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<tr>
<td>RC 360</td>
<td>Thrtptc &amp; Adapted Rec Svcs</td>
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<tr>
<td>RC 385</td>
<td>Rec Facilities Planning &amp; Mgmt</td>
<td>3</td>
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<tr>
<td>RC 405</td>
<td>Trends &amp; Issues in Rec &amp; Leisure</td>
<td>3</td>
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<tr>
<td>RC 420</td>
<td>Organ &amp; Admin of Rec Services</td>
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### RELIGION

#### 18 Hours Required

**Required Courses:**

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<tr>
<td>PL 499</td>
<td>Independent Study in Philosophy</td>
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<td>RS 101</td>
<td>World Religions</td>
<td>3</td>
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<td>UI 336</td>
<td>Religion in America</td>
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**Choose 3 Hours From:**

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<tr>
<td>LI 222</td>
<td>Mythic Dimensions of Literature</td>
<td>3</td>
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<tr>
<td>RS 201</td>
<td>New Testament Literature</td>
<td>3</td>
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<tr>
<td>RS 202</td>
<td>Old Testament Literature</td>
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<td>Primitive Religions</td>
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<tr>
<td>PL 340</td>
<td>Philosophy of Religion</td>
<td>3</td>
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<tr>
<td>RS 350</td>
<td>Religious Topics &amp; Issues</td>
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<td>SO 350</td>
<td>Sociology of Religion</td>
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<tr>
<td>UI 415</td>
<td>Science &amp; Religion</td>
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### SMALL PRESS PUBLISHING

#### 18 Hours Required

**Required Courses:**

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<td>EN 275</td>
<td>Intro to Creative Writing</td>
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<tr>
<td>EN 311</td>
<td>Pract in Editing Lit Manuscript</td>
<td>3</td>
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<tr>
<td>EN 435</td>
<td>Internship in English</td>
<td>3</td>
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<tr>
<td>LI 301</td>
<td>Small-Press Publishing</td>
<td>3</td>
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<tr>
<td>TG 170</td>
<td>Intro to Graphics</td>
<td>3</td>
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**Choose 3 Hours From:**

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<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AR 208</td>
<td>Intro to Graphic Design</td>
<td>3</td>
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<tr>
<td>AR 209</td>
<td>Lettering, Typography, Desktop Pub</td>
<td>3</td>
</tr>
<tr>
<td>EN 470</td>
<td>Adv Creative Writ: Poetry</td>
<td>3</td>
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<tr>
<td>EN 478</td>
<td>Adv Creative Writ: Fiction</td>
<td>3</td>
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<tr>
<td>MC 310</td>
<td>Advertising Principles</td>
<td>3</td>
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<tr>
<td>MK 301</td>
<td>Princ of Mktg</td>
<td>3</td>
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<tr>
<td>TG 272</td>
<td>Electronic Publishing</td>
<td>3</td>
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### SOCIAL REHABILITATION AND TREATMENT

#### 21 Hours Required

**Required Courses:**

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<td>CJ 440</td>
<td>Thrs/Methods of Offndr Rehab</td>
<td>3</td>
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<tr>
<td>SR 444</td>
<td>Trtmt Strat: Alch/Drug Abuse</td>
<td>3</td>
</tr>
</tbody>
</table>
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Choose 3 Hours From:
- SR 448  Juv Just Trtmt/Intervention Strat (3)
- SW 110  Intro to Social Work (3)
- OR
- RC 260  Intro to Therapeutic Recreation (3)

Choose 6 Hours From:
- PY 325  Psych Devel of the Family (3)
- PY 440  Abnormal Psychology (3)
- RC 260  Intro to Therapeutic Recreation (3)
- RC 450  Outdoor Adventure as Treatment (3)
- SR 450  Wilderness Adventure Therapy (3)
- SW 315  Social Work Intervention (3)

SOCIAL WORK
15 Hours Required

Required Courses:
- SW 110  Intro to Social Work (3)
- SW 207  Undrstndng Cultr/Soc Diversity (3)

Choose 3 Hours From:
- SW 351  Child Welfare (3)
- SW 352  Social Work with the Aged (3)
- SW 355  Special Topics in Social Work (3)
- SW 389  Ind Study in Social Work (3)

Choose One Area of Emphasis (6 Hours):

SOCIAL WELFARE
- SW 2xx  Social & Economic Justice (3)
- SW 310  Social Welfare Policy & Issues (3)

SOCIAL WORK PRACTICE
- SW 307  Human Behav & Soc Envrnmt I (3)
- SW 315  Social Work Intervention (3)

SOCIOLGY

15 Hours Required

Required Course:
- SO 200  Intro to Social Organization (3)

Choose 12 Hours SO courses (At least 6 Hours must be 300-500 level)

SOILS
16 Hours Required

Required Courses:
- AG 551  Water Management (3)
- AO 120  Plant Science (4)
- AO 215  Soils (3)
- AO 427  Soil Fertility & Plant Nutrition (3)
- AO 555  Soil Classification/Resource Mgt (3)

Prerequisite:
- CH 181 or CH 185  Chemistry (5)

SPANISH
18 Hours Required

Required Courses:
- SN 100  Spanish Language & Culture I (3)
- SN 120  Spanish Language & Culture II (3)
- SN 200  Spanish Language & Culture III (3)
- SN 220  Hispanic Literature (3)

Choose 6 Hours SN courses (300-500 level)

SPORT MANAGEMENT
25 Hours Required

Required Courses:
- PE 201  Sport & Society (3)
- PE 235  Psych of Coaching & Human Perf (3)
- PE 238  Foundations, History, Phil of PE/ Sport Mgt (3)
- PE 460  Sports Administration I (3)
- SM 360  Sport Governance & Event Management (3)
- SM 370  Sport Management Practicum (3)
### Minors

**Southeast Missouri State University 2003-04**

| SM 540 | Legal Aspects of Sport & Phys Activity (3) |
| SM 570 | Mgmt & Leadership in Sport Org (3) |

Select one hour from the following:

| AT 142 | Weight Training I (1) |
| AT 164 | Golf I (1) |
| AT 176 | Tennis I (1) |
| AT 179 | Racquetball (1) |

### TECHNICAL THEATRE

22 Hours Required

**Required Courses:**

| TH/DA 105 | Rehearsal & Production (1) |
| TH 115 | Acting I (3) |
| TH 155 | Makeup (2) |
| TH 231 | Stagecraft I (3) |
| TH 251 | Costume Construction (3) |
| TH/DA 305 | Rehearsal & Production (1) |

**Choose 3 hours From:**

| TH 120 | Acting I (3) |
| TH 265 | Drawing for the Theatre (3) |

**Choose 6 Hours From:**

| TH 331 | Stagecraft II (3) |
| TH 350 | Stage Lighting I (3) |
| TH 351 | Costume Design I (3) |
| TH 361 | Scene Painting (3) |
| TH 371 | Scenic Design I (3) |
| TH 375 | Theatre Management (3) |
| TH 395 | Period & Style (3) |
| TH 450 | Stage Lighting II (3) |
| TH 451 | Costume Design II (3) |
| TH 471 | Scenic Design II (3) |

### TESOL

21 Hours Required

| EN 378 | Grammars of English (3) |
| EN 486 | Sociolinguistics (3) |
| TL 525 | Theories of Lang/Learn/Teach (3) |
| TL 425 | Develop Mats & Assess Tools for ESOL Classroom (3) |
| TL 530 | Practicum in TESOL (3) |
| TL 585 | Methods/Techniques of TESOL (3) |
| UI 500 | History of the English Language (3) |

### THEATRE ARTS

22 Hours Required

**Required Courses:**

| TH/DA 105 | Rehearsal & Production (1) |
| TH 115 | Acting I (3) |
| TH 155 | Makeup (2) |
| TH 231 | Stagecraft I (3) |
| TH 251 | Costume Construction (3) |
| TH/DA 305 | Rehearsal & Production (1) |

**Choose 3 hours From:**

| TH 120 | Acting I (3) |
| TH 265 | Drawing for the Theatre (3) |

**Choose 6 Hours From:**

| TH 375 | Theatre Management (3) |
| TH 385 | Directing I (3) |
| TH 490 | Theatre History I (3) |
| TH 495 | Theatre History II (3) |
| UI 385 | Musical Theatre: Origins to Present (3) |

### THEATRE PERFORMANCE

22 Hours Required

**Required Courses:**

| TH/DA 105 | Rehearsal & Production (1) |
| TH 115 | Acting I (3) |
| TH 155 | Makeup (2) |
| TH 231 | Stagecraft I (3) |
| TH 251 | Costume Construction (3) |
| TH/DA 305 | Rehearsal & Production (1) |

**Choose 3 hours From:**

| TH 120 | Acting I (3) |
| TH 265 | Drawing for the Theatre (3) |

**Choose 6 Hours From:**

| TH 310 | Solo Performance (3) |
| TH 315 | Stage Movement (3) |
| TH 320 | Stage Combat II (3) |
| TH 325 | Auditioning (3) |
Certificate Programs
Southeast Missouri State University 2003-04

WOMEN'S STUDIES
15 Hours Required
(See Dr. Mary Johnson (mvjohnson@semo.edu), Dept of Accounting & Management Information Systems for information.)

Required Courses:
WS 100 Introduction to Women’s Studies (3)
WS 300 Seminar: Issues in Women’s Studies (3)

Choose 9 Hours From:
LI 587 Women and Madness (3)
SC 365 Communication Between the Sexes (3)
UI 303 The Female Experience (3)
UI 332 Images of Women in Literature (3)
UI 406 Transforming the Female Experience (3)
UI 441 Feminist Spirituality (3)
US 210 Women in American History (3)

WRITING
15 Hours Required

Required Courses:
EN 140 Rhetoric & Critical Thinking (3)
EN 376 Advanced Composition (3)
EN 550 Style in Writing (3)

Choose 6 Hours From One Option:
EXPOSITORY WRITING
EN 300 Prof Written Communication (3)
EN 301 Writing Science/Technology (3)
EN 435 Internship (3)
EN 535 Rhet Theory/Written Discourse (3)

CREATIVE WRITING
EN 275 Intro to Creative Writing (3)
EN 515 Writing the Teleplay (3)

EN 470 Adv Creative Writing: Poetry (3)
EN 478 Adv Creative Writing: Fiction (3)

ZOOLOGY
16 Hours Required

Required Courses:
BI 190 Life Processes (4)
BI 225 Research Methods in Biology (3)
ZO 200 Animal Biology (3)

Choose 3 Hours From:
ZO 315 Comparative Anatomy (3)
ZO 331 Animal Physiology (3)
ZO 414 Developmental Biology (3)
ZO 420 Animal Behavior (3)
ZO 469 Vertebrate Adaptations (3)

Choose 3 Hours From:
ZO 441 Parasitology (3)
ZO 459 Mammalogy (3)
ZO 460 Herpetology (3)
ZO 465 Entomology (3)
ZO 466 Ornithology (3)
ZO 478 Ichthyology (3)

Certificate Programs

Short-term curricula are provided for students not planning to complete a four-year degree. Earned credit is applicable toward later completion of a degree. Students completing a short-term program are awarded appropriate certificates at that semester's graduation ceremony.

DEPARTMENT OF ACCOUNTING & M.I.S. CERTIFICATE TWO-YEAR ADMINISTRATIVE ASSISTANT PROGRAM

60 Hours Required

Required Courses:
AD 101 Intro to Micro Applications (3)
AD 222 Microcomp Appl for Business (3)
AD 224 Transcription Skills (3)
AD 331 Advanced Word Processing (3)
### Certificate Programs

**Southeast Missouri State University 2003-04**

#### ELECTRONICS PROGRAM

64 Hours Required

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 100</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ET 162</td>
<td>DC/AC Principles &amp; Circuits I</td>
<td>3</td>
</tr>
<tr>
<td>ET 164</td>
<td>DC/AC Principles &amp; Circuits II</td>
<td>3</td>
</tr>
<tr>
<td>MA 133</td>
<td>Plane Trigonometry</td>
<td>2</td>
</tr>
<tr>
<td>MA 134</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MN 170</td>
<td>Engineering Mat &amp; Testing</td>
<td>3</td>
</tr>
<tr>
<td>MN 203</td>
<td>Industrial Materials &amp; Processes I</td>
<td>3</td>
</tr>
<tr>
<td>MN 204</td>
<td>Industrial Materials &amp; Processes II</td>
<td>3</td>
</tr>
<tr>
<td>MN 354</td>
<td>Computer Aided Manuf (CAM)</td>
<td>3</td>
</tr>
<tr>
<td>MN 383</td>
<td>Fluid Power</td>
<td>3</td>
</tr>
<tr>
<td>PH 106</td>
<td>Physical Concepts</td>
<td>3</td>
</tr>
<tr>
<td>SC 105</td>
<td>Fund of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>TG 120</td>
<td>Computer Aided Eng.Graphics</td>
<td>3</td>
</tr>
<tr>
<td>TG 125</td>
<td>Print Reading for Industry</td>
<td>3</td>
</tr>
<tr>
<td>TG 220</td>
<td>Solid Modeling &amp; Rapid Prototype</td>
<td>3</td>
</tr>
<tr>
<td>TG 320</td>
<td>Architectural Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>TG 322</td>
<td>Architectural Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>TG 324</td>
<td>Design Modeling &amp; Processes</td>
<td>3</td>
</tr>
<tr>
<td>TG 326</td>
<td>Industrial Production Drafting</td>
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**Electives (6)**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EN 100</td>
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<td>ET 162</td>
<td>DC/AC Principles &amp; Circuits I</td>
<td>3</td>
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<tr>
<td>ET 164</td>
<td>DC/AC Principles &amp; Circuits II</td>
<td>3</td>
</tr>
<tr>
<td>ET 194</td>
<td>Intro to PLC’s</td>
<td>3</td>
</tr>
<tr>
<td>ET 260</td>
<td>Electr Circ Design/Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>ET 262</td>
<td>Electr Circ Design &amp; Analysis II</td>
<td>3</td>
</tr>
<tr>
<td>ET 364</td>
<td>Logic Circuits</td>
<td>3</td>
</tr>
<tr>
<td>PH 305</td>
<td>Digital &amp; Analog System Design</td>
<td>3</td>
</tr>
<tr>
<td>ET 468</td>
<td>Industrial Controls</td>
<td>3</td>
</tr>
<tr>
<td>IM 102</td>
<td>Technical Communication</td>
<td>3</td>
</tr>
<tr>
<td>IM 211</td>
<td>Industrial Safety Supervision</td>
<td>3</td>
</tr>
<tr>
<td>IM 311</td>
<td>Statistical Process Control</td>
<td>3</td>
</tr>
<tr>
<td>IM 315</td>
<td>Work Measurement</td>
<td>3</td>
</tr>
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</table>

#### DESIGN DRAFTING PROGRAM

65 Hours Required

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 180</td>
<td>Chemistry in Our World</td>
<td>3</td>
</tr>
<tr>
<td>EN 100</td>
<td>English Composition I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose one course from each of the following categories:**

- University Studies Economic Systems (3)
- University Studies Living (3)
- OR
- Logical Systems
- University Studies Political Systems (3)
- University Studies Social Systems (3)
Choose 12 Hours of electives

GRAPHIC TECHNOLOGY PROGRAM

63 Hours Required

Required Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 133</td>
<td>Plane Trigonometry</td>
<td>2</td>
</tr>
<tr>
<td>MA 134</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MN 260</td>
<td>Tech Computer Programming</td>
<td>3</td>
</tr>
<tr>
<td>PH 120</td>
<td>Introductory Physics I</td>
<td>5</td>
</tr>
<tr>
<td>SC 105</td>
<td>Fund of Oral Communication</td>
<td>3</td>
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</tbody>
</table>

Choose 6 Hours of electives

Required Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 104</td>
<td>Design Foundations</td>
<td>3</td>
</tr>
<tr>
<td>AR 201</td>
<td>Color Composition</td>
<td>3</td>
</tr>
<tr>
<td>AR 208</td>
<td>Intro to Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>AR 317</td>
<td>Communication Graphics</td>
<td>3</td>
</tr>
<tr>
<td>EN 100</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>IM 102</td>
<td>Technical Communication</td>
<td>3</td>
</tr>
<tr>
<td>IM 211</td>
<td>Industrial Safety Supervision</td>
<td>3</td>
</tr>
<tr>
<td>IM 318</td>
<td>Internship</td>
<td>6</td>
</tr>
<tr>
<td>MC 201</td>
<td>News Writing</td>
<td>3</td>
</tr>
<tr>
<td>MC 322</td>
<td>Editing</td>
<td>3</td>
</tr>
<tr>
<td>TG 120</td>
<td>Computer Aided Eng.Graphics</td>
<td>3</td>
</tr>
<tr>
<td>TG 170</td>
<td>Intro to Graphics</td>
<td>3</td>
</tr>
<tr>
<td>TG 272</td>
<td>Electronic Publishing</td>
<td>3</td>
</tr>
<tr>
<td>TG 274</td>
<td>Photography Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>TG 374</td>
<td>Digital Imaging &amp; Editing</td>
<td>3</td>
</tr>
<tr>
<td>TG 376</td>
<td>Multimedia &amp; Animation</td>
<td>3</td>
</tr>
<tr>
<td>TG 422</td>
<td>Multicolor Print Processes</td>
<td>3</td>
</tr>
<tr>
<td>TG 472</td>
<td>Advanced Graphics Projects</td>
<td>3</td>
</tr>
</tbody>
</table>
Course Listings
## Course Listings

**COURSES ARE LISTED ALPHABetically**
**By NAME OF DISCIPLINE**

(Course numbers which have been changed since the 2002 BULLETIN are listed in parenthesis.)

- Accounting (AC)
- Administrative Services (AD)
- Aerospace Studies (AS)
- Agriculture (AG)
- Agronomy (AO)
- Animal Science (AY)
- Anthropology (AI, AN)
- Art (AR)
- Art History (AH)
- Biological Sciences (BS)
- Biology (BI)
- Biology Gulf Coast Research Laboratory
- Botany (BO)
- Business Administration (BA)
- Business Law (BL)
- Chemistry (CH)
- Child & Family (CF)
- Clothing & Textiles (CT)
- Coaching Education (CG)
- Communication Disorders (CD)
- Communication Studies (SC)
- Computer Science (CS)
- Construction Management (CM)
- Counseling Programs (CP)
- Criminal Justice (CJ, CO, LE)
- Dance (DA)
- Early Childhood Education (CE)
- Economics (EC)
- Education (ED)
- Educational Administration (EA)
- Educational Foundations (EF)
- Educational Media (EM)
- Electronics Technology (ET)
- Elementary Education (EL)
- Engineering Physics (EP)
- English (EN)
- Environmental Science (EV)
- Exceptional Child Education (EX)
- Family Economics & Management (FE)
- Finance (FI)
- Food & Nutrition (FN)
- Foreign Language (FL)
- Forensic Science (FS)
- French (FR)
- Geography (GG)
- Geosciences (GO)
- German (GN)
- Health & Leisure (HL)
- Historic Preservation (HP)
- History, General (GH)
- History, United States (US)
- History, World (WH)
- Horticulture (HO)
- Housing & Interior Design (HI)
- Human Environmental Studies (HE)
- Industrial Education (IE)
- Industrial Management (IM)
- Information Systems (IS)
- International Education (IN)
- Japanese (JN)
- Literature (LI)
- Management (MG)
- Management Information Systems (MI)
- Manufacturing Engineering Technology (MN)
- Marketing (MK)
- Mass Communication (MC)
- Mathematics (MA)
- Medical Technology (MT)
- Music (ME, MH, MM, MP, MU)
- Nursing (NS)
- Philosophy (PL)
- Physical Activity (AT)
- Physical Education (PE)
- Physics (PH)
- Political Science (PI, PS)
- Psychology (PY)
- Quantitative Methods (QM)
- Recreation (RC)
- Religion (RS)
- Secondary Education (SE)
- Social Rehabilitation (SR)
- Social Work (SW)
- Sociology (SI, SO)
- Spanish (SN)
- Sport Management (SM)
- Technical Graphics (TG)
- TESOL (TL)
- Theatre (TH)
- University Studies (UI)
- Women’s Studies (WS)
- Writing Proficiency (WP)
- Zoology (ZO)
Accounting (AC)

AC 200. Survey of Accounting.
A survey course combining financial and managerial accounting as a unified body of knowledge and management's use of accounting information. Can not be applied toward major or minor requirements in business. (3)

a study of financial accounting. The valuation of assets, liabilities, owner's equity, revenues, and expenses is detailed. Prerequisites: AD 101 with a minimum grade of 'C'; MA 134 with minimum grade of 'C'; sophomore standing. (3)

AC 222. Principles of Managerial Accounting.
Examines the principles and procedures of management accounting. Topics include cost-volume-profit analysis, budgeting, standard costing, responsibility accounting, and quantitative techniques. Prerequisite: AC 221 with minimum grade of 'C'. (3)

AC 321. Intermediate Accounting I.
Financial statements of a business enterprise with an emphasis on classification and determination of the contents and values of accounts. Prerequisite: AC 222 with minimum grade of 'C'. (3)

Analysis of the role of accounting information systems within an organization operating environment and the computer's effects on these systems. Prerequisites: AC 222 with minimum grade of 'C'; IS 175 or MI 375 with minimum grade of 'C'. (3)

AC 331. Cost/Managerial Accounting.
General principles, job order, process and standard costs. Prerequisite: AC 222 with minimum grade of 'C'. (3)

AC 332. Intermediate Accounting II.
Financial accounting theory and procedures concerning long-term liabilities, stockholder's equity, revenue recognition and statement of cash flows. Prerequisite: AC 321 with minimum grade of 'C'. (3)

AC 339. Managerial Accounting.
Analysis and interpretation of management accounting planning, controlling and decision-making. Prerequisite: AC 222 with minimum grade of 'C'. (3)

AC 375. Financial Statement Analysis.
Examines the primary financial statements. Topics include user objectives, an overview of analytical tools and techniques, and qualitative vs. quantitative judgments. Prerequisite: FI 361 with minimum grade of 'C'. (3)

Federal tax accounting. Emphasis on current laws, rules and regulations, particularly relating to individuals. Prerequisite: AC 222 with minimum grade of 'C'; junior standing. (3)

AC 437. Auditing.
Auditing theory, procedures and practices. Prerequisite: 18 hours accounting with minimum grade of 'C' or consent of department. (3)

AC 473. Internship in Accounting.
A supervised learning and work experience in professional accounting which enhances accounting courses taken on campus. On demand. (3)

AC 481-483. Problems in Accounting.
Directed study of special problems in accounting through seminars, workshops, forums, etc. On demand. (1-3)

AC 491-493. Independent Study in Accounting.
Intensive study of special problems related to accounting. Prerequisite: Consent of department. On demand. (1-3)

AC 531. Strategic Cost/Managerial Accounting.
Cost/managerial accounting procedures emphasizing cost allocation methods, cost control, regression analysis, decision models, and operations research. Prerequisite: AC 331 with minimum grade of 'C'. (3)

AC 540. International Perspectives of Accounting.
An examination of accounting rules and practices of multinational enterprises throughout the world with special emphasis on harmonization, standardization, and disclosure requirements. Prerequisites: AC 222 with minimum grade of 'C'; senior standing. (3)

The examination and application of federal income tax theory and methods with emphasis on partnership, corporation and fiduciary problems. Prerequisite: AC 435 with minimum grade of 'C'. On demand. (3)

AC 548. Governmental and Not-for-Profit Accounting.
An introduction to the accounting principles and reporting practices of governments and not-for-profit organizations. Prerequisites: AC 222 with minimum grade of ‘C’ and Senior standing. (3)
See University Studies (UI) listings for description of: UI 316. Contemporary Legal Studies. (3)

### Administrative Services (AD)

**AD 101. Introduction to Microcomputer Applications.**
Fundamentals of an integrated business applications program in a networked Windows environment. For students with no Windows/applications experience. Prerequisite: Keyboarding recommended. (3)

**AD 195. Integrating Academics into Vocational Curricula.**
Development of vocational curricular materials designed to integrate academics into vocational subjects. Prerequisite: Missouri Vocational Certification or consent of instructor. (2)

**AD 222. Microcomputer Applications for Business.**
Using the microcomputer to perform business applications using word processing, web page, page design, spreadsheet, database, and presentation software. Prerequisite: AD 101 with a minimum grade of ‘C.’ (3)

**AD 224. Transcription Skills.**
Develop skills in machine transcription with emphasis on mailable documents. Includes specialized transcription for legal offices. Prerequisite: AD 101 or equivalent. (3)

**AD 323. Administrative Information Systems.**
An overview of information systems including major technologies that support information creation, storage, retrieval, manipulation, and distribution. Prerequisite: AD 222 with a minimum grade of ‘C’. (3)

**AD 331. Advanced Word Processing.**
Refinement of word processing production, straight copy, and accuracy skills. Prerequisite: AD 101 with a minimum grade of ‘C’. (3)

**AD 337. Administrative Systems Management Internship.**
Training and work experience in an approved administrative services position, supervised by a departmental representative. Prerequisites: Cum GPA of 2.75; 12 hours of AD prefix courses. (3)

**AD 339. Network Support Systems.**
A technical overview of local area network (LAN) systems including a theoretical framework and hands-on experience with networking technology. Prerequisite: AD 101. (3)

**AD 341. Information Systems Procedures.**
Integration of specialized procedures to manage information support systems. Prerequisite: AD 331. (3)

**AD 353. Administrative Systems Management.**
Organization and management of administrative information systems with emphasis on the skills, knowledge and role of the administrative systems manager. (3)

**AD 422. Training in Administrative Systems.**
Application of instructional development for the education and training of employees in administrative systems. Prerequisites: AD 222 with minimum grade of ‘C’; junior standing. (3)

**AD 491-493. Independent Study in Administrative Services.**
Intensive study of special problems related to Business Education and Administrative Systems Management. Prerequisite: Department approval. (1-3)

See University Studies (UI) listings for description of: UI 301. Managerial Communication Processes. (3)

### Aerospace Studies (AS)

**AS 100 Foundation of the USAF I.**
A survey course designed to introduce students to the U.S. Air Force and Air Force Reserve Officer Training Corps. Featured topics include missions and organization of the Air Force, military customs and courtesies, officership and professionalism, and officer careers. Corequisite: AS 199. (1)

**AS 101. Foundation of the USAF II.**
A continuation of topics taught in AS 100 plus topics in communication skills, military history, organizational/chain of command, and group leadership problems. Corequisite: AS 199. (1)

**AS 199. Leadership Laboratory.**
### Agriculture (AG)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS 200</td>
<td>USAF Air &amp; Space Power I.</td>
<td>A survey course designed to facilitate the transition from ROTC cadet to ROTC candidate. Featured topics include continuing application of communication skills, AF heritage and leaders, and group leadership problems. Corequisite: AS 299. (1)</td>
</tr>
<tr>
<td>AS 201</td>
<td>USAF Air &amp; Space Power II.</td>
<td>A continuation of topics taught in AS 200 plus topics in ethics and values, introduction to leadership, quality fundamentals and group leadership problems. Corequisite: AS 299. (1)</td>
</tr>
<tr>
<td>AS 203</td>
<td>AFROTC Field Training.</td>
<td>Five-week summer officer training program on an Air Force base for selected students designated for AFROTC Professional Officer Course. (4)</td>
</tr>
<tr>
<td>AS 299</td>
<td>Leadership Laboratory.</td>
<td>Training laboratory concurrent with AS 200 and AS 201. Emphasizes drill and ceremonies; provides preparation for Field Training and applied leadership experiences in class. (0)</td>
</tr>
<tr>
<td>AS 300</td>
<td>AF Leadership Studies I.</td>
<td>A study of leadership and quality management fundamentals, professional knowledge, leadership ethics, and communication skills required of an Air Force officer. Corequisite: AS 399. (3)</td>
</tr>
<tr>
<td>AS 301</td>
<td>AF Leadership Studies II.</td>
<td>A continuation of the topics taught in AS 300 plus officer values, standards of conduct, principles of war and case studies as a means of demonstrating and exercising practical application of the concepts being studied. Corequisite: AS 399. (3)</td>
</tr>
<tr>
<td>AS 399</td>
<td>Leadership Laboratory.</td>
<td>Training laboratory concurrent with AS 300 and AS 301. Provides advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of the course. (0)</td>
</tr>
<tr>
<td>AS 400</td>
<td>National Security Affairs.</td>
<td>A study of the national security process, regional studies, Air Force doctrine, civilian control of the military, military operations, joint operations, communication skills. Corequisite: AS 499. (3)</td>
</tr>
<tr>
<td>AS 401</td>
<td>Preparation for Active Duty.</td>
<td>A continuation of the topic taught in AS 400 plus topics in advanced leadership ethics, the military as a profession, officership, military justice and current issues affecting military professionalism. Corequisite: AS 499. (3)</td>
</tr>
</tbody>
</table>

### Agriculture (AG)

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Description</th>
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<tbody>
<tr>
<td>AG 201</td>
<td>World Food and Society.</td>
<td>Food production and distribution for the advancement of societies in developed and developing countries. (University Studies course) (3)</td>
</tr>
<tr>
<td>AG 230</td>
<td>Agricultural Power and Machinery.</td>
<td>Principles of gasoline and diesel-engine operation, fuels, and electrical systems. Selection, operation and management of agricultural machinery. Two lectures; two-hour lab. (3)</td>
</tr>
<tr>
<td>AG 245</td>
<td>Agricultural Economics.</td>
<td>Economic principles and policies related to agriculture production and the food sector of the US economy. (3)</td>
</tr>
<tr>
<td>AG 250</td>
<td>Agribusiness Management.</td>
<td>The role, organization, and basis for making economical and financial decisions within agribusiness. (3)</td>
</tr>
<tr>
<td>AG 290</td>
<td>Economic Entomology.</td>
<td>Scientific principles and integrated pest management practices associated with control of insects and related pests. Two lectures; One hour lab. (3)</td>
</tr>
<tr>
<td>AG 330</td>
<td>Crop Drying and Conditioning.</td>
<td>A study of quality control for stored crops, equipment and facilities, and principles of crop drying and conditioning. (3)</td>
</tr>
<tr>
<td>AG 331</td>
<td>Agricultural Structural Systems.</td>
<td>Farmstead and building planning. Materials, sanitation, ventilation and convenience. Two lectures; two-hour lab. (3)</td>
</tr>
<tr>
<td>AG 333</td>
<td>Agricultural Law.</td>
<td>Study of statutes, cases and administrative regulations of agricultural concern. Application of laws significant to business and operations of producers. (3)</td>
</tr>
<tr>
<td>AG 334</td>
<td>Agribusiness Finance.</td>
<td>A study of the national security process, regional studies, Air Force doctrine, civilian control of the military, military operations, joint operations, communication skills. Corequisite: AS 499. (3)</td>
</tr>
</tbody>
</table>
Study of the acquisition and use of capital for farm and other agribusiness firms, including financial decision-making, risk management, and capital budgeting. Examination of the financial intermediaries serving agriculture. Prerequisites: AC 221, MA 223. (3)

AG 355. Agriculture Seminar.
Literature review, presentation, and discussion of topics related to current agricultural issues, recent advancements in agricultural research, and student-interest items related to professional development. Prerequisite: Junior standing. (1)

AG 371-373. Topics in Agriculture.
Special topics in agriculture typically unavailable in the departmental curriculum such as precision agriculture, clay mineralogy or forest soils. (1-3)

AG 433. Agricultural and Food Policy.
The U.S. policy process as it relates to food and agricultural issues. Analysis of domestic farm, food, and resource policy as well as international trade and market development issues. Prerequisites: AG 245 or EC 215, and EC 225. (3)

AG 447. Marketing Agricultural Products.
Emphasis is placed on alternatives in marketing products and problems which may be encountered. Managing risk using the futures market is also emphasized. Prerequisites: AG 245 or EC 215; EC 225. (3)

AG 450. Agricultural Management.
Application and budgeting procedures and planning techniques to analyze/compare the economic investments in modern farming systems and evaluate economic consequences of major adjustments. Two lectures; two-hour lab. Prerequisites: AG 245 or EC 215 and EC 225. (3)

AG 461-462 Independent Study in Agriculture.
Directed individual study of special interest areas in agriculture. Prerequisite: 75 hours completed; 2.5 cumulative GPA or 2.75 in major; minimum of 10 hours in discipline to be studied; consent of department chairperson and college dean. (1-2)

AG 465-466. Agriculture Internship.
Cooperative program between the department and an organization (employer) that furnishes facilities and instruction where students acquire additional knowledge and skills. AG 465 and AG 466 may be repeated for a maximum of 12 hours credit. Prerequisite: Consent of internship advisor. (3-6)

AG 469. Undergraduate Research.
Supervised individual research on a problem of interest to the student. A report is required. May be taken more than once. (3)

AG 470. Agribusiness Sales.
The sales sequence and skills needed to build professional relationships. (3)

AG 551. Water Management.
Soil, water and plant relationships. Design and layout of farm drainage and irrigation systems. (3)

Agronomy (AO)

AO 120/020. Plant Science.
Scientific principles and practices used in producing, handling, processing, marketing and utilizing agronomic and horticultural plants. Three lectures (AO 120) and two-hour lab (AO 020) must be taken concurrently. (4)

Origin, classification, and physical, chemical and biological properties in relation to farm practices. Two lectures (AO 215) must be taken concurrently with two-hour lab (AO 015). Prerequisite: CH 181/001/081 or CH 185/005/085. (3)

The principles of cereal and oil seed production, with particular attention to wheat, grain sorghum, corn, and soybeans. Prerequisite: AO 120/020 or BO 200. (3)

Integration of pest-control methods to improve control, decrease costs and minimize environmental impact. Prerequisite: AO 120/020 or BO 200. (3)

AO 321. Cotton and Rice Culture.
The production and marketing principles governing the growth and development of cotton and rice crops. Prerequisite: AO 120/020 or BO 200. (3)

AO 322. Weed Science.
Identification, dissemination, ecology and control of weeds. Techniques of herbicide application, types of herbicides and herbicidal action. Two lectures; two-hour lab. Prerequisites: AO 120/020; CH 181/001/081 or CH 185/005/085. (3)

AO 323. Plant Pathology.
Animal Science (AY)

AO 325. Agrichemical Management.
The study of the chemical and physical properties, usage, legal attributes, and health risks of agricultural chemicals. Two lectures. Prerequisites: AG 290, CH 234. (2)

AO 341 (Cross-listed as HO 341). Vegetable Production.
The fundamental principles involved in the production of vegetable crops for wholesale or retail markets. Vegetable production in home gardens is also studied. Two hours lecture; two-hour lab. Prerequisite: AO 120/020 or BO 200. (3)

AO 420. Crop Physiology.
Study of the physiological processes underlying crop growth and production. Three lectures. Prerequisites: AO 120; AO 215; MA 134. (3)

Fundamentals and concepts of soil fertility and its evaluation related to soil management, plant nutrition and maintenance. Two lectures; two-hour lab. Prerequisites: AO 215/015; CH 181/001/081 or CH 185/005/085. (3)

AO 430 (Cross-listed as HO 430). landscapes and Turfgrass Management.
Establishing and maintaining plantings on athletic fields, golf courses, parks, lawns, and commercial grounds. Three lectures; two-hour lab. Prerequisite: AO 120/020 or BO 200. (4)

Principles and practices associated with the conservation of soils and the control of accelerated erosion. Three lectures. Prerequisites: MA 134; AO 215 or GO 110 or BI 332. (3)

AO 555 (Cross-listed as GO 555). Soil Classification and Resource Management.
Classification of soils in terms of their physical, chemical and mineralogical composition. Interpretation of soils in terms of proper land use, with special attention to soil erosion. Two lectures; two-hour lab. Prerequisites: AO 215/015 or GO 110; CH 181/001/081 or CH 185/005/085. (3)

Animal Science (AY)

Development and fundamentals of livestock industry. Types of breeds, genetics, physiology, nutrition and products of cattle, sheep, horses, poultry and swine. Four lectures (AY 101) and two-hour lab (AY 001) must be taken concurrently. (5)

AY 204. Animal Nutrition.
Principles of animal nutrition and their application. Two lectures; two-hour lab. Prerequisites: AY 101/001; CH 181/001/081 or CH 185/005/085. (3)

AY 205. Horse Science.
Feeding and management practices in horse care and production. Two lectures; two-hour lab. (3)

General introduction and history of nutrition for animals and man; general functions, deficiencies and toxicities of the six classes of nutrients (water, protein, carbohydrates, lipids, minerals and vitamins): general digestion, absorption, utilization and excretion of these classes of nutrients in cattle, sheep, swine and horses. Two lectures; two-hour lab. Prerequisites: AY 101/001. (3)

AY 305. Advanced Horse Science.
Advanced management practices in horse care, feeding, and reproduction. Two lectures; two-hour lab. (3)

AY 311. Animal Breeding.
The application of principles of animal genetics and reproduction for the improvement of farm animals. Two lectures; two-hour lab. Prerequisite: AY 101/001. (3)

AY 405. Beef Production.
Breeding, feeding, and management of purebred and commercial cattle. Two lectures; two-hour lab. Prerequisite: AY 204 or AY 304. (3)

AY 406. Swine Production.
Breeding, feeding and management of commercial and purebred swine. Prerequisite: AY 204 or AY 304. (3)

AY 408. Dairy Production.
Breeding, feeding and management of dairy cattle and the marketing of dairy products. Two lectures; two-hour lab. Prerequisite: AY 204 or AY 304. (3)

The basic principles of Meat Science as applied to meat-producing species; the meat industry and the retail and
institutional purchasing of meat. Two lectures; two-hour lab. (3)

**Anthropology (AI, AN)**

**AI 496. Anthropology Internship.**
Internship with a public or private agency providing first-hand experience in the application of anthropological skills. Prerequisites: 24 hours of AN courses; AN 493; SO 490. (6)

**AN 100. Foundations of Human Behavior: Sex and Aggression.**
Examines biological and cultural foundations of sex and aggression, with an emphasis on critical examination of the popular media. (University Studies course) (3)

**AN 101. Observing Other Cultures.**
Trains students in basic scientific methods of observing cultural and social behavior. Provides foundation for anthropological study of culture. (University Studies course) (3)

**AN 180. Introductory Anthropology: Physical Anthropology and Archaeology.**
Human physical and cultural evolution, biological evidence of fossil humans, origins of social life, origins of stone tools, agriculture and cities. (3)

**AN 181. Introduction to Cultural Anthropology.**
Worldwide survey of family and marriage, arts, languages and religions. Why cultures and their people differ. (3)

**AN 241. Introduction to Linguistic Anthropology.**
Explores the origin and development of human language, and the relationship of language to other aspects of culture. Prerequisite: AN 181 or consent of instructor. (3)

**AN 242. (Cross-listed as SO 242.) Statistics for Social Scientists.**
Basic descriptive statistics in social science. Central tendency, dispersion, contingency, correlation, regression. Inferential statistics, parametric and nonparametric. (3)

**AN 250. World Archaeology.**
Humankind before recorded history, cultures from stone age to civilization in China, India, Africa, Egypt, Mesopotamia, Mexico and Peru. Prerequisite: AN 180 or AN 181 or consent of instructor. (3)

**AN 260. World Cultures.**
Ecology and evolution of human cultures from Africa, Asia, South America, South Pacific, typical life in each area, uniqueness of cultures. Prerequisite: AN 180 or AN 181 or consent of instructor. (3)

**AN 280. Economic Anthropology.**
Economic activities of traditional and non-Western societies; economic behavior and political, social and religious life. Prerequisite: AN 180 or AN 181 or consent of instructor. (3)

**AN 311-313. Archaeological Fieldwork.**
On-location study of different, excavation methods and techniques for recovery of archaeological artifacts. Students will practice the use of field and laboratory equipment. Prerequisite: An 180 or consent of instructor. (1-3)

**AN 317. Ethnographic Field Methods.**
An overview of the qualitative methods of studying culture used by social scientists. Students practice using these methods in real-life situations. Prerequisite: AN 181. (3)

**AN 319. Archaeology Laboratory.**
Students will learn basic laboratory techniques and procedures used in the identification, preservation, and analysis of various types of prehistoric artifacts. Prerequisite: AN 180 or consent of instructor. (3)

**AN 321. Midwestern Archaeology.**
Traces the prehistory of Missouri from earliest mankind in the Ice Age to the arrival of the first Europeans. Examines types and varieties of artifacts that can be found in Missouri and what they explain about prehistoric life. Prerequisite: AN 180 or AN 250. (3)

**AN 331-333. Applied Anthropology.**
On-location application of the anthropological perspective, including ethnographic techniques of systematic participant observation, ethnographic interviewing, unobtrusive and naturalistic observations, language learning and analysis. Data analysis and write-up and applied (public) uses of ethnographic research. Prerequisite: AN 101 or AN 181 or consent of instructor. (1-3)

**AN 345. (Cross-listed as SO 345.) Methods of Social Research.**
Survey research methods. Observational, nonintrusive methods, and experimental design. Formulate problems, select appropriate method, analyze results and present findings. Prerequisites: SO 240 or AN/SO 242. (3)
AN 346. (Cross-listed as SO 346.) Applied Social Research.
Trains students to apply the most common quantitative and qualitative social research methods. Includes planning, managing, and presenting research. Prerequisite: AN/SO 345. (3)

AN 355. Special Topics in Anthropology.
Explores recent scientific developments and topics of current popular interest or of a specialized nature in prehistory, public archaeology, archaeological methods and techniques. Prerequisite: AN 180 or AN 250. (3)

AN 360. Meso-American Civilizations.
Study of Aztec, Maya and other important Meso-American civilizations and cultures before and after European contact. Prerequisite: AN 180 or AN 181 or consent of instructor. (3)

AN 380. Human Evolution and Adaptation.
Biological origins of humans, anatomy of earlier humans, relationship between apes and humans, racial variation, genetic and physical adaptation. Prerequisite: AN 180 or AN 181 or consent of instructor. (3)

AN 381. North American Archaeology.
Origin and development of Indian cultures before recorded history, earliest migration into the new world, European contact. Uses archaeological techniques. (3)

AN 382. Archaeology: Method and Theory.
A general introduction to the theories, methods, and practice of archaeology. Prerequisite: Junior standing. (3)

AN 383. Cultures of the Third World.
Examines the traditional lifestyles, religions, families, economics and politics of Third World peoples and how they affect and are affected by larger world community. Prerequisite: AN 181 or AN 260. (3)

Prehistoric Indian culture through settlement and expansion of American frontier. Indian lifestyles today. Prerequisite: AN 180 or AN 181 or consent of instructor. (3)

Directed individual study of special interest areas. (1-3)

AN 390. European Prehistory.
Ancient Europe, development of pagan cultures, roots of classical civilizations, influences of near East on prehistoric Europe. (3)

AN 493. General Anthropology Theory.
Traces the development of anthropological theory and examines the effect of anthropological theories on other academic fields. (3)

AN 495. (Cross-listed as SO 495.) Senior Seminar.
Students will research and analyze an issue of anthropological concern, with emphasis on bringing together theory and method. (3)

Examines cultural resource proposal writing, budgeting, project design and field/laboratory strategies, as well as governmental policies, laws and review. Prerequisites: Junior standing; consent of instructor. (3)

AN 550. Historic Archaeology.
Intensive examination of major issues in the development of historical archaeology, theoretical and methodological issues, and major areas of research. Prerequisites: Junior standing; major in archaeology, history, or historic preservation. (3)

AN 551. Historic Archaeology Field School.
Historic archeological survey and excavation; intensive instruction in recovery and documentation of cultural remains; public interpretation of excavation; practice in archival research. Prerequisite: Junior standing or consent of instructor. (6)

Art(AR)

AR 001. Freshman Core Review.
Art majors pursuing the BA degree, the BFA degree, or the BS in Education degree must pass the foundation review after completion of the 21 credit hour foundation program (AH 110, AH 210, AR 100, AR 104, AR 106, AR 201, AR 202) and before taking upper level or advanced art courses. Core review should be completed before the end of the sophomore year. See advisor for details. No credit.

AR 100. Drawing I.
A foundation in objective drawing skills including proportional and spatial accuracy, perspective, line, value and light and shade and formal logic and composition.
Drawing is the essential vehicle for visual invention and the creative process. (3)

**AR 104. Design Foundations.**
Theory and application of the elements and principles of design with emphasis on black and white. (3)

**AR 106. Three-D Foundations.**
Core course required for students majoring in art in Art Education, 2-D, 3-D, Graphic Design and the B.F.A. It explores height, width, depth, volume and gravity in three-dimensional form. Basic techniques and media are used as a foundation for development of ideas and implementation in mid-level and advanced 3-D problems. Sculpture, ceramics, and fibers are built upon this course. (3)

**AR 108. Drawing In Society.**
A course combining studio drawing with the study of how art incorporates and communicates the experiences and values of society. No credit toward BFA major. (University Studies course) (3)

**AR 109. Practical Design and Color.**
A studio course for non-art majors which places emphasis upon investigation of the elements of design, particularly form, color, and texture. (3)

**AR 111. Ceramics: A Metaphor For Understanding Human Experience.**
Ceramic design, form and functions will be explored to gain an enhanced understanding of human experience through the ages. No credit toward BFA major. (University Studies course) (3)

**AR 112. Perspectives in Art.**
Understanding the role of contemporary and historical art in enriching the human experience; No credit toward BFA major. (University Studies course) (3)

**AR 201. Color Composition.**
Theory and application of color as it applies to two-dimensional art. Prerequisite: AR 104 or AR 109. (3)

**AR 202. Drawing II: Human Figure.**
Problems in drawing with emphasis on the human figure. Prerequisite: AR 100. May be repeated for additional credit. (3)

**AR 207. Practical Drawing.**
A basic drawing course for individuals requiring drawing and visualization skills for their professions. (3)

**AR 208. Introduction to Graphic Design.**
An introductory study of the principles and practices of graphic design, layout and typography as used in contemporary media. Fall only. Prerequisites: AR 001 or consent of instructor. (3)

**AR 209. Lettering, Typography and Desktop Publishing.**
An introduction to letter form and typography as they relate to typographic design, both historically and in the computer environment. Spring only. Prerequisites: AR 001; AR 104; AR 208; or consent of instructor. (3)

**AR 270. Art for the Elementary Teacher.**
A study of the child's creative art growth in early childhood, upper elementary and middle school levels. Also an examination and development of relevant and effective art education programs. (3)

**AR 302. Printmaking.**
Relief, intaglio and lithographic processes for the beginning printmaker. Prerequisites: AR 001. May be repeated for additional credit. (3)

**AR 303. Screenprinting.**
An introduction to basic screenprinting techniques and the production of editions. Prerequisites: AR 001 or consent of instructor. May be repeated for additional credit. (3)

**AR 306. Advertising Illustration.**
An advanced study in techniques and methods of producing illustrations in the field of advertising art. Prerequisites: AR 001; AR 208; AR 209. Fall only. (3)

**AR 308. Publication Design.**
An advanced study of layout and design procedures for the visual designer with emphasis upon portfolio development. Prerequisite: AR 001; AR 208; AR 209. May be repeated for additional credit. Spring only. (3)

**AR 309. Advertising Illustration II.**
The advanced study of contemporary techniques and methods for producing illustrations. Prerequisite: AR 306. Spring only. (3)

**AR 313. New Genre.**
An introduction to new types of 3-D design: performance; community art; video; multimedia; installations; sound; and other non-traditional “in the round” art forms and issues. Students will gain a well-developed background in current contemporary art issues and an understanding of how performance and New Genre draws from Sculpture, Painting, Theatre, Dance Music and Society. Prerequisite: AR 001. (3)
Problems in drawing with emphasis on advanced applications of basic drawing skills and strategies. May be repeated for additional credit. Prerequisites: AR 001. (3)

AR 315. Three Dimensional Design.
Fundamental exploration of the elements and principles of design as they relate to three dimensional form. Prerequisite: AR 001; AR 104. (3)

AR 316. Advanced Graphic Design.
An advanced study of the concepts and production techniques of graphic design. Prerequisite: AR 001; AR 208; AR 209. May be repeated for additional credit. Fall only. (3)

AR 318. Graphic Design Internship.
Professional design experience in an appropriate work setting. Prerequisites: AR 001; AR 208; AR 209; AR 308; AR 316. (3)

AR 320. Watercolor I.
A beginning course in the use of transparent watercolor. Prerequisite: AR 001; AR 100. (3)

AR 325. Painting.
A beginning study of basic techniques and use of oil or polymer paints with emphasis upon contemporary styles. Prerequisites: AR 001; AR 100; AR 201. (3)

AR 330. Fibers I.
A fibers survey including weaving, floorloom weaving, dying processes, and/or fiber sculpture. Prerequisite: AR 001 or consent of instructor. (3)

AR 332. Sculpture I.
A study in three-dimensional design. Various materials will be explored in a working experience of form, space, color, texture, line and shape. Prerequisite: AR 001 or consent of instructor. (3)

AR 342. Ceramics I.
A beginning course in ceramic design with emphasis upon hand-built construction and glazing processes. Prerequisite: AR 001 or consent of instructor. (3)

AR 352. Museum Internship in Art.
The internship may be taken for three (3) credit hours or 120 work hours and may be repeated for a maximum of 9 hours. Prerequisite: AR 001. (3)

Directed individual study to further develop previously learned processes. Prerequisite: AR 001; AR 302 or AR 303; AR 313; AR 314; AR 325; AR 330; AR 332; AR 342. (1-3)

An introductory course covering photographic progression, multi-image projections, large-scale computer prints, video, sounds, kinetic art, and basic computer applications. Students will be introduced to Adobe Photoshop, Lightwave 3-D and Final Cut Pro for Video Editing, as well as other scanning and image manipulation software. Required for 3-D animation majors. May be repeated for additional credit. (3)

AR 376. 3-D Digital Animation.
An introductory course to the study of 3-D animation on the Macintosh computer. Emphasis will be on the more advanced use of 3-D modeling, scanning and images manipulation in creative animated sequences. May be repeated for additional credit. Prerequisite: AR 375. (3)

AR 421. Watercolor II.
Advanced watercolor techniques and mixed media covered. May be repeated for additional credit. Prerequisite: AR 001; AR 320. (3)

AR 426. Advanced Painting.
An advanced exploration of painting media. Prerequisites: AR 001; AR 325. May be repeated for additional credit. Spring only. (3)

AR 431. Sculpture II.
An in-depth exploration of carving, modeling, constructing and casting techniques. Prerequisites: AR 001; AR 332. May be repeated for additional credit. (3)

AR 441. Ceramics II.
An intermediate course in ceramics with emphasis upon wheel throwing, glaze formulation and kiln firing. Prerequisites: AR 001; AR 342 or consent of instructor. May be repeated for additional credit. (3)

AR 450. Senior Exhibition/Senior Portfolio.
Preparation and practical career guidance in the visual arts for the graphic designer. Students prepare a portfolio and resume and investigate the art/job market. Taken in fall semester prior to graduation. Required on BFA Graphic Design emphasis. Prerequisite: AR 001. Fall semester only. (2)

AR 501. Intaglio Printmaking.
A course in intaglio processes and edition printing. Prerequisite: AR 001; AR 302. (3)

AR 502. Lithography Printmaking.
A course in the techniques of lithography and the development of personal expression. Prerequisite: AR 001. (3)

AR 520. Figure Painting.
Painting from the human figure with emphasis upon composition, human structure and techniques. Prerequisites: AR 001; AR 202; AR 325. May be repeated for additional credit. (3)

AR 525. Studio Process.
Experimentation in specialized and advanced art media in intensive studio formats. Specific objectives and content will change depending on emphasis. Prerequisite: AR 001. (2)

AR 530. Fibers II.
Further exploration of fiber media including weaving and/or surface design and fiber sculpture. Prerequisites: AR 001; AR 330. May be repeated for additional credit. (3)

AR 541. Ceramics III.
An advanced course designed to develop competency in ceramic art processes. May be repeated for additional credit. Prerequisites: AR 001; AR 441 or equivalent experience. (3)

**Art History (AH)**

AH 100. Ancient Egypt.
A study of the development of the ancient Egyptian civilization, its culture, art, politics, religious beliefs and hieroglyphic language. (University Studies course) (3)

AH 110. Art History Survey I.
A study of painting, sculpture and architecture from prehistoric times through the Gothic Age. Fall only. (3)

AH 210. Art History Survey II.
A continuation of Art History Survey I from the Renaissance to the contemporary era. Spring only. (3)

AH 310. Classical Art.
History of Ancient art with emphasis upon Greek and Roman art. (3)

AH 311. Modern Art.
History of major developments in the art of the 19th and early 20th centuries. (3)

AH 312. Renaissance Art.
Study of Italian art history from the late middle ages to the High Renaissance and Maniera. (3)

AH 400. Seminar: Readings in Art.
Exploration of the theoretical basis of artists and their work. Major emphasis upon 1800 to the present. Prerequisite: AH 311. (3)

AH 510. Non-Western Art.
Survey of historical and contemporary culture in Central Africa, India, Japan, China, the Middle East and Meso-America. (3)

Study of the major contributions of artists living in the U.S. from the time of the Native Americans to the present. (3)

Movements in painting, sculpture and architecture as developed in Europe and America beginning with the Armory Show of 1913 and including present trends. (3)

AH 514. Issues in Renaissance Art.
13th-16th century Italian art and its relationship to the development of political, social and cultural history. (3)

AH 516. Issues in Modern Art.
This course will investigate the development of modernism in western culture as it was reflected in the artistic expression of the time. Influences from a variety of cultures will be explored, as will political, economic and social impacts. (3)

See University Studies (UI) listings for description of:

BS 103 (Cross-listed as SW 103). Human Biology.
Emphasis on human cell, tissue, and organ system function. Discussions focus on a systems approach to human health and disease. Three lectures. (University Studies course) (3)

BS 105. Environmental Biology.
Discussion of biological principles with application to environmental issues. Two lectures and one discussion/recitation. (University Studies course) (3)

BS 107. Investigations in Biology.
Biological processes will be used to provide experience in scientific investigation and discussion of implications.
and limitations. One 2-hour discussion/recitation and one 2-hour lab. (University Studies course) (3)

**BS 108. Biology for Living.**
To acquaint the students with and help them to understand some of the fundamental biological processes and problems which confront living organisms. Two lectures and one discussion/recitation. (University Studies course) (3)

**BS 113/013. Anatomy and Physiology I.**
Aspects of anatomy and physiology related to care of the human body. Particular attention given to cells, tissues, digestive system, skeletal system, muscular system and circulatory system. Recommended for nursing students. Two lectures and one 2-hour lab. (3)

**BS 114/014. Anatomy and Physiology II.**
Second course in sequence. Particular attention is given to the nervous system, urinary system, respiratory system, endocrine system and reproductive system. Recommended for nursing students. Two lectures and one 2-hour lab. Prerequisite: BS 113/013 or consent of instructor. (3)

**BS 115. Anatomy and Physiology.**
An eight week comprehensive anatomy and physiology course emphasizing the digestive, skeletal, muscular, circulatory, nervous, respiratory, urinary, endocrine and reproductive systems. Six lectures and 8 hours lab. Prerequisite: Admission to Southeast Missouri Hospital Nursing Program or consent of instructor. (5)

**BS 118. Introduction to Process Science for Elementary Teachers.**
This course will provide elementary teacher candidates with a working knowledge of science, acquisition of scientific knowledge, and the processes of scientific investigation. One 2-hour lab. (1)

**BS 218. Biological Science: A Process Approach.**
This course applies scientific thought to structure, function, energetics and ecology of living systems. Two lectures and one 2-hour lab. Prerequisites: BS 118; PH 218. (University Studies course) (3)

**BS 327. Biology of Aging.**
Introduces basic structure and function of the human body; describes aging processes occurring at various levels of biological organization. Three lectures. (3)

**BS 332. Human Physiology.**
Physiology of the human body. Major emphasis on those body systems which are essential to physical fitness and health care. Two lectures and one 2-hour lab. Prerequisite: BS 105 or BS 107 or BS 108 or equivalents (not FN 235). A general chemistry course is strongly recommended. (3)

**BS 340. Microorganisms and Their Human Hosts.**
Introduction to the anatomy, physiology, cultivation and control of microorganisms, the human immune system, and interactions between humans and microorganisms. Students may not receive credit for both BS 340 and BI 200. Two lectures and one 2-hour lab. Prerequisite: A course in chemistry or in biology or consent of instructor. (3)

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**Biology (BI)**

The major in Biology requires a core specialization of courses to be chosen by the student in consultation with a faculty advisor early in the sophomore year. The three core specializations are microbiology, cellular and molecular (MCM), biomedical sciences (BMS), and organismal, ecological and evolutionary (OEE). Courses with a BS prefix do NOT count on a major or minor.

**BI 003. Biology Major Field Assessment.**
Required of all biology majors and interdisciplinary studies majors with biology emphasis. Typically taken in final semester of degree program. Prerequisites: Biology major or ID major with Biology emphasis; 106 hours. (0)

**BI 190. Life Processes.**
Fundamental biological processes, emphasizing bioenergetics, cell function, and heredity, with their applications to ecosystems. Four lectures and one recitation. Prerequisite: One year of high school chemistry. (4)

**BI 200. General Microbiology.**
An introduction to bacteria, archaea, eukaryotic microbes, and viruses. A detailed consideration of their structure, metabolism, heredity, diversity, and related laboratory techniques. Two lectures and one 2-hour lab. Prerequisite: BI 190. (3)

**BI 225. Research Methods in Biology.**
Scientific reasoning and its application to problem solving and discovery in biology, including biological literature searching and electronic information retrieval techniques. Two lectures and one two-hour lab. Prerequisites: BI 190; MA 134. (University Studies course) (3)

**BI 261. Introductory Field Biology.**
One to two week course involving an introduction to biological field methods. Investigations of ecosystems not normally found within the range of Southeast Missouri. Prerequisite: Interest in and some familiarity with biological systems and consent of instructor. (1)

**BI 300. Introduction to Evolutionary Biology.**
An introduction to historical biology, incorporating principles of ecology, systematics, biogeography, and basic principles of evolutionary biology. Three lectures. (3)

**BI 332. General Ecology.**
An introduction to the fundamental principles of ecology. Two lectures and one 2-hour lab. Prerequisites: BI 200; BO 200; ZO 200. (3)

**BI 345. Laboratory Methods in Biological Chemistry.**
Theory and practice of common biological laboratory methods: solution preparation, spectrophotometry, electrophoresis, DNA manipulations, and biological, chemical, and radiological safety. One lecture and two 2-hour labs. Prerequisites: BI 200; CH 186; MA 134; or consent of instructor. (3)

**BI 381. Genetics. Intermediate-level survey of genetics.**
Topics covered include enzymology of gene expression; introduction to gene regulation in prokaryotes and eukaryotes; techniques of DNA manipulation; cytogenetics; quantitative and population genetics. Three lectures. Prerequisite: BI 200; MA 134. (3)

**BI 384. Readings in Biology.**
Consideration in depth of subject matter ordinarily unavailable in the departmental curriculum through reading and discussion of assigned material. Students are limited to a total of 6 credit hours of readings during their program. Prerequisite: Consent of department chairperson. (1)

**BI 404. Cell Biology.**
Dynamics of eukaryotic cellular function, molecule targeting, vesicular trafficking, signal transduction and molecular aspects of cell interactions. Two hours lecture and one two-hour lab. Prerequisites: BI 381; CH341/342; or consent of instructor. (3)

**BI 414. Current Problems in Cell and Molecular Biology.**
In-depth consideration of selected topics of current interest in cellular and molecular biology, with emphasis on problem solving and analysis of primary literature. Three hours lecture and one hour recitation. Prerequisite: BI 404. (3)

**BI 420. Management of Wildlife Populations.**
Introduction to theoretical principles and empirical bases for population management of wildlife, and application of these principles. Basic concepts of population dynamics, estimation of population parameters, and population management. Examples emphasize North American species. Three lectures. Prerequisites: BI 200; BI225; BO 200; ZO 200; or equivalents. (3)

**BI 430. Management of Wildlife Habitat.**
Principles and practices of habitat management for wildlife in North America. Two lectures and one 2-hour lab. Prerequisites: BI 200; BI 225; BO 200; ZO 200. (3)

**BI 432. Advanced Ecology.**
Study of the evolutionary interactions among organisms and their environments. Evolutionary stable strategies, life history and foraging strategies, population growth, intra- and interspecific interactions. Three lectures. Prerequisite: BI 332. (3)

**BI 435. Conservation Biology.**
Discussion of ecological principles relating to conservation of biodiversity, with a review of social, political, and economic constraints. Three lectures. Prerequisite: BI 332 or equivalent. (3)

**BI 440. Ecology and Management of Wetlands.**
General introduction to structure, function, classification, delineation, and biota of wetlands. Emphasis on the application of principles of wetland ecology to wetland management, with particular attention given to wetland types occurring in the Midwest. Two lectures and one 2-hour lab. Prerequisites: BI 200; BI 225; BO 200; ZO 200; or consent of instructor. (3)

**BI 441. Virology.**
A course to acquaint students with the viruses, prions and viroids of animals, plants and bacteria, emphasizing biochemical characteristics, techniques of study and medical and economical importance. Three lectures. Prerequisites: BI 200; 5 hours of chemistry. (3)

**BI 442. Immunology.**
Introduction to modern immunology with an emphasis on the underlying biochemical mechanisms. Two lectures and one 2-hour lab. Prerequisite: BI 200 or consent of instructor. (3)

**BI 443. (Cross-listed as EV 443) Epidemiology.**
Introduction to basic concepts, methods and applications of infectious disease, chronic disease and environ-
Biology (BI)

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mental epidemiology focused on epidemiological reasoning processes. Three lectures. Prerequisites: BI 200; MA 134. (3)

BI 445. Microbial Physiology.
A detailed consideration of prokaryotic structure and function, encompassing morphology, metabolism, genetics and growth. Two lectures and one 2-hour lab. Prerequisites: BI 200; CH 341; CH 342. (3)

BI 450. Molecular Biology Investigations.
Gene cloning and analysis in an independent, investigative environment. DNA library screening, primer/probe design, cloning, sequencing, sequence analysis. One 1-hour lecture, 4 hours lab. Prerequisites: BI 200; CH 341; CH 342; Pre or Corequisite: BI 381. (3)

BI 452. Limnology.
A comparative approach to the ecological study of freshwater systems, including the chemical, physical, and biological components of springs, streams, impoundments, and swamps. One lecture and two 2-hour labs. Prerequisites: BO 200; CH 185; ZO 200. (3)

BI 453 (Cross-listed as EV 453). Occupational Health.
Introduction to the factors influencing occupational incidents and the adverse interactions of environmental and occupational chemical/physical agents with humans. Prerequisites: Junior standing; CH 181 or CH 185; completion of Living Systems (BI or BS) category of University Studies. (3)

BI 454 (Cross-listed as EV 454). Risk Assessment Applications.
Introduction to concepts, terminology, methods, and applications of qualitative and quantitative health and ecological risk assessment and risk communication. Prerequisites: Junior standing; CH 181 or CH 185; MA 134; completion of Living Systems (BI or BS) category of University Studies. (3)

BI 455 (Cross-listed as EV 455). Industrial Hygiene.
The study of chemical and physical hazards in the occupational environment and the methods used for their evaluation and control. Prerequisites: Junior standing; BI 200; CH 186; MA 134. (3)

BI 460 (Cross-listed as EV 460). Introduction to Toxicology.
Introduction to the fundamental principles of toxicology, toxic agents, toxicity testing, mechanisms of toxicity, toxic effects, sources of exposure, and applications of toxicology. Prerequisites: Junior standing; BI 200; ZO 200; CH 185. (3)

BI 469. Wildlife Toxicology.
Introduction to the principles of environmental toxicology and discussion of the literature on biological effects of environmental toxicants on terrestrial vertebrate wildlife species. Three lectures. Prerequisites: CH 185; ZO 200; or equivalent. (3)

BI 471-473. Internship in Biology.
A supervised learning and work experience in biology which enhances the student’s understanding of and appreciation for the application of biological knowledge and skills. Prerequisites: 45 hours with 2.5 GPA; 16 hours in biology; internship must be related to major; consent of instructor and department chairman. (1-3)

BI 479. Introduction to Aquatic Toxicology.
Introduction to the effects of manmade environmental stresses on the biological processes of aquatic organisms. Lectures emphasize recent advances and the laboratory introduces assessment methodology. Two lectures and one 2-hour lab. Prerequisites: 16 hours in biology; CH 181 or CH 185. (3)

BI 485. Topics in Biology.
Consideration in depth of subject matter that is not a part of the established departmental curriculum. On demand. Prerequisites: Junior standing; consent of instructor. (3)

BI 487. Biology Seminar.
Assigned readings, oral presentations and reports designed to allow the integration of basic biological principles into the framework of organismic diversity. One meeting per week. Prerequisites: BI 200; BO 200; ZO 200; senior standing. (1)

BI 493. Readings in Biology.
Consideration in depth of subject matter ordinarily unavailable in the departmental curriculum through reading and discussion of assigned material. Students are limited to a total of 6 credit hours of readings during their program. Prerequisite: Consent of department chairperson. (2)

BI 543. Pathogenic Microbiology.
The study of the epidemiology, pathology, isolation, identification, prevention and treatment of clinically significant bacteria and viruses. Two lectures. Prerequisite: BI 200 or equivalent. (2)

BI 544. Pathogenic Microbiology Laboratory.
Clinically significant bacteria are isolated, identified, and studied in theory and practice, with emphasis on the biochemical basis of the procedures. One 2-hour lab. Prerequisite: BI 200 or equivalent. Corequisite: BI 543. (1)

BI 551/553. Biology Field Studies.
A one, two, or three week field course involving the study of ecosystems and habitats not normally within range of Southeast Missouri (e.g. grasslands, deserts, estuarine, and montane systems). Prerequisites: 20 hours of biology, including BO 200 and ZO 200; consent of instructor. (1 or 3)

BI 570. The Development of Instructional Materials for Courses in the Biological Sciences.
Independent study under supervision of a member of the biology faculty. Students design and develop instructional materials for a departmental course. On demand. Prerequisites: Junior standing; consent of instructor; satisfactory completion of the course for which materials will be developed. (1)

BI 589-591. Biological Research.
Investigation of a research project with emphasis on development of controls, evaluation of results and relation to current literature. A summarizing paper may be required. Students are limited to a total of 6 credit hours of research during their program. Prerequisite: Consent of instructor and department chairman. (1-3).

See University Studies (UI) listings for descriptions of:

UI 303. The Female Experience. (3)
UI 317. Human Sexuality. (3)
UI 321. AIDS: An Interdisciplinary Perspective (3)
UI 360. Recycling and Waste Management. (3)
UI 406. Transforming the Female Experience. (3)
UI 415. Science and Religion. (3)

Botany (BO)

Survey of the structure, function, and evolution of those organisms traditionally considered as plants. Two lectures and one 2-hour lab. Prerequisite: BI 190. (3)

BO 361. Systematic Botany.
Plant classification. Identification and relationships of seedbearing plants and ferns. One lecture and two 2-hour labs. Prerequisite: BO 200. (3)

Physiological processes of seed plants with emphasis on metabolism, development, and transport. One lecture, one recitation, one 3-hour lab. Prerequisite: BO 200; pre- or corequisite: CH 341 and CH 342. (3)

BO 461. Native Aquatic Plants.
Designed to familiarize the students with the algae and aquatic vascular plants found in the area and their habitat relationships. The course is primarily field-oriented. One lecture and two 2-hour labs. Prerequisite: BO 200 or equivalent. (3)

**BO 469. Field Botany.**
Study of plant communities in a variety of habitats, emphasizing the natural history and field identification of local species. Two 4-hour labs-2nd eight weeks. Pre or corequisite: BO 361 or consent of instructor. (2)

### Business Administration (BA)

**BA 361. Small Business Management/New Venture Creation.**
Emphasis on entrepreneurial opportunities and new-venture processes. Provides an overview of the numerous marketing, managerial, and financial activities needed for successful operation of small business firms. Pre or corequisites: MG 301; MK 301. (3)

**BA 363. Small Business/New Venture Financing.**
Emphasis on financial problems facing small business and new ventures. Includes business planning, asset management, working capital management, capital budgeting, business valuation, and an examination of funding sources. Pre or corequisites: MG 301; MK 301. Prerequisite: FI 361 with grade of ‘C’ or better. (3)

**BA 458. International Business Internship.**
A supervised field experience in international business involving at least 150 supervised contact hours. Prerequisites: Senior standing; International Business major core. (3)

**BA 461. Small Business/New Venture Planning and Strategy.**
Entrepreneurial venture analysis with primary emphasis on strategic and financial planning for an existing small business/new venture. Prerequisite: BA 363. (3)

**BA 463. Small Business/New Venture Internship Project and Business Plan Completion.**
A capstone experience in the context of creating a business plan. Prerequisite: BA 461. (3)

**BA 490. Business Policy and Strategy.**
A capstone course in business focusing on integrated corporate decision making in terms of strategy formulation, implementation, and evaluation. Prerequisites: All Business Core with a minimum grade of ‘C’ in each course (except required International course); senior standing. (3)

**BA 521. Issues in Small Business/Entrepreneurship.**
This course focuses upon the critical issues and challenges encountered at different stages in the processes of new venture initiation and growing privately-held companies. Prerequisites: Admission to College of Business or MBA. (3)

**BA 560. International Business Study Tour.**
Provides a comprehensive theoretical overview of international business, along with an intensive overseas study tour of business and institutions. Prerequisites: MG 301; MK 301. (3)

### Business Law (BL)

**BL 255. Legal Environment of Business.**
Emphasis on the background, importance and role of law in society; contracts, sales, bailments, personal property, landlord/tenant, environmental. Prerequisite: Sophomore standing. (3)

**BL 455. Contracts.**
Course examines foundations of common law and statutory regulations governing contractual relationships. Prerequisite: BL 255 with minimum grade of ‘C’; junior standing. (3)

**BL 573. Internship in Business Law.**
A supervised learning and work experience in business law which enhances traditional business law courses. On demand. Prerequisites: BL 255 with a minimum grade of ‘B’; business major; junior standing; 3.0 cumulative GPA. Pre- or corequisite: BL 455. (1-3)

### Chemistry (CH)

**CH 180. Chemistry in our World.**
The principles governing the systematic behavior of matter, with applications to life and living. One may not receive credit for both CH 180 and CH 181/001/081. Two lectures and three hours of laboratory. Prerequisite: MA 090 or equivalent; completion of high school chemistry is recommended. (University Studies course) (3)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Pre or Corequisite</th>
<th>Credit Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 181/001/081</td>
<td>Basic Principles of Chemistry.</td>
<td>A one semester survey of the fundamental principles and systematic behavior of matter. Three lecture hours (CH 181), one recitation hour (CH 001), two lab hours (CH 081) must be taken concurrently. One may not receive credit for both CH 181/001/081 and CH 185/005/085. Pre or corequisite: MA 090 or equivalent.</td>
<td>(University Studies course)</td>
<td>(5)</td>
</tr>
<tr>
<td>CH 185/005/085</td>
<td>General Chemistry I.</td>
<td>A study of atomic structure, chemical bonding, properties of matter and chemical reactions. Initial course in general chemistry sequence. Three lecture hours (CH 185), one recitation hour (CH 005), two lab hours (CH 085) must be taken concurrently. Prerequisite: MA 095 or equivalent.</td>
<td>(University Studies course)</td>
<td>(5)</td>
</tr>
<tr>
<td>CH 186</td>
<td>General Chemistry II.</td>
<td>A continuation of General Chemistry I (CH 185). This is a core course for major and minor programs in chemistry. Three lecture hours. Prerequisite: a grade of ‘C’ in CH 185/005/085 or ‘B’ in CH 181/001/081.</td>
<td></td>
<td>(3)</td>
</tr>
<tr>
<td>CH 187</td>
<td>Qualitative Analysis.</td>
<td>A systematic analysis of inorganic materials, supplemented by experiments relevant to topics covered in CH 185 and CH 186. Four lab hours.</td>
<td>Pre or corequisite: CH 186.</td>
<td>(2)</td>
</tr>
<tr>
<td>CH 234</td>
<td>Organic and Biological Chemistry.</td>
<td>A survey designed for non chemistry majors or minors covering basic organic chemistry and biochemistry. Two lectures and two-hour lab. Spring only. Prerequisite: CH 180 or CH 181/081/001 or consent of instructor.</td>
<td></td>
<td>(3)</td>
</tr>
<tr>
<td>CH 271</td>
<td>Quantitative Analysis.</td>
<td>Theory and techniques of analytical chemistry. Two lectures and four hour lab. Fall only.</td>
<td>Pre or corequisite: CH 186; CH 187.</td>
<td>(4)</td>
</tr>
<tr>
<td>CH 310</td>
<td>Introduction to Physical Chemistry.</td>
<td>A one semester survey of the basic concepts of physical chemistry and their application to understanding chemical and physical phenomena. Three lecture plus four lab hours. Credit may not be received for both CH 310 and CH 311. Fall only. Prerequisites: MA 139; CH 271; PH 121/021 or PH 230/030.</td>
<td></td>
<td>(5)</td>
</tr>
<tr>
<td>CH 311</td>
<td>Physical Chemistry I.</td>
<td>A systematic study of the gaseous state, thermodynamics and thermochemistry, nonelectrolyte solutions, and electrolyte solutions. Four lecture hours. Fall only. Prerequisites: CH 271; PH 121/021 or PH 231/031. Pre or Corequisite: MA 240.</td>
<td></td>
<td>(4)</td>
</tr>
<tr>
<td>CH 312</td>
<td>Physical Chemistry II.</td>
<td>A systematic study of quantum mechanics group theory, chemical bonding, molecular spectroscopy, and chemical kinetics. Three lecture hours. Spring only. Prerequisite: CH 311.</td>
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<td>(3)</td>
</tr>
<tr>
<td>CH 313</td>
<td>Physical Chemistry Laboratory.</td>
<td>Experimental application of principles of physical chemistry in calorimetry, electrochemistry, molecular spectroscopy, chemical kinetics, and study of gases and liquids. Six lab hours. Spring only. Pre or Corequisite: CH 312.</td>
<td></td>
<td>(3)</td>
</tr>
<tr>
<td>CH 341</td>
<td>Organic Chemistry I.</td>
<td>Fundamentals of aliphatic and aromatic organic chemistry, with an emphasis on reactions of functional groups. Biomolecules are introduced. Four lecture hours. Prerequisite: CH 186 with a grade of ‘C’ or consent of instructor.</td>
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<td>(4)</td>
</tr>
<tr>
<td>CH 342</td>
<td>Organic Chemistry Lab I.</td>
<td>Acquaints students with basic organic laboratory techniques, such as crystallization, distillation, separations, and chromatography. Thirty lab hours during the semester. Pre or corequisite: CH 341.</td>
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<td>(1)</td>
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<tr>
<td>CH 343</td>
<td>Organic Chemistry II.</td>
<td>A continuation of Organic Chemistry I focusing on synthesis, mechanisms of reactions, and spectroscopy of organic molecules. Three lecture hours. Prerequisite: CH 341 with consent of instructor. Pre or corequisite: CH 342.</td>
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<td>(3)</td>
</tr>
<tr>
<td>CH 344</td>
<td>Organic Chemistry Lab II.</td>
<td>Students will perform selected organic syntheses and develop skills in semimicro qualitative organic chemistry. Four lab hours. Spring only. Pre or corequisites: CH 343 or consent of instructor.</td>
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<td>(2)</td>
</tr>
<tr>
<td>CH 350</td>
<td>(Cross-listed as EV 350). Environmental Chemistry.</td>
<td>A study of the sources, reactions, transport, and fate of chemical entities in the air, water, and soil environment as well as their effects on human health and the environment. Three lecture hours. Spring only. Prerequisites: CH 234 or CH 343 or consent of instructor.</td>
<td></td>
<td>(3)</td>
</tr>
<tr>
<td>CH 391-399</td>
<td>Undergraduate Research.</td>
<td>Original research for students with demonstrated superior ability. On demand. Pre or corequisites: UI 443; consent of department.</td>
<td></td>
<td>(1-9)</td>
</tr>
<tr>
<td>CH 400</td>
<td>Special Topics in Chemistry.</td>
<td>Special topics in chemistry unavailable in the department curriculum such as electrochemistry, nuclear</td>
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</table>
chemistry, polymer chemistry, industrial chemistry, and surface chemistry. On demand. Prerequisite: Consent of instructor. (1)

CH 401-403. Independent Study in Chemistry.
Directed individual study of problems in chemistry. On demand. Prerequisite: departmental approval of study plan and compliance with university guidelines for independent studies. (1-3)

CH 447. Advanced NMR Techniques.
Advanced NMR techniques applied to structure determination. This course will provide theoretical and hands-on training of various 1D NMR techniques. Two lecture hours and two lab hours. Prerequisite: CH 344 or consent of instructor. (2)

CH 498. Professional Presentation in Chemistry.
Student presentation of work done as part of experiential learning activities. Credit/No Credit. Prerequisite: UI 443. (1)

CH 531. Biochemistry I.
Structure and function of amino acids, proteins, lipids, and carbohydrates. Generation and utilization of energy. Three lecture hours. Fall only. May be taken as UI 331. Prerequisite: CH 342 or consent of instructor. (3)

CH 532. Biochemistry II.
Metabolism and biosynthesis of amino acids, lipids, and nucleic acids. Transmission and expression of genetic information. Two lecture hours. Spring only. Prerequisite: CH 531 or UI 331. (2)

CH 533. Biochemistry Laboratory.
Laboratory course dealing with selected biochemical techniques. Major areas of study include amino acids, proteins, carbohydrates, lipids, and nucleic acids. Four hour laboratory. Fall only. Pre or corequisite: CH 531 or UI 331. (2)

CH 545. Organic Preparations and Characterization.
Preparation and characterization of organic compounds, including formulation of an organic reaction sequence, developing experimental procedures, and characterizing intermediates and products. One lecture and four lab hours. Fall only. Prerequisite: CH 344 or consent of instructor. (3)

CH 563. Inorganic Chemistry.
A course dealing with theoretical and descriptive inorganic and organo-metallic chemistry. Includes an introduction to inorganic synthesis and characterization. Three lectures and one 2-hour lab. Spring only. Pre or corequisite: CH 312 or consent of instructor. (4)

CH 565. Inorganic Preparations.
Acquaints students with advanced techniques of inorganic synthesis. On demand. Prerequisite: CH 563. (2)

CH 572. Environmental Estuarine Chemistry.
Offered summer only at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi. Department advisors have additional details. (4)

CH 575. Chemical Instrumentation.
The theory and practice of modern instrumental methods of analysis: molecular and atomic spectroscopy, electrochemical techniques and separation science. Two lecture and four lab hours. Spring only. Pre or corequisite: CH 312 or consent of instructor. (4)

See University Studies (UI) listings for description of:
UI 331. Biochemistry I. Fall only. (3)
UI 443. Professional Experience in Chemistry. Spring only. (3)

Child And Family (CF)

CF 102. Personal and Family Relationships.
Insights into self understanding as related to interactions with others in the framework of dating, marriage and the family. (2)

An introduction to the physical, cognitive and social-emotional characteristics of children from birth through the primary grade years. (Required for Child Development Associate certification) (3)

CF 120. The Child: Development from Conception to Adolescence.
An overview of the social, cognitive, physical and emotional changes that occur from conception to adolescence. Application of principles of development to the understanding of child development and behavior. (Same as PY 120) (University Studies course) (3)

Essentials of health, nutrition, and safety and its application to the well-being of the child from conception through eight years of age. (Required for Child Development Associate certification) (3)

CF 125. Essentials of Preschool Education.
An introduction to professional/preparation for early childhood teachers and care givers, including theories
and practices developmentally appropriate to promote young children’s development. (Required for Child Development Associate certification) (3)

CF 126. Facilitating Development in Young Children.
An introduction to early childhood education including programs, theories, and optimal learning environments for young children, birth to six. Prerequisite: CF 120. (3)

CF 200. Guiding Alternatives for Young Children.
Interaction, communication and effective environmental stratagems, along with major trends and acceptable alternatives of guiding young children. Prerequisite: CF 120 or PY 120. (3)

CF 206. Introduction to Gerontology.
Concepts and issues of aging with emphasis on the research, theories, and resources available for the elderly. (3)

CF 207. Eldercare Experiences.
An orientation to the well elderly in our society and their needs involving supervised personal interaction with Eldercare Center participants. One hour seminar and four hours in a supervised laboratory. Prerequisite: CF 206. (3)

CF 208. The Intimate Environment.
An examination of the process of intimacy in a variety of relationships and environments. (3)

CF 210-211. Field Experience in Early Childhood Programs.
Additional contact and work within an early childhood program with children from birth through six years. Prerequisite: CF 120. (2-3)

CF 290. Preschool Participation.
Techniques for planning and implementing a developmentally appropriate program for preschool children that facilitates cognitive, physical, emotional and social growth. Prerequisite: CF 120 or PY 120. Corequisite: CF 291. (2)

CF 291. Preschool Participation Laboratory.
Limited planning and participation in activities and routines with preschool children under supervision of Center for Child Studies staff. Three hours lab. Prerequisite: CF 300.

CF 300. Working With Parents.
Methods for involving parents in the education of young children; techniques for effective communication with parents; and leadership styles that promote positive interactions with parents. Corequisite: CF 301. (2)

CF 301. Working With Parents Laboratory.
Opportunities to work with parents in a supervised setting. Two hours lab. Corequisite: CF 300. (1)

CF 312. Organization and Management of Child Care Centers.
Licensing, staffing, facilities, equipment, and curriculum planning for child care centers. Prerequisite: CF 450/004. (3)

CF 316. Prenatal and Infant Growth and Stimulation.
An in depth study of theory and research regarding developmentally appropriate environments for prenatals and infants from conception to age three. Prerequisites: CF 290; CF 291. Corequisite: CF 317. (2)

CF 317. Prenatal and Infant Growth and Stimulation Laboratory.
Observation and participation with infants. Limited opportunities for planning and implementing activities. Two hours lab. Prerequisites: CF 290; CF 291. Corequisite: CF 316. (1)

CF 400. Family Life Practicum.
A professional field placement in a community service or agency which focuses upon the family. A minimum 120 hour practicum under the direct supervision of a qualified professional in a family service field.

CF 402. Marriage Interactions.
Study of interactions of marriage partners at different stages of marriage with emphasis on developing communication and decisionmaking skills. (3)

CF 403. Child and Family Practicum.
A field experience in which the student is exposed to community service agencies or programs which focus on the child and family. A minimum of 90 hours is required in the practicum under the direct supervision of a professional in a child or family service or agency. Prerequisites: 15 hours of CF courses; CPR certification. (3)

CF 409. School-Age Child Care Programming.
Overview of school-age child care programming. Program models, developmentally appropriate experiences and environments, curriculum implementation, and
A study of the parent child relationship and the influence the role of parent has upon the growth and development of the child with special focus on differential impact of mothers and fathers. Prerequisites: CF 102; CF 290; CF 120. (3)

CF 450/004. Teaching Young Children, Ages 3-5.
Extensive teaching responsibilities in Center for Child Studies with three to five year-olds under staff supervision. A TB test is required. Two lectures (CF 450/004), one 3-hour lab (CF 004) must be taken concurrently. Prerequisites: CF 126; CF 290; CF 120 or PY 120. (3)

Clinical experience in guidance and care of the preschool child. Prerequisite: CF 120 or PY 120. (3)

Introduction to microcomputer hardware; awareness of computer curricula available; understanding role of computer technology in young child's development. Prerequisite: CF 120 or PY 120. (3)

CF 506. Theories and Issues in Child Development.
This course examines the theoretical constructs of child development and comparative educational and interactional implications. Prerequisite: CF 200 or CF 450/004 or CF 211. (3)

Analysis of the reactions of children to hospitalization. Discussion of clinical skills related to developmental and psychosocial care of hospitalized children. (3)

CF 512. Utilizing Family and Community Resources.
Interrelationship of roles and activities of the professional with family, community, state and federal agencies; survey of referral networks. (3)

CF 517-518. Gerontology Practicum.
An advanced supervised field experience which focuses upon the administration, staff, schedule, and operation of programs for the elderly. Prerequisites: CF 206; CF 207; or 6 hours of related courses and/or experiences. (23)

CF 530. Research and Issues.
Overview of the issues, methodology and conclusions of classical and contemporary research as it relates to children's development. Research will be applied to parenting and to the classroom. Prerequisite: 18 hours of CF courses. (3)

CF 560. Practicum in Child Life.
An advanced supervised field experience with hospitalized children in selected health care settings and child life services programs. Prerequisites: 75 hours overall; CF 290; CF 291; CP 211; RC 260; CF 409 with 2.5 GPA; 2.5 cumulative GPA; or consent of department chairperson. (6)

Clothing And Textiles (CT)

CT 110. Introduction to Fashion Merchandising.
Overview of the design, production, and distribution of fashion goods. Introduction to fashion trade vocabulary, centers of fashion, and career opportunities. (3)

CT 207. Textiles.
Study of natural and manufactured fibers, yarns, fabric, finishing, and coloring of textile products. Two lectures and one 2-hour lab. (3)

CT 230. Apparel Analysis.
Styling, material, and construction decisions and their impact on the cost and quality of mass produced apparel. Prerequisite: CT 207. (3)

CT 300. Professional Image and Behavior.
An examination of business etiquette, dress, and common procedures designed to facilitate smooth transition into the business world. (2)

Visual fine arts principles as applied to the design and selection of mass produced apparel. (3)

CT 410. Internship in Textile and Apparel Management and Merchandising.
A career-related work experience in merchandising providing professional experience in the student's major area of study. Prerequisites: 75 hours and 2.5 cumulative GPA; 15 hours of CT courses. (6)

CT 415. Fashion Retailing.
Management of products in retail institutions. Examination of retail formats, product adoption theory,
Coaching Education (CG)

CG 205. Coaching of Baseball.
Introduction to the coaching of baseball: fundamental skills, offensive systems, defensive systems, drills, practice organization, and scouting techniques. (2)

Introduction to the coaching of basketball: fundamental skills, offensive systems, defensive systems, drills, practice organization, and scouting techniques. (2)

Introduction to the coaching of football: fundamental skills, offensive systems, defensive systems, drills, practice organization, and scouting techniques. (2)

CG 220. Coaching of Softball and Volleyball.
Introduction to the coaching of softball and volleyball: fundamental skills, offensive systems, defensive systems, drills, practice organization, and scouting techniques. (3)

CG 225. Coaching of Track and Field.
Introduction to coaching each event in track and field. Emphasis on organization of a team and conducting events. (2)

Communication Disorders (CD)

CD 110. Language and Culture of the Deaf.
The study of the deaf culture and community, including an introduction to sign language. (University Studies course) (3)

CD 211. Anatomy & Physiology of the Speech Mechanism.
The study of the structures and functions of speech and hearing systems. Analysis of how normal speech structures function to produce speech. Includes introduction to methods used for speech behaviors. Prerequisites: BI 120 or BS 107. (4)

CD 225. Phonetics.
The study of clinical and linguistic phonetics. Anatomical, physiological, and acoustical parameters of speech production; articulation of vowels, diphthongs, and consonants and their classifications; dialectical variations of speech productions; clinical transcription training using the International Phonetic Alphabet. (4)

CD 230. Introduction to Communication Disorders.
A survey of disorders of communication. Emphasis on the nature and causes of the disorders and introduction to the general principles of assessment and treatment. Includes a 1-hour laboratory for completion of observation hours. (4)

The study of speech sound development and the acquisition and development of child language based on content, form and use. Prerequisite: CD 230 or may be taken concurrently. (3)
Basic course in hearing science including the physics of sound, anatomy, and physiology of the hearing mechanism, theoretical aspects of the hearing mechanism. Prerequisite: BI 120 or BS 107. (3)

CD 401. Clinical Practicum in Communication Disorders.
Supervised clinical experiences in managing children and adults with disorders of phonology, language, voice and fluency. A minimum of 30 clock hours must be obtained for each credit hour of enrollment. May be repeated. Prerequisites: Basic Diagnostic and Clinical Methods in Communication Disorders, and appropriate course for disorders assigned: CD 410; CD 430; CD 442. (1)

CD 402. Clinical Practicum in Communication Disorders.
Combined lecture and supervised clinical experience in managing children and adults with communication disorders. A minimum of 30 clock hours must be obtained for the course. (2)

A study of the materials and techniques used in managing children and adults with communication disorders. Diagnostic protocol, test selection and administration, report writing, and basic clinical intervention techniques will be presented. Includes a one hour laboratory to involve students in diagnostic and management sessions. Prerequisite: CD 230. (4)

CD 410. Speech Disorders I: Phonology, Articulation, Cleft Palate.
The study of phonological and articulatory disorders, as well as issues relating to cleft palate, and procedures for diagnosis and treatment. Prerequisite: CD 230 or consent of the instructor. (3)

Basic course in diagnostic audiology including instrumentation, calibration, case history interview, pure-tone audiometry, speech audiometry, acoustic immittance, electrophysiologic and audiometric interpretation. Prerequisite: CD 371 or consent of the instructor. (3)

CD 430. Speech Disorders II: Voice and Fluency.
Nature and description of voice and fluency, emphasizing etiology, prevalence/incidence, characteristics, and symptomatology. Introduction to assessment and management issues. Prerequisites: CD 211; CD 225; CD 230. (3)

CD 442. Language Disorders in Preschool and School-Aged Children.
Provides an introduction to language disorders resulting from deficits in the central nervous system and auditory system, and as a result of environmental and social influences. Emphasis will be on assessment and intervention. Prerequisite: CD 340. (3)

CD 461-463. Independent Study.
Individual study in speech pathology, or sciences basic to speech. Prerequisite: consent of department chairperson and college dean. (1-3)

Introduction to the complex relationships existing between language, society, and communication disorders. A difference versus disorders approach will be utilized in considering communicative issues. Assessment and intervention approaches will also be discussed. Students will become acquainted with ethnographic approaches to research in real-life fieldwork experiences. Prerequisites: CD 225; CD 230. (3)

CD 525. Aural Rehabilitation.
Management of hearing impairment and auditory-based learning disabilities in children and adults including social/emotional, technological, educational, and cultural aspects. (3)

Communication Studies (SC)

The development of proficiency in oral communication through the study of rhetorical theories, principles, and strategies. (University Studies course) (3)

Consideration of the elementary principles involved in effective person to person communication. (3)

SC 160. Intercollegiate Debate.
SC 161. Intercollegiate Debate.
(For those in intercollegiate debate.) Continued study of the intercollegiate debate question. (2)

SC 200. Advanced Public Speaking.
Designed to extend skills acquired in SC 105 through study of different types of speeches for various occasions. Prerequisite: SC 105 or consent of instructor. (3)

Study of such cultural variables as language, values, institutions, traditions, customs and nonverbal behavior on the communication process. (3)

SC 240. (Cross-listed as TH 240.) Oral Interpretation of Literature.
Theory and practice of the oral performance of literature. (University Studies Course). (3)

SC 305. Theories of Communication.
Survey of theories of human communication as applied to specific disciplines. Emphasis on contextual nature and process of human communication. Note: Students may not receive credit for SC 305 and MC 301. (3)

SC 310. Speech Writing.
Theory and practice of writing the spoken word. Special attention given to matters of style. Study of the role of the illustration as a composition device. Accumulating and structuring supporting material for manuscript speaking. Prerequisite: SC 105. (3)

SC 314. Argumentation and Problem Solving.
Study of argumentation and decision-making in questions of controversy and public policy (i.e. law, business, social action, politics, education). (3)

Principles of group communication and decisionmaking. Development of skills necessary for effective participation in group settings. (3)

The study of basic communication principles and the opportunity to apply those principles to typical business and professional communication situations. (3)

A study of the basic principles of interviewing used in informational, persuasive, employment and appraisal interviews. Extensive practice in questioning techniques, structuring and conducting various types of interviews. Prerequisite: 3 hours of Communication Studies. (3)

Study of concepts and theories of communication strategies in building and maintaining relationships, with emphasis upon improving communication in the workplace. (3)

SC 365. Communication Between the Sexes.
A study of the role that sex differences and sex-role stereotypes play in the communication process in major communication contexts. (3)

SC 400. Advanced Debate.
(For those in intercollegiate debate.) Intensive study of the intercollegiate debate question. (3)

Study of the utility of negotiation and mediation in community, interpersonal, labor/management, legal, commercial and international disputes. (3)

SC 461-463. Independent Study.
Individual study in rhetoric and persuasion. Prerequisite: Consent of department chairperson; meet hours completed and GPA requirements. (1-3)

Supervised work with professionals in communication studies. Prerequisites: 75 hours with minimum 3.0 GPA; 18 hours of speech communication with minimum of 3.25 GPA; consent of department chairperson. (3-6)

A course in rhetorical criticism. Treatment of the methodology of speech criticism as it has developed from prominent rhetorical theories throughout the history of public address. Prerequisite: SC 200. (3)

SC 510. Leadership and Team Building.
Observation, analysis, and evaluation of verbal and nonverbal communication in the small group setting. (3)

SC 515. General Semantics.
Treatment of human abstraction processes and their role in interpersonal communication. A consideration of the effect of symbols on human behavior. (3)
SC 560. Organizational Communication.
Study of communication functions and networks in
organizations. Emphasis on leadership functions and
principles needed for effective management of organiza-
tional communication processes. Prerequisite: 3 hours
of Communication Studies. (3)

SC 590. Communication and Attitudes: Theory
and Research.
Study of contemporary theory and research regarding
attitude formation and change, and the implications for
public communication. (3)
See University Studies (UI) listings for descriptions of:
UI 301. Managerial Communication Processes. (3)
UI 320. The Modern Presidency. (3)
UI 345. Nonverbal Communication. (3)
UI 423. Political Communication. (3)
UI 425. Persuasion. (3)

Computer Science (CS)

CS 003. Computer Science Assessment.
Required of all Computer Science and Applied Com-
puter Science majors. Credit/no credit. Prerequisite:
Computer Science or Applied Computer Science major;
enrolled in final semester of degree program. Corequi-
site: CS 495. (0)

CS 117. The Information Age.
The impact of information technology on social struc-
tures, political, economic, philosophical, and social dimensions. (3)

CS 120. Introduction to Computer Science.
Broad overview of the field of Computer Science, including algorithms, mathematical foundations, com-
puter logic and architecture, systems software, high level
programming languages, applications, and social issues.
Lab experience with simulators and applications. Two
hours lecture, two hours lab. Prerequisite: MA 095/MA
096 with minimum grade of ‘C’, or placement in MA
134 or above. (3)

CS 155. Computer Science I.
Fundamental principles of computer science and soft-
ware engineering concepts, including working from
software requirements to design, implement, and test
programs; introduction to programming in a structured
high-level language; significant hands-on experience with
programming using a language development system and
computer operating system. Four hours lecture and two
hours lab. Prerequisite: MA 134 with minimum grade
of ‘C’; IS 130 or CS 120 with minimum grade of ‘C’ or
departmental placement. (5)

CS 180. Scientific Computing I.
An introduction to scientific computing. Topics include
scientific information systems, productivity tools, intro-
duction to programming and computer applications.
Two hours lecture and two hours lab. Prerequisite: MA
139 or MA 140 with minimum grade of ‘C’. (3)

CS 265. Computer Science II.
Review of static data structures. Introduction to recur-
sion, abstract data types, classes, and object oriented
programming. Implementations, as abstract data types,
of the data structures stacks, queues, linked lists and
binary trees. Study of the Standard Template Library.
Applications of these data structures. Four hours lecture
and two hours lab. Prerequisite: CS 155 with a mini-
num grade of ‘C’. (5)

CS 300. Computer Science III.
Continued study of data structures, algorithms, object
orientation, and standard libraries with an emphasis on
practical programming. Prerequisite: CS 265 with mini-
um grade of ‘C.’ (3)

CS 315. C and the Unix Environment.
Course provides a thorough introduction to the UNIX
operating systems and extensive programming in C.
Prerequisite: CS 265 with a minimum grade of ‘C’. (3)

Fundamentals of structured computer programming
using a business oriented language. Prerequisite: CS 265
with minimum grade of ‘C’. (3)

CS 335. LISP Programming.
Programming in LISP and Scheme with emphasis on
the LISP programming style. Prerequisite: CS 300 with
minimum grade of ‘C’ or consent of instructor. (1)

A study of the theoretical foundation of computer sci-
ence. Topics include graph theory, computational mod-
els, proof correctness and algorithm analysis will be
presented. Prerequisites: CS 300; MA 138; and MA 140
with minimum grades of ‘C’. (3)

A continuation of the study of data abstractions and the
algorithms for their manipulation. Emphasis on non-
numeric algorithms. Prerequisite: CS 345 with mini-
um grade of ‘C’. (3)
The structured organization of computers, emphasizing hardware and instruction set architecture, programming at the conventional machine level, and microprogramming. Prerequisite: CS 315 with minimum grade of ‘C’. (5)

Study of principles, problems, and applications of computer graphics in two and three dimensions. Prerequisites: CS 315 and MA 345 with minimum grades of ‘C’. (3)

Explores the concepts and implementation of operating systems. Prerequisite: CS 300 and CS 315 with minimum grades of ‘C’. (3)

CS 381. Novell Networks.
Implementation of Novell Network. No credit toward Computer Science major or minor. Credit/no credit only. Prerequisite: CS 315 with a minimum grade of ‘C’. (1)

CS 382. MS NT Networks.
Implementation of Microsoft NT network. No credit towards Computer Science major or minor. Credit/No Credit only. Prerequisite: CS 315 with minimum grade of ‘C’. (1)

CS 390. Programming Languages.
Properties of algorithmic languages including scopes of declarations, storage allocation, grouping of statements, runtime behavior; introduction to Language and BNF Grammars. Prerequisite: CS 300 with minimum grade of ‘C’. (3)

CS 440. Data Base.
Basic concepts of data base management. Discussion covers relational data bases and design method. Prerequisite: CS 300 with minimum grade of ‘C’. (3)

Provides an in depth understanding of the principles and techniques used in the analysis and design aspects of developing application systems. Apply techniques and tools to produce the system artifacts pertaining to analysis and design. Prerequisite: Junior standing; CS 300 or IS 275 with a minimum grade of ‘C’. (3)

CS 450. Software Engineering.
Principles, techniques, processes and tools for developing quality software with system documentation. Hands-on experience with a team project. Prerequisites: Minimum grade of ‘C’ in either CS 445 or IS 445; Senior standing in Computer Science major; passage of 75-hour Writing Proficiency Exam. (3)

CS 455. Topics in Applications Programming.
Advanced topics in applications programming. Prerequisites: CS 300 and CS 315 with minimum grades of ‘C’. (3)

CS 480. Data Communications.
Principles of data communication and computer networks. Prerequisites: CS 300 and CS 315 with minimum grade of ‘C’. (3)

CS 481-483. Problems in Computer Science.
Directed study of special topics in computer science through seminars, workshops, forums, etc. (1-3)

CS 485. Internship in Computer Science.
A supervised learning and work experience in professional computer science which augments computer science and information systems courses taken on campus. May be repeated once. On demand. No credit on computer science major or minor. Prerequisites: CS 300; 75 hours completed; 2.75 cumulative GPA; 15 hours CS or IS courses with 3.0 GPA. (3)

CS 490. Artificial Intelligence.
An introduction to Artificial Intelligence with LISP and PROLOG covering fundamental constructs and algorithms, various knowledge representations and advanced topics. Prerequisites: CS 350 or some background in logic. (4)

CS 491-493. Independent Study in Computer Science.
Intensive study of computer science topics under faculty supervision. (1-3)

CS 495. Senior Seminar.
The impact of computer on society, ethical issues and privacy issues in the computer field. Credit/no credit only. Prerequisite: Computer Science or Applied Computer Science major; enrolled in final semester of degree program; passage of WP 003. Corequisite: CS 003. (1)
Construction Management (CM)

CM 310. Construction Contracts and Building Codes.
Building codes, contracts, rights, obligations and liabilities of parties engaged in construction that flow from the contracts, laws and business practices common to the construction industry. (3)

Preparation of bid proposals including methods of pricing materials, equipment, and labor for residential and commercial construction projects. Prerequisites: MA 134; TG 322; or consent of instructor. (3)

CM 330. Construction Planning and Scheduling.
Construction project planning and scheduling principles and practices used by contractors to control time and cost. Prerequisites: TG 322; or consent of instructor. (3)

Study of the materials, procedures and processes utilized in the building construction industry. (3)

CM 410. Construction Project Administration.
Construction project administration principles and practices. Managing time, people, equipment and costs to build a project on time and to bid. Prerequisites: CM 310, CM 320; CM 330. (3)

Counseling Programs (CP)

CP 111. Principles of Personal Adjustment.
Designed for beginning college students in which psychological principles of adjustment are related to the student's own lifestyles and plans. Open to students with fewer than 45 hours. (3)

CP 210. Introduction to Counseling.
Designed to aid students in the development of interpersonal, helping, group and managerial skills. (3)

CP 231. Career/Life Planning.
Introduces work world and assists in selecting major and/or career. Opportunity provided for self-assessment. Activities to develop jobrelated skills included. Credit/no credit course. (1)

CP 431. Job Search Techniques and Strategies.
An experience-oriented course for new job seekers, with emphasis on resume writing, correspondence and interviewing skills and techniques. (1)

CP 441. Explorations of Self.
An exploration of several dimensions of the self, such as separateness, intimacy, sexual perspective, competence, freedom, aging and death. Open to students with more than 45 hours. (3)

A survey of the guidance program. Particular emphasis on the teacher's role in the guidance process. (3)

Criminal Justice (CJ, CO, LE)

CJ 100. Introduction to Criminal Justice.
General survey of federal, state, and local agencies involved in administration of criminal justice including police, courts, and corrections. (3)

CJ 110. Introduction to Law Enforcement.
Philosophy, history and problems of law enforcement; organization and jurisdiction of local, state, and federal law enforcement agencies will be examined. Pre or corequisite: CJ 100. (3)

CJ 125. Introduction to Corrections.
Introduces students to problems and the diversity of emphasis being placed on correctional programs. (3)

CJ 220. Criminal Law.
Examines substantive law, classification of offenses and matters that affect criminal responsibility. Prerequisite: CJ 100. (3)

Study of prisons and other correctional institutions. Traces the history, development, types, objectives, and organizations and administration of penal systems. Prerequisites: CJ 100; CJ 125. (3)

CJ 310. Advanced Police Administration.
Supervision and personnel management practices applied within the law enforcement agencies, first line supervision and middle-management in police agencies. Prerequisites: CJ 100; CJ 110. (3)

The role of security and the security industry in criminal justice; physical aspects of the security field; loss prevention in proprietary and governmental institutions; variations in physical security systems. Prerequisite: CJ 100. (3)

Operation of loss prevention, assets protection, programs in business, industry, government and institutions; emphasis on theft control, employee dishonesty, shoplifting and fire protection. Prerequisite: CJ 325. (3)

The organization and management of security units in industry, government, business, institutions; the protection of manpower, facilities and other assets; administrative, legal and technical issues. Prerequisite: CJ 325. (3)

Examination of techniques employed in the investigation of crimes and the professional application of these techniques. Prerequisites: CJ 100; CJ 110; CJ 220. (3)

An examination of the operational components of contemporary police organizations. Examines the development of operational goals and objectives, development of programs and applicability of research findings to strategies. Prerequisites: 9 hours of CJ courses, including CJ 100 and CJ 330. (3)

Introduction to evidence collection and techniques used in the crime laboratory and their relation to each other. Emphasis on scientific and legal requirements for evidence collection and handling. Prerequisites: CJ 330; 5 hours of any natural science course. (3)

An analysis of the rights of prisoners as guaranteed by the constitution and interpreted through specific cases. Prerequisites: CJ 100; CJ 125. (3)

CJ 365. Community Based Corrections.
Study of group homes, work release programs, halfway houses, workstudy projects and other community based programs. Prerequisites: CJ 100; CJ 125. (3)

Designed to acquaint students with the problems of dealing with juveniles in the criminal justice system. Prerequisite: CJ 100. (3)

CJ 375. Criminal Typologies and Victimology.
A survey of criminal and victim behavior patterns and subtypes for specific crimes, including personality and social characteristics, motivations, and methods and techniques. (3)

CJ 422. Criminal Procedure.
Survey of the legal aspects of criminal procedure from arrest through appeal. Focuses on the law of arrest, search and seizure and the nature of legal proof at criminal trial. Prerequisites: CJ 100; CJ 110; CJ 220. (3)

CJ 425. Planning and Research in Criminal Justice.
Role and scope of planning and research in Criminal Justice organizations is examined. Prerequisite: CJ 100. (3)

CJ 435. Seminar.
Examines major problems currently facing the system. Discussion of proposed solutions to the problems identified. Prerequisite: CJ 100. (3)

CJ 440. Theories and Methods of Offender Rehabilitation.
Analysis and evaluation of current theories and methods of treatment and classification in the correctional environment. Prerequisites: CJ 100; CJ 125. (3)

CJ 471-473. Independent Study. (1-3)

CJ 491. Internship in Criminal Justice.
Practical experience with field agencies. (6)

Study of the criminal justice systems of four major countries, including Great Britain, Japan and Sweden. Each country's differing philosophical and practical approaches to criminal justice are analyzed and compared.

An examination of how crime and criminal justice programs become public agenda items through the process of coalition, building, implementation and adoption, and finally the scrutiny of evaluation. Current trends such as the Crime Bill and prison capacity examined. Intended as an overview of how crime policy is formulated and adopted into the American political agenda. Prerequisite: Introductory course in criminal justice or permission of instructor. Preferred background in criminal justice or social sciences. (3)

Dance (DA)

The use of statistical methods and computer applications for research and program analysis in criminal justice. Prerequisite: MA 134 or consent of instructor. (3)

CJ 535. Civil Law and Liability.
Study of the civil justice system, theories of civil liability in the law enforcement and corrections context. Prerequisite: CJ 100; CJ 220; CJ 355 or CJ 422; CJ 230 or CJ 310; senior standing; permission of instructor. (3)

CO 491. Internship in Corrections.
Practical experience with field agencies. (6)

LE 491. Internship in Law Enforcement.
Practical experience with field agencies. (6)

See University Studies (UI) listings for descriptions of:
UI 300. Drugs and Behavior. (3)
UI 309. Crime and Human Behavior. (3)
UI 343. Transcultural Experience. (3)
UI 427. Service and Community. (3)

Dance (DA)

DA 100. (DA 214) Dance Appreciation.
Develops ability to describe, analyze, interpret, and evaluate dance through exposure to writings, discussions, active learning dance experiences, and performances. (University Studies Course) (3)

DA 105. (Cross-listed as TH 105)
Training and practical hands-on experience in performance, crew work, and all aspects of technical production through active participation in the mounting of departmental productions. May be repeated for credit. (5)

DA 110. (DA 115) Ballet I.
Beginning technique, training and understanding of the classical ballet discipline. (2)

DA 120. (DA 123) Contemporary Dance I.
Introduction and beginning level study of contemporary concert dance techniques that are derived from traditional modern dance techniques. (2)

DA 125. (DA 122) Jazz Dance I.
Beginning technique, training and understanding of the jazz dance discipline. (2)

DA 130. (DA 117) Ballroom Dance I.
Fundamental steps in ballroom dance, including the fox trot, waltz, swing, tango, and cha cha. (1)

DA 135 (DA 126). Tap Dance I.
Beginning technique, training and understanding of the tap dance discipline. (2)

DA 140. Body-Mind Conditioning I.
An activity-oriented exploration of the Pilates exercise program (the Physicalmind Method) and other body therapies. (1)

Introduction to the variety of line dances from the United States and around the world. (1)

DA 155. Capoeira I.
Introduction to the African-Brazilian “Art of Survival” that combines elements of dance, acrobatics, martial arts, music and ritual. (2)

DA 185 (DA 215). Movement Analysis.
Conceptual based exploration of human movement as the primary expression of dance and theatre. (3)

DA 190. Practicum in Dance Techniques I.
Directed individual study of selected dance techniques. Credit/no credit. Consent of instructor required. (1)

DA 210. (DA 116) Ballet II.
Intermediate level technique, training and understanding of the classical ballet discipline. Prerequisite: DA 110; consent of instructor. (2)

DA 219. (Cross-listed as PE 219) Theory and Practice of Dance.
Theory, skill development and teaching techniques of folk, children’s movements (basic rhythms/creative movement), recreational, ballroom, ballet jazz, and aero-bics. Laboratory class. (3)

DA 220. (DA 124) Contemporary Dance II.
Intermediate level study of contemporary dance techniques that are derived from traditional modern dance techniques. Prerequisite: DA 120; consent of instructor. (2)

DA 225. Jazz Dance II.
Intermediate level technique, training and understanding of the jazz dance discipline. Prerequisites: DA 125; consent of instructor. (2)

DA 230. Ballroom Dance II.
Continuation of DA 130, with additional instruction in various forms of swing and Latin styles. Prerequisites: DA 130; consent of instructor. (1)

DA 235. Tap Dance II.
Intermediate technique, training and understanding of the tap dance discipline. Prerequisites: DA 135; consent of instructor. (2)

DA 245. Line Dance II.
Continuation of DA 145, with intermediate level line dances from the United States and around the world. Prerequisites: DA 145; consent of instructor. (1)

DA 255. Capoeira II.
Intermediate level study of Capoeira and Maculele. Practice of movement, songs, musical instruments, and investigation into historical and cultural roots. Prerequisites: DA 155; consent of instructor. (2)

DA 285. (DA 330) Choreography I.
Practice in the craft of choreography and utilization of formal structures to compose dances as works of art. Prerequisite: DA 185. (3)

DA 290. Practicum in Dance Techniques II.
Directed individual study of selected dance techniques. Credit/no credit. Prerequisite: consent of instructor. (2)

DA 305. (Cross-listed as TH 305) Rehearsal and Production II.
Advanced laboratory course exploring various areas of performance, crew work, and all aspects of technical production through active participation in the mounting of departmental productions. May be repeated for credit. Prerequisites: Two credit hours of TH 105 and/or DA 105 or consent of instructor. (.5)

DA 310. Ballet III.
Advanced level technique, training and understanding of the classical ballet discipline. Prerequisites: DA 210; consent of instructor. (2)

DA 320. Contemporary Dance III.
Advanced level study of contemporary concert dance techniques that are derived from traditional Modern Dance techniques. Prerequisites: DA 220; consent of instructor. (2)

DA 325. Jazz Dance III.
Advanced level technique, training and understanding of the jazz dance discipline. Prerequisites: DA 225 or consent of instructor. (2)

An in-depth examination of the dance therapies involved in the physical and psychological therapeutic potential of movement. (3)

DA 385. Movement Improvisation.
Exploration of the fundamentals of movement improvisation as instantaneous group composition and performance technique. Prerequisite: DA 185. (2)

DA 390. (DA 414) (Cross-listed as TH 390) Topics in Dance.
In-depth research in history, criticism, aesthetics, education, and other topics in dance, including contemporary issues. Prerequisite: consent of instructor. (3)

Investigation of the kinesiology and physiology of the human body as it relates to dance. Prerequisite: DA 185. (3)

DA 400. (Cross-listed as MU 400 and TH 400) Senior Recital.
Public recital demonstrating ability to perform a variety of musical theatre genres. Required of all BFA Performing Arts students. Prerequisites: Senior status; consent of performing arts faculty member. (2)

Individual study in theatre or dance. (1-3)

DA 485. Choreography II.
Continued practice in the craft of choreography and utilization of formal structures to compose dance as works of art. Prerequisites: DA 285; DA 385. (3)

DA 490. Dance History.
Study of dance styles and traditions throughout history, primarily in Western culture after 1500. Prerequisites: DA 100; TH 100; TH 230; or consent of instructor. (3)

DA 498. (Cross-listed as TH 498) BFA Project.
Preparation, presentation, and assessment of a major artistic project. (2)

DA 499. (Cross-listed TH 499) Internship.
Practical involvement in a performing arts company/venue. Credit/no credit. (4)

See University Studies (UI) listings for descriptions of: UI 433. Aesthetics of Movement. (3)

Early Childhood Education (CE)
CE 330. Classroom Management.
Economics (EC)

Southeast Missouri State University 2003-04

Presents a preventative model of classroom management which includes comparison of various theories and discussion of general positive classroom practices. Prerequisite: A techniques of teaching course. (3)

CE 340. Parent/School Collaborations in Elementary/Early Childhood Education.
Emphasizes teacher and school administrator role in the development of parent/school partnerships, and techniques and strategies of effective collaboration. (3)

CE 365. Connecting Assessment and Curriculum in the Early Years (Birth-Age 8).
Studies assessment, including tests and informal methods such as observations and portfolios. Connects results to individual goals and classroom curricula. Prerequisites: Elementary Block II; CF 290; CF 291. (2)

CE 366. Developing Curriculum in Early Childhood Education.
Presents developmentally appropriate principles, techniques and materials for use in early childhood programs, and includes field experience. Prerequisites: Elementary Block II; CF 290; CF 291. (4)

CE 368. Early Childhood Education Field Experience.
Integration of appropriately designed field experiences with early childhood coursework taken in Early Childhood Block. Prerequisites: Elementary Block II; CF 290; CF 291. (3)

CE 370. Language Development of the Young Child.
Normal language development; theory, sequence, relationship to overall child development, informal assessment, stimulation of language development, management of minor problems. (2)

CE 433. Student Teaching Experience I.
Professional practicum requiring demonstration of MoSTEP Quality Indicators in school settings. Under the direction of cooperating teachers and university supervisors. (6) Prerequisite: In good standing in Teacher Education Program. Successful completion of PH218, UI318, PE308, and Student Teaching Experience I (CE435). Satisfactory MoSTEP Portfolio which demonstrates that all ten (1-10) MoSTEP Quality Indicators have been accomplished at the “Meets” level.

CE 502-504. Exemplary Programs in Early Childhood Education.
Study of innovative and exemplary programs at the regional, national and international level. Foreign and/or domestic travel required. Prerequisite: CE 366. (3)

Economics (EC)

An introduction to the domestic and international economic problems facing the United States today and an analysis of the policies designed to alleviate these problems. (University Studies course) (3)

EC 201. Selected Topics in Economics.
Important, current or specific economic topics which may confront the individual personally or as a member of society. May be repeated up to three times. (1)

U.S. market economic system. Demand, supply, competition, pricing, resource allocation concepts applied to issues in business, labor, and public policy. Prerequisites: AD 101 or IE 102; MA 134 or equivalent. (University Studies course) (3)

Economic concepts, institutions, theories and policies including study of national income, inflation, unemployment, banking system, money, growth and international economics. Prerequisites: EC 215 or AG 245; MA 134. (3)

EC 235. Free Market Economics.
Alternative methodology to conventional economics, praxeology, which stresses the deductive approach. Frequently referred to as the Austrian School. (3)

EC 335. Monetary Economics.
Analysis of money’s role in the U.S. economy. Emphasis on the Federal Reserve system and monetary policy. Prerequisites: EC 215; EC 225; MA 134. (3)

EC 340. Economics of Growth and Development.
Characteristics and problems of less developed countries. Criteria of growth and development with emphasis on strategies for development. Obstacles to economic growth and policies for promoting growth. Prerequisites: EC 215; EC 225; MA 134. (3)

EC 344. Environmental Economics.
Application of economic theory to problems faced by environmental managers and policy makers. Prerequisites: MA 134; EC 101 or EC 215. (3)

The evolution of economic thinking from ancient Greece to modern times. Examination of the interaction between underlying social and cultural conditions and economic thinking. Prerequisite: EC 101 or EC 215. (3)

Introduction to the process of data collection, model construction, hypothesis testing and prediction used by economists and social scientists. Prerequisites: MA 134; EC 101, EC 215, or EC 225; any college-level statistics course. (3)

EC 360. Managerial Economics.
Application of microeconomic theory to the practical problems faced by decision makers in business environment. Prerequisites: EC 215; MA 134. (3)

EC 380. Labor Economics.
The determination of wages, employment and the quantity and quality of work is examined. Prerequisites: EC 215; EC 225; MA 134. (3)

EC 381-383. Economics Internship.
Internship with a public agency or private business firm with approval of the Chair, Economics Dept. The field work will provide first hand experience in the operations of organizations, institutions and firms. Prerequisites: 75 hours of college credit with fifteen hours in economics, including EC 215 and EC 225; a GPA of 2.5 overall; 3.0 GPA in economic courses; recommendation by the department chairperson or designee. (1-3)

Directed individual study of special interest areas in economics. Prerequisites: Approval of department chairperson; a minimum of 75 semester hours completed; a minimum of 10 semester hours in economics; a minimum overall 2.5 grade point average or a minimum 2.75 grade point average in economics. (1-3)

EC 410. Macroeconomic Theory.
Analysis of an economy's overall level of output, employment and prices. Several schools of thought are considered. Prerequisites: EC 215; EC 225; MA 134. (3)

EC 420. Microeconomic Theory.
Leading theories of value and distribution with an analysis of price and output determination for firms and industries under various market conditions. Prerequisites: EC 215; EC 225; MA 134. (3)

EC 425. Industrial Organization.
The study of market structures in the U.S. economy. Applies microeconomic theory to industry studies, including elements of structure, conduct and performance. Prerequisites: EC 215; MA 134. (3)

EC 440. Regional Economic Growth & Development.
An examination of the economic forces influencing the performance of urban and regional areas, with a discussion of contemporary urban and regional economic problems. Prerequisites: EC 215; EC 225; MA 134. (3)

EC 470. Public Sector Economics.
The financing of national, state and local governments. Prerequisites: EC 215; EC 225; MA 134. (3)

EC 490. Business Forecasting.
Introduction to the various econometric forecasting techniques available to deal with economic and business prediction. Prerequisites: EC 215; EC 225; MA 134; introductory statistics. (3)

EC 498. Economics Seminar.
Assigned readings and a paper designed around a specific economic issue. Intended to integrate economic analysis and reasoning from both macro and microeconomic perspectives. Co-requisites/Pre-requisites: EC 410; EC 420. (1)

EC 525. Public Policy Economics.
Economic analysis of the functions of government in a market economy. Prerequisites: EC 215; EC 225; MA 134. (3)

Development and maintenance of trade between nations; trade policies, exchange rate determination, financial activities involved. Prerequisites: Minimum grade of "C" in EC 215, EC 225 and MA 134; senior standing. (3)

EC See University Studies (UI) listings for description of:
UI 322. International Political Economy (3)
UI 349. Comparative Economic Systems. (3)
UI 366. Law and Economics. (3)
UI 371. Government and Business. (3)
Education (ED)

ED 100. Improving College Reading.
For students who desire to improve vocabulary and increase critical reading skills. (3)

For all non-native English speaking international students who need to improve reading skills in vocabulary and comprehension. Prerequisite: ED 098 or score above 23rd percentile on standardized reading test. (3)

ED 255. Children and the Arts.
To enable the student to integrate dance, music, theatre, and visual art in the educational setting. Prerequisite: MU 356 or approved equivalency after fall 98 semester. (3)

ED 265. The Junior High and Middle Schools.
History, development, and unique problems of junior high/middle schools, characteristics of students and strategies for teaching in those schools. (2)

ED 480-482. Independent Study in Education.
Directed individual study of problems and special topics in education. Open only to students pursuing the B.S. in Education degree. (1-3)

EF 200. School and Society.
An introductory study of schooling as the principal institution by which American society educates its citizens for life in a democratic social order. Prerequisites: Admission to Teacher Education Program; Secondary Block I; US 105 or US 107; PS 103. Corequisite: Secondary Block II. (2)

EF 400. Seminar in Educational Issues for Student Teachers.
A seminar connecting student teaching and current educational issues in American schooling, requiring completion of MOSTEP portfolio. Prerequisite: Secondary Blocks I, II, & III. Corequisite: Student teaching. (1)

EF 592. Philosophy of Education.
A study of the nature of philosophical inquiry in education. Course includes consideration of traditional and contemporary educational thought and the philosophical analysis of the problems of education. (3)

Educational Media (EM)

EM 102. Technology and the Teacher’s Role.
An overview of technological tools available to educators; includes experience with computer applications. (1)

Electronics Technology (ET)

ET 100. Networking Fundamentals and Router Technologies.
Focus on OSI networking model, network topologies, IP addressing, subnet masks, basic network design, beginning router configurations, routing protocols, and introduction to LAN switching. Prerequisite: Basic computer literacy: Windows and DOS. (3)

Focus on advanced router configuration, LAN switching, network management, advanced network design, advanced management projects. Prerequisite: ET 100. (3)

ET 160. Basic Electricity and Electronics.
Properties and applications of electric circuit elements, Ohm’s and Kirchoff’s laws; node and loop equations; AC sources and impedance; magnetic circuits; and digital systems. (3)
ET 162. DC/AC Principles and Circuits I.
A study of basic DC and AC circuits, devices, meters, including theory, practical applications, and troubleshooting. (3)

ET 164. DC/AC Principles and Circuits II.
An advanced study of DC and AC circuits and devices such as seriesparallel circuits, reactive circuits, filter resonant circuits, and transformers, including computer simulations. Prerequisite: ET 162. (3)

Introduction to Programmable Logic Controls (PLC), principles of how PLC's work and providing practical information and skills about installing, programming, and troubleshooting. Prerequisite: ET 160 or ET 162 or consent of instructor. (3)

ET 260. Electronic Circuit Design and Analysis I.
Fundamentals of semiconductor materials, diodes, transistors, basic circuit configurations, analysis, computer simulation, design, and application. Prerequisite: ET 164. (3)

ET 261. Residential Wiring.
Study of the design and application techniques of residential electrical wiring consistent with the National Electric Code. (3)

ET 262. Electronic Circuit Design and Analysis II.
Fundamentals, analysis, design, computer simulation and application of power amplifiers, filters, oscillators, operational amplifiers, solid-state switching, thyristors, and voltage regulators. Prerequisite: ET 260. (3)

ET 263. Photovoltaics and Optoelectronics.
Introduction to transmission of information through fiber conductors and generation of electrical energy by means of the photovoltaic effect. Prerequisite: ET 262. (3)

ET 361. Communications Systems.
A study of basic theory, devices, circuits, and systems for the transmission and reception of AM, FM, and PM signals, transmission lines, microwave measurements, waveguides, coaxial lines, tees, couplers, resonant cavities, mixers, detectors, and switches used in communication systems. Prerequisite: ET 262 and PH 120. (3)

ET 364. Logic Circuits.
Analysis, design and application of digital devices and circuits including: gates, flipflops, counters, arithmetic circuits, multiplexing, demultiplexing, encoders, decoders, and latches. Prerequisite: ET 262. (3)

Generation, distribution and consumption of electrical power. Fundamentals, selection and applications of direct current motors, single-phase and three-phase motors, transformers, motor controls including variable frequency drives. Prerequisite: ET 160 or ET 162. (3)

ET 366. Microcontrollers.
Introduction to microcontroller based systems including system architecture, instruction set, addressing modes, system timing, system interfacing, and troubleshooting. Prerequisites: ET 364 or EP 305. (3)

A study of the SSI, MSI, LSI, VLSI, programmable logic and memory chips that make up the modern microcomputer. Prerequisite: EP 305 or ET 364. (3)

OSI networking and topologies, beginning router configurations, routing protocols, and introduction LAN switching. Prerequisite: basic computer literacy. (3)

ET 460. Pulse Circuits.
Analysis, design and application of pulse circuits including multivibrators, timers, clock circuits, filtering and wave shaping. Prerequisite: ET 262. (3)

ET 462. Networking I.
A study of basic knowledge, physical layer, data link layer, network layer, transport layer, TCP/IP fundamentals, remote connectivity and security of networks. Prerequisite: ET 364 or EP 305. (3)

ET 464. Telecommunications & Networking II.
A study of technical topics related to managing telecommunications and the Internet. Projects and exercises will complement conceptual coverage to provide a real-world context. Prerequisite: ET 462. (3)

A study of the installation and repair of major computer peripherals including printers, disk driver and display. Prerequisite: ET 364; EP 305 or ET 101. (3)

ET 466. Industrial Instrumentation.
Measuring industrial parameters and converting to coded electrical impulses, converting these impulses to sensory perceived displays. Prerequisite: ET 460. (3)
A study of process controls fundamentals (PI, PD, PID), sensors, transducers, actuators, and distributed controls, and their industrial/commercial applications using programmable controllers. Prerequisite: ET 194, ET 365, and ET 366 or consent of the instructor. (3)

**ET 470. Energy Management.**
A study of energy auditing, rate structures, economic evaluation techniques, lighting efficiency improvement, HVAC optimization, combustion and use of industrial waste, steam generation and distribution system performance, Distributed Digital Control systems, process energy management, and maintenance considerations. Prerequisites: ET 365; computer skills; or consent of instructor. (3)

**Elementary Education (EL)**

**EL 120. Elementary Block I: Field Experience.**
An entry level course for students wishing to pursue a career in the field of education. Corequisite: PY 120 or CF 120. (2)

**EL 210. Integrating Technology Into the Classroom.**
This class will provide an in-depth look at the use of existing computer-based technologies as they relate to teaching and learning. Prerequisites: EM 102 or permissions of instructor. (3)

**EL 260. Elementary Block II: Field Experience.**
Field experiences for the implementation of Block II content course requirements. Prerequisite: Elementary Block I and LI243. (3)

**EL 261. Theories of Learning and Management: Elementary.**
A field-based course with emphasis upon the impact of learning theories, effective classroom environments, developmentally appropriate instruction, and student diversity. Prerequisite: Elementary Block I and LI243. (2)

**EL 262. Foundations of Reading Techniques.**
This field based course focuses on competencies of pedagogy of teaching reading. Prerequisite: Elementary Block I and LI243. (3)

**EL 263. Foundations of Language Arts Techniques.**
This field-based course teaches competencies for teaching and learning the language arts (reading, writing, speaking, listening, viewing, and visual representation). Prerequisites: Elementary Block I and LI243. (2)

**EL 274. Diversity in America’s Schools.**
Exploration of race, ethnicity, and gender issues in schooling today. (3)

**EL 308. Diagnosis and Remediation of Learning Difficulties in Mathematics.**
Designed specifically to help teachers learn to use a diagnostic and prescriptive approach in teaching remedial mathematics. Prerequisite: MA 118. (3)

**EL 312. Multimedia in the Classroom.**
This class will provide an in-depth look at the use of existing multimedia technology and software as they relate to teaching and learning. Hardware includes CD-ROM, DVD, laserdisc, and multimedia computers. Prerequisite: EL 210. (3)

**EL 321. Using the Internet in the Classroom.**
This class will provide an in-depth look at the use of the Internet, World Wide Web, and e-mail as they relate to teaching and learning in the classroom. Prerequisite: EL 210. (3)

**EL 350. Elementary Block III: Field Experience.**
Integration of appropriate field experiences with course work taken in Elementary Block III. (3)

**EL 351. Teaching Science in the Elementary School.**
This field-based course focuses on understanding the elementary science program and related methods and materials. Prerequisites: Elementary Block II, BS118, and BS218 or PH218. (2)

**EL 352. Teaching Social Studies in the Elementary School.**
This field-based course focuses on understanding the elementary social studies program and related methods and materials. Prerequisite: Elementary Block II, US105 or US107, PS103, EC101 and UI308. (1)

**EL 353. Techniques of Teaching Elementary Mathematics.**
This field-based course focuses on understanding the elementary mathematics program and related methods and materials. Prerequisite: Elementary Block II, MA118, and MA318 or MA418. (2)

**EL 354. Corrective Reading Instruction.**
This field-based course teaches the use of literacy assessment techniques to enhance teachers’ ability to plan appropriate literacy experiences. Prerequisite: Elementary Block II. (3)

**EL 355. Reading Study Strategies and Skills.**
This field-based course teaches strategies for the development of communication arts and enhances students' ability to apply these strategies. Prerequisite: Elementary Block II. (2)

**EL 453. Student Teaching Experience I.**
Professional practicum requiring demonstration of MoSTEP Quality Indicators in school settings. Under the direction of cooperating teachers and university supervisors. (6) Prerequisite: In good standing in Teacher Education Program, successful completion of MA418, PH218, UI318, PE309, and MoSTEP Quality Indicators 1, 2, 4, 5, 6, 7, and 9 at the “Meets” level.

**EL 454. Student Teaching Experience II.**
Intensive professional practicum requiring superior demonstration of MoSTEP Quality Indicators in school settings. Under the direction of cooperating teachers and university supervisors. (6) Prerequisite: In good standing in Teacher Education Program, successful completion of MA418, PH218, UI318, PE309, and Student Teaching Experience I (EL453). Satisfactory MoSTEP Portfolio which demonstrates that all ten (1-10) MoStep Quality Indicators have been accomplished at the “Meets” level.

**EL 455. Student Teaching Experience I.**
Professional practicum requiring demonstration of MoSTEP Quality Indicators in school settings. Under the direction of cooperating teachers and university supervisors. (8) Prerequisite: In good standing in Teacher Education Program, successful completion of MA418, PH218, UI318, PE309, and MoSTEP Quality Indicators 1, 2, 4, 5, 6, 7, and 9 at the “Meets” level. See University Studies (UI) listings for description of: UI 347. Living in a Global Society. (3)

**Engineering Physics (EP)**

**EP 100. Physics & Engineering Concepts.**
An introduction to the fields of physics and engineering, including methods of analysis and computer applications packages: word processing, spreadsheets, MathCad. Eight-week course. Fall only. Pre or corequisites: MA 133; MA 134; or equivalents. (1)

**EP 260. Circuit Analysis I.**
Direct-current circuits; circuit elements; Kirchhoff’s laws; mesh and nodal analysis; network theorems; natural, forced, and complete circuit response. Spring only. Prerequisites: PH 231/031; MA 240. (3)

Bodies in equilibrium. Vectors and vector algebra; forces, moments, and couples; equivalent force systems; frictional forces; structural analysis; distributed forces and properties of surfaces. Fall only. Prerequisite: PH 230/030. Corequisite: MA 240. (3)

Bodies in accelerated motion. Kinematics and dynamics of particles; work and energy; impulse and momentum; kinetics and dynamics of rigid bodies; mechanical vibrations. Spring only. Prerequisite: EP 261. (3)

**EP 265. Circuit Analysis II.**
Steady-state AC circuits; AC power; polyphase circuits; complex frequency; frequency response; magnetically-coupled circuits; two-port networks; Laplace transforms; and Fourier analysis. Fall odd years. Prerequisite: EP 260. (3)

**EP 305. Digital and Analog System Design.**
Logic circuit analysis and design; analog circuits including op-amp applications, analog to digital converters, and data acquisition systems. Students are expected to design and construct several projects. One lecture and two 2-hour labs. Spring only. Prerequisites: PH 121 or PH 231 or equivalent. (3)

**EP 310. Microcomputer Interfacing.**
Introduction to microprocessors and microcomputers; computer hardware and software; interfacing microcomputers for data acquisition in scientific experiments; use of microcomputers in digital control systems. One lecture and two 2-hour labs. Fall only. Prerequisite: EP 305. (3)

**EP 342. Electronic Circuits I.**
Diodes and applications; bipolar junction transistors (BJT); BJT amplifiers; smallsignal models; frequency response; feedback; operational amplifiers; active filters; oscillators. Two hours lecture, two hours lab weekly. Spring only. Prerequisite: PH 121/021 or PH 231/031. (3)

**EP 352. Electronic Circuits II.**
Physics, biasing, and smallsignal models of JFET’s and MOSFET’s; power amplifiers. Emphasizes design problems in electronic circuits. Two hours lecture, two hours lab weekly. Fall even years. Prerequisites: EP 342. (3)
Thermodynamic laws and processes; heat transmission; kinetic theory. Applications to heat engines, turbines, refrigeration, and heat exchangers. Fall even years. Prerequisites: PH 231/031; MA 245. (3)


Control theory of electrical, mechanical, and electromechanical systems; system elements; system equations and models; system excitation and response; frequency, time, and state space analysis of linear systems. Spring even years. Prerequisite: EP 372. (3)

EP 411-413. Industrial Internship in Physics.
A supervised learning and work experience in applied physics which enhances the student's understanding of the applications of physical principles to problems in academic and industrial environments. On demand. (1-3)

Techniques of measurement; energy conversion, sensors and transducers; principles and operation of instruments for measurement; data acquisition and processing; automatic control and control elements. On demand. Prerequisites: PH 231/031; MA 245. (3)

Use of computers for the solution of physics and engineering problems in mechanics, thermodynamics, electromagnetics, modern physics, applied optics, and selected problems in quantum mechanics. Programming involves Fortran, Turbo Basic, Matlab and Mathcad. Spring even years. Prerequisites: PH 231/031; MA 245; MA 334. (3)

The solid state; structure of solids; mechanical, chemical, thermal, electrical, magnetic and optical properties of materials; behavior of materials in engineering applications. Spring odd years. Prerequisites: PH 121/021 or PH 231/031; CH 185. (3)

EP 480. Capstone Design I.
Each student designs, builds, and tests a simple engineering project. Lectures are given on ethics, professionalism, safety, and economic considerations. Fall only. Corequisite: PH 345. (1)

EP 481. Capstone Design II.
Student teams complete an engineering design project. Emphasizes design prototyping, testing, evaluation, and documentation. Time management, group dynamics, teamwork, ethics, and economics. Spring only. Prerequisite: EP 480. (3)

English (EN)

EN 001. Writing Portfolio.
A non-credit forum for undergraduate English B.A. majors (Literature and Writing) to complete the portfolio requirement of that degree program. Students will finalize revisions of the documents they have been accumulating throughout their undergraduate careers. (0)

EN 099. Writing Skills Workshop.
In-class workshop and individual tutorials in written communication. Students who do not earn a grade of 'C' or better are given "no credit" and must repeat the course. For students who score below requisite level on University Placement Test. (3)

EN 100. English Composition.
Focus on techniques of effective written expression. Prerequisite: EN 099 or TL 110 or appropriate score on University Placement Test. Pre or corequisite: TL 105 or appropriate score on University Placement Test. (3)

EN 115. Experiencing English Language and American Culture.
As an immersion program of the English language and American culture, this is an elective course limited to English as a Second Language (ESL) students. The participants will share a residence for one semester with an American roommate. (1)

EN 140. Rhetoric and Critical Thinking.
Focus on effective written expression in the context of a liberal education; emphasis upon critical thinking and the research paper. Prerequisite: EN 100 or advanced placement. (University Studies course) (3)

EN 190. Writing and the Environment.
Focus on effective written expression, with particular emphasis on environmental issues; emphasis upon critical thinking and the research paper. All students must complete a servicelearning project. (University Studies course) (3)
EN 201. Writing About Literature.
Focuses primarily on the writing process within the academic discipline of literature. Emphasis on various critical theories of reading and their application to the writing process as well as to research in the field of English studies at the undergraduate level. Prerequisite: EN 140. (3)

EN 230. Intermediate Composition.
Workshop/tutorial for students achieving less than a 'B' in freshman composition or intending to repeat the 75-hour writing competency test. Applicable to the Teacher Education composition requirement. Prerequisite: EN 140. (3)

EN 275. Introduction to Creative Writing.
Theory and practice in various forms of poetry and short fiction. Prerequisite: EN 140. (3)

EN 300. Professional Written Communication.
Problem-solving and writing skills for business/professions/industry/science pertaining to interviews, resumes, reports, proposals and letters. Prerequisite: EN 140. (3)

EN 301. Writing for Science and Technology.
Practice in design and writing of technical and scientific literature, such as abstracts, lab notebooks, feasibility studies, research proposals, and reports for journals and conferences. Prerequisite: EN 140. Pre or corequisite: EN 105 or appropriate score on University Placement Test. (3)

EN 311. Literary Manuscript Editing Practicum
A skills course for students who wish to study and practice the proofreading and copyediting of manuscripts which will include literary magazines, independent-press novels and poetry collections, memos, brochures, newsletters, and mass-media articles. (3)

EN 345-347. Independent Study in English.
Study of topics not included in the basic curriculum. (1-3)

EN 375. Intermediate Creative Writing.
For undergraduates who desire to improve their imaginative writing in fiction and poetry. In addition to special problems assigned, students will complete a portfolio of their work. (3)

EN 376. Advanced Composition.
Writing technique in stylistics, expository forms, analyses and criticism. Rhetorical emphasis on writer and audience. Prerequisites: EN 140; any 200-level literature course. (3)

Traditional and modern American grammar and usage. Prerequisites: EN 140; any 200-level literature course. (3)

Reviews current composition theory; emphasis on examining student's writing processes and on practical matters of high school composition instruction: design, evaluation, and sequencing of assignments. Prerequisites: EN 140; any 200-level literature course. Fall only. (3)

Studies types of children's writings, evaluation techniques, and teacher's role in (1) identifying and developing children's writing readiness; (2) introducing children to writing; and (3) motivating children to write. Prerequisites: EN 140; any 200-level literature course. (3)

EN 381. Language Acquisition.
Introduction to theories of language acquisition, stages in language development, a thorough description of the language of children, and methods of evaluating and extending children's language skills. Prerequisites: EN 140; any 200-level literature course. (3)

EN 385. Literature for the Secondary Classroom.
Investigation of successful application of literary theory in the secondary school through the use of multicultural literature, with emphasis on instructional practice that engages learners in critical response to all literary genres. Spring only. (3)

EN 435. Internship in English.
Practical experience in writing in a professional organization. Prerequisites: English major; 75 hours; 9 hours in major option; cumulative GPA of 2.75; major GPA of 3.0. (3)

EN 470 (EN 573). Advanced Creative Writing: Poetry.
For undergraduate students who wish to create imaginative writing in poetry, including open form, the formal poem, and the prose poem. In addition to workshop sessions and special problems assigned in class, at least eight imaginative works in poetry must be completed during the term. Prerequisites: EN 140 or equivalent; EN 275 or consent of instructor; any 200-level literature course except LI 243. (3)

EN 478 (EN 574). Advanced Creative Writing: Fiction.
Environmental Science (EV)

EN 201. Environmental Science Seminar.
Consideration of topical environmental issues. Required for environmental science majors; to be taken in sophomore year. Meets concurrently with EV 401. Prerequisites: Minimum of 12 hours in the natural sciences, and sophomore status. (1)

EV 344 (Cross-listed as EC 344). Environmental Economics.
Application of economic theory to problems faced by environmental managers and policy makers. Prerequisites: MA 134; EC 101 or EC 215. (3)

EV 350 (Cross-listed as CH 350). Environmental Chemistry.
A study of the sources, reactions, transport, and fate of chemical entities in the air, water, and soil environment as well as their effects on human health and the environment. Prerequisites: CH 234 or CH 343, or consent of instructor. (3)

EV 401. Environmental Science Seminar.
Consideration of topical environmental issues. Required for environmental science majors; to be taken in senior year. Meets concurrently with EV 201. Prerequisites: EV 201, minimum of 30 hours in the natural sciences, and senior status. (1)

EV 443 (Cross-listed as BI 443). Epidemiology.
Introduction to basic concepts, methods and applications of infectious disease, chronic disease and environmental epidemiology focused on epidemiological reasoning processes. Three lectures. Prerequisites: BI 200; MA 134. (3)

EV 453 (Cross-listed as BI 453). Occupational Health.
Introduction to the factors influencing occupational incidents and the adverse interactions of environmental and occupational chemical/physical agents with
EV 454 (Cross-listed as BI 454). Risk Assessment Applications.
Introduction to concepts, terminology, methods, and applications of qualitative and quantitative health and ecological risk assessment and risk communication. Prerequisites: Junior standing; CH 181 or CH 185. (3)

EV 455 (Cross-listed as BI 455). Industrial Hygiene.
The study of chemical and physical hazards in the occupational environment and the methods used for their evaluation and control. Prerequisites: Junior standing; BI 200; CH 186; MA 134. (3)

EV 460 (Cross-listed as BI 460). Introduction to Toxicology.
Introduction to the fundamental principles of toxicology, toxic agents, toxicity testing, mechanisms of toxicity, toxic effects, sources of exposure, and applications of toxicology. Prerequisites: Junior standing; BI 200; ZO 200; CH 186. (3)

Special topics in environmental science typically unavailable in the departmental curriculum. May be taken more than once. Prerequisites: EV 201; consent of instructor. (1-3)

EV 475. Readings: Environmental Science.
Consideration in depth of subject matter ordinarily unavailable in the departmental curriculum through reading and discussion of assigned material. May be taken more than once. Prerequisites: EV 201; consent of instructor and permission of the program director. (2)

EV 481-483. Internship in Environmental Science.
A supervised experiential learning opportunity in environmental science which enhances the student's comprehension of applied environmental concepts and skills. May be taken more than once. Prerequisites: EV 201; internship learning site must exhibit a demonstrated relationship to the student's major; approval of program internship coordinator. (1-3)

Original individual research on an environmental science problem of interest to the student. May be taken more than once. Prerequisites: EV 201; consent of instructor and permission of program director. (1-3)

Introduction to the performance of investigative and remedial activities at hazardous waste sites. Three-hour lecture and one mandatory field exercise. Prerequisites: CH 185; CH 186; EV/BI 455; or permission of instructor. (3)

See University Studies (UI) listings for descriptions of:
UI 387. Environmental Law and Public Policy. (3)
EX 302. Language Development of Exceptional Children.
Overview of atypical language development; problems in acquisition of language skills birth through school age; management of speech/language problems by teachers. Prerequisite: Block II or consent of instructor. (2)

EX 304. Behavior Management.
Theoretical background and rationale for managing student behavior. Emphasizes practical application of respondent, operant and social learning principles. Prerequisite: Block II. (3)

EX 305. Teaching Strategies and Career Awareness for Mildly Handicapped Adolescents.
Emphasis on program alternatives and methods for teaching adolescents with mild disabilities enrolled in secondary school programs. Prerequisite: Block II. (3)

Emphasizes role of teachers of exceptional children as parent partners. Stresses methods for collaborating with parents, strategies for accessing community resources. Prerequisite: EX200. (3)

EX 309. Exceptional Child Education Field Experience Block IIIA.
Integration of appropriately designed field experiences commensurate with exceptional child coursework taken in Block IIIA. Prerequisites: Blocks I, II, and III. (3)

EX 313. Implementing and Evaluating Interventions in Early Childhood Special Education.
Study of curriculum concerns and evaluation methods for working with families and young children with disabilities. (3)

EX 323. Techniques of Teaching Individuals with Mental Retardation.
Focuses on appropriate activities and teaching strategies to facilitate learning by individuals with mental retardation. Emphasis on practical application of skills. Prerequisites: EX 220 and Block II. (2)

EX 333. Techniques of Teaching the Learning Disabled.
Presentation of various instructional procedures and methods for teaching students with learning disabilities, emphasizing practical application of skills, EX230 and Block II. (2)

EX 343. Teaching Individuals with Emotional/Behavior Disorders.
An in-depth study of the competencies and skills needed to teach individuals with emotional/behavior disorders. Prerequisites: EX 240 and Block II. (2)

EX 373. Techniques of Teaching the Mild/Moderate Cross-Categorical.
Methods and materials needed in teaching students with mild/moderate disabilities K-12 in cross-categorical settings will be studied. Academic, perceptual, cognitive, pre-vocational, and social skills will be emphasized. Prerequisite: EX 273. (3)

EX 390. Psychology and Education of the Exceptional Child.
Characteristics and education of exceptional children, including mental retardation; learning disabilities; behavior disorders; visual, hearing, speech language, physical impairment; gifted. (3)

EX 422. Student Teaching with the Mentally Handicapped.
Intensive professional practicum requiring superior demonstration of MoSTEP Quality Indicators in school settings. Under the direction of cooperating teachers and university supervisors. (6) Prerequisite: In good standing in Teacher Education Program. Successful completion of Student Teaching Experience I (EL455, EX428, EX438, EX448, or EX478). Satisfactory MoSTEP Portfolio which demonstrates that all ten (1-10) MoSTEP Quality Indicators have been accomplished at the “Meets” level.

EX 428. Student Teaching with Mentally Handicapped.
Professional practicum requiring demonstration of MoSTEP Quality Indicators in school settings. Under the direction of cooperating teachers and university supervisors. (8) Prerequisite: In good standing in Teacher Education program, successful completion of MoSTEP Quality Indicators 1, 2, 4, 5, 6, 7, and 9 at the “Meets” level.

EX 432. Student Teaching with the Learning Disabled.
Intensive professional practicum requiring superior demonstration of MoSTEP Quality Indicators in school settings. Under the direction of cooperating teachers and university supervisors. (6) Prerequisite: In good standing in Teacher Education Program. Successful completion of Student Teaching Experience I (EL455,
EX 438. Student Teaching with the Learning Disabled.
Professional practicum requiring demonstration of MoSTEP Quality Indicators in school settings. Under the direction of cooperating teachers and university supervisors. (8) Prerequisite: In good standing in Teacher Education Program, successful completion of MoSTEP Quality Indicators 1, 2, 4, 5, 6, 7, and 9 at the “Meets” level.

EX 442. Student Teaching with the Behaviorally Disordered.
Intensive professional practicum requiring superior demonstration of MoSTEP Quality Indicators in school settings. Under the direction of cooperating teachers and university supervisors. (6) Prerequisite: In good standing in Teacher Education Program, successful completion of MoSTEP Quality Indicators 1, 2, 4, 5, 6, 7, and 9 at the “Meets” level.

EX 448. Student Teaching with the Behaviorally Disordered.
Professional practicum requiring demonstration of MoSTEP Quality Indicators in school settings. Under the direction of cooperating teachers and university supervisors. (8) Prerequisite: In good standing in Teacher Education Program, successful completion of MoSTEP Quality Indicators 1, 2, 4, 5, 6, 7, and 9 at the “Meets” level.

EX 472. Student Teaching with the Mild/Moderate Cross-Categorical.
Intensive professional practicum requiring superior demonstration of MoSTEP Quality Indicators in school settings. Under the direction of cooperating teachers and university supervisors. (6) Prerequisite: In good standing in Teacher Education Program, successful completion of MoSTEP Quality Indicators 1, 2, 4, 5, 6, 7, and 9 at the “Meets” level.

EX 478. Student Teaching with Mild/Moderate Cross-Categorical.
Professional practicum requiring demonstration of MoSTEP Quality Indicators in school settings. Under the direction of cooperating teachers and university supervisors. (8) Prerequisite: In good standing in Teacher Education Program, successful completion of MoSTEP Quality Indicators 1, 2, 4, 5, 6, 7, and 9 at the “Meets” level.

EX 484-486. Independent Study in Exceptional Children.
Directed individual study of problems and special topics in exceptional child education. Open only to students pursuing the B.S. in Exceptional Child Education degree. (1-3)

EX 514. Practicum in Early Childhood Special Education.
Clinical/classroom experience in selection of instructional goals, objectives, teaching strategies, evaluation techniques for children with disabilities birth through five years. Prerequisites: Consent of instructor. (3)

This course will prepare students to work with individuals across cultures who are at the non-verbal language development stage. Prerequisite: EX390 or EX200. (3)

Family Economics And Management (FE)

FE 303. Management of Family Resources.
Study of basic management with emphasis on application to management of family resources and constraints in achieving value-oriented goals. (3)

Applying theoretical knowledge of management to personal and family life in clinical settings. (2)

FE 514. Family Financial Management.
Financial planning and decision making with emphasis on credit, insurance, investments, home ownership, estate planning. (3)

See University Studies (UI) listings for description of: UI 355 Consumer and the Market. (3)
Finance (FI)

FI 260. Personal Finance.
Study of personal financial decisions including investments, real estate, insurance, personal taxes, estate planning, tax shelters and financial planning. (This course is not applicable on Accounting or Finance majors.) (3)

FI 351. Principles of Insurance.
Survey course covering general principles of insurance. Prerequisite: Junior standing. (3)

FI 361. Financial Management.
Financial structure and problems of modern business corporations. Prerequisites: AC 222, EC 225, with a minimum grade of 'C'; junior standing. (3)

Emphasis is placed on the examination of the financial policies of corporations pertaining to dividend policy, capital structure, and investment. Prerequisites: FI 361 with a minimum grade of 'C'; QM 257 with a minimum grade of 'C'. (3)

FI 363. Small Business Finance.
Emphasis is on financial problems facing the small business. Such problems include funding, working capital management, and capital budgeting. Prerequisite: FI 361 with a minimum grade of 'C'. (3)

FI 364. Modern Financial Institutions.
Comprehensive survey of the role of each of the major financial institutions in our economy. Prerequisite: FI 361 with a minimum grade of 'C'. (3)

FI 365. (FI 341) Real Estate Principles and Practices.
Study of the nature of real estate and its ownership. The course is a survey of real estate topics that includes fundamental principles of real estate investment, appraisal, mortgage finance, brokerage and development. Prerequisites: FI 361 with a minimum grade of 'C'; junior standing. (3)

FI 368. Investments.
First course in investments. Provides information on planning an investment program, selection of securities, growth stocks and related topics. Prerequisite: QM 257 with a minimum grade of 'C'. (3)

FI 468. Portfolio Seminar.
Examination of the concepts relating to modern portfolio theory. Topics include EMH, risk, portfolio performance, and related topics. Prerequisite: FI 368 with a minimum grade of 'C'. (3)

FI 473. Internship in Finance.
A supervised learning and work experience in finance which enhances finance courses taken on campus. On demand. (3)

FI 475. Futures Seminar.
Fundamentals, strategies, and applications of agricultural and financial futures contracts and markets. Prerequisites: Senior standing and FI 368 with a minimum grade of 'C' or consent of department chairperson. (3)

FI 480. Financial Policy.
A case course that examines the complex issues of establishing financial policy for organizations, i.e., appropriate capital structure, dividend policy, etc. Prerequisites: FI 362 with a minimum grade of 'C'; senior standing. (3)

FI 481-483. Problems in Finance.
Directed study of special problems in finance through seminars, workshops, forums, etc. On demand. (1-3)

FI 491-493. Independent Study in Finance.
Intensive study of special problems related to finance. (1-3)

FI 540. (FI 440) International Finance.
An examination of the operations and financial strategies of multinational firms within a global environment. Prerequisites: FI 361 with a minimum grade of 'C'; senior standing. (3)

Food And Nutrition (FN)

FN 150. Perspectives on Food Services and Hospitality Management.
An introduction to management opportunities in food service and hospitality organizations, internal operation, travel and tourism, and other career options. Overview of career requirements, potentials, and constraints. (1)

FN 205. Selection and Preparation of Foods.
Basic principles in the culinary arts including food selection, recipe utilization, and food production in a lecture and laboratory setting. (3)

This course examines, analyzes, and evaluates the relationships between the science of nutrition, health, and well-being. (3)

FN 255. Nutrition I.
The foundations of human nutrition based on the principles of chemistry and molecular biology. Prerequisite: CH 181/001/081 or CH 185/005/085 or consent of instructor. (3)

Personnel selection and training principles are related to sound sanitation policies, practices, and procedures in the foodservice and hospitality industry. Foodservice sanitation certification is available through the National Restaurant Association. Prerequisites: FN 150; or consent of instructor. (3)

FN 270. Hotel and Resort Operations.
Introduction and overview of guest services, operations of front and back offices, systems interaction, and guest experience in hotel and resort organizations. Prerequisites: FN 150 or GG 125 or consent of instructor. (3)

FN 320. Advanced Food Preparation.
The application of food science principles and their effects on product quality, recipe development, nutritive value and current assessment techniques. (4)

FN 325. Hospitality Law.
Legal ramifications of operating a hospitality organization emphasizing loss prevention, regulatory agencies, the employer's responsibility to guests and employees. (3)

FN 340. Professional Dietetic Seminar.
Critical analysis of career options in dietetics and the impact of legislation, professional ethics, and standards on current dietetic practice/procedures. Prerequisite: FN 235 or FN 255. (1)

A study of nutrition principles related to various stages in the life cycle. Prerequisites: FN 235; CH 185; CH 186. (3)

Demonstration and use of methodologies assessing food and nutrition behaviors and status of individuals and groups in clinical and community settings. Prerequisite: FN 235 and/or FN 255. (3)

FN 406. Hospitality and Institution Administration.
Food service systems management concepts, tools, and functions are used to meet organizational goals through effective leadership and problem solving applications. Prerequisites: FN 205; FN 320; or consent of instructor. (3)

FN 416. Quantity Food Production.
Menu planning preparation, sanitation and service in a quantity production environment. One 2 hour lecture and two 2-hour lab. Prerequisites: FN 205; FN 320; FN 406; or consent of instructor. (4)

FN 420. Management by Menu.
To plan successful ethnic menus that incorporate costing, evaluation, analysis, food management software, and production efficiency in the planning process. (3)

Essentials of health, nutrition and safety as applied to the well-being of the child from conception through age eight. (3)

A systems approach to hospitality and foodservice procurement including needs assessment, value analysis, product selection, specification, receiving, storage and distribution. Budgetary, legal, and ethical issues of purchasing are explored from a managerial perspective. Prerequisite: FN 150. (3)

FN 473. Internship in the Foodservice Environment.
A career-related work experience in Foodservice Management. The internship focuses on skill development in an environment that allows application of principles and concepts previously acquired in the classroom. Prerequisites: FN 150; FN 205; FN 235; FN 260; FN 406; FN 416; FN 440; 75 hours completed; 2.5 cumulative GPA and 2.5 GPA in major. (4)

FN 474. Internship in the Hospitality Environment.
A career-related work experience in Hospitality Management. The internship focuses on skill development in an environment that allows application of principles and concepts previously acquired in the classroom. Prerequisites: FN 150; FN 205; FN 235; FN 260; FN 406; FN 416; FN 440; 75 hours completed; 2.5 cumulative GPA and 2.5 GPA in major. (4)

FN 502. Nutrition II.
Study of metabolism of proteins, fats and carbohydrates, stressing the action and interaction of nutrients within the human body. Prerequisite: FN 235; FN 355; BS 114/014; CH 181/081/001; CH 234. (3)

**FN 503. Medical Nutrition Therapy I.**
Part one of the in-depth study of pathophysiology and the principles of medical nutrition therapy for various disease states. Three hours lecture and 2 hours lab. Prerequisites: FN 235 and/or FN 255; FN 355; FN 502; BS 113/114; CH 234 or permission of instructor. (4)

**FN 504. Medical Nutrition Therapy II.**
Part two of the in-depth study of pathophysiology and the principles of medical nutrition therapy for various disease states. One hour lecture and 6 hours clinical rotation. Prerequisite: FN 503 or consent of instructor. (4)

**FN 515. Financial and Economic Aspects of Foodservice and Hospitality Management.**
A practical introduction to the financial practices and procedures in the contemporary economy applied to foodservice and hospitality institutions. Prerequisites: AC 220, FN 406, FN 440, MA 134 or consent of instructor. (3)

**FN 525. Nutrition Counseling.**
Principles of nutrition counseling theories, behavior change models, approaches for nutrition counseling, skill development and application in nutrition counseling setting. (3)

**FN 530. Implications for Nutrition and Exercise Science: Pathophysiology.**
An in-depth examination of nutrition and exercise and their relationship to pathophysiology. Prerequisites: FN 502; HL 331; or consent of instructor.

**FN 540. Community Nutrition.**
Fundamentals of nutritional care and delivery in community programs. A special focus on cultural food patterns, nutrition education assessment and meeting community needs on local, state and federal levels. Prerequisites: FN 235 or FN 255; HE 520. (3)

**Foreign Languages (FL)**

**FL 205. Art of French Cinema.**
A study of artistic elements of French cinema through critical examination of directors, themes and techniques. In English; no knowledge of French required.

Prerequisite: EN 100 or equivalent (University Studies course) (3)

**FL 310. Romance Linguistics.**
Introduces major languages descended from Latin and sketches development, structure and status of French, Spanish, Italian, Portuguese, Romanian. Prerequisite: Consent of instructor. (3)

**FL 400. Practicum in Foreign Languages.**
Applied and theoretical study of foreign language teaching in which students are paired with and supervised by faculty members. Prerequisite: Consent of instructor. (3)

**FL 410. Independent Study in Foreign Languages.**
For senior French, German or Spanish majors. Prerequisite: Consent of department chairperson and college dean. (3)

**Forensic Science (FS)**

**FS 550. Crime Laboratory I: Microscopy.**
Introduction to the techniques of forensic microscopy in the analysis of physical evidence. Four lab hours. Prerequisite: CH 344 or consent of instructor. (2)

**FS 552. Crime Laboratory II: Blood and Fluids.**
Introduction to the techniques of forensic serology in the analysis of biological evidence. Four hour lab. Prerequisite: CH 344 or consent of instructor. (2)

**French (FR)**

**FR 001. French Exit Exam.**
All majors are required to enroll in this non-credit-bearing exam during their senior year. At the time of the exam, students must present their portfolio containing documents they have been accumulating in their major throughout their undergraduate career. The course number FR 001 will appear on the Degree Audit. Prerequisite: Students must have completed all coursework in French or be in their last year of completing the coursework. (0)

**FR 100. French Language and Culture I.**
Acquisition of an appreciation of the culture of French-speaking peoples and study of speaking, understanding,
reading, and writing French. (University Studies course) (3)

**FR 120. French Language and Culture II.**
Continued study of the culture of French-speaking peoples through the practice of speaking, understanding, reading, and writing French. Prerequisite: FR 100 or equivalent. (University Studies course) (3)

**FR 200. French Language and Culture III.**
Continued study of French language and culture. Cultural conversational, and structural activities leading to increased proficiency and cross-cultural awareness. Prerequisite: FR 120 or equivalent. (University Studies course) (3)

**FR 220. French Literature.**
Designed to develop ability to read French literary texts; to acquaint students with a selection of major French authors; to introduce basic concepts of literary analysis; to increase students' ability to speak and understand French through class discussions in French. Prerequisite: FR 200. (University Studies course) (3)

**FR 301. Intermediate French Composition.**
Review of the fundamentals of grammar; stylistic analysis of famous authors; free composition. Explication de textes. Prerequisite: FR 220. (3)

**FR 302. Experiencing French Language and Culture.**
Sharing a residence hall (one semester) with an international, native French-speaking student. Prerequisites: Limited to non-native, French-speaking students concurrently enrolled in a French class (200-level or above) living with native French-speaking roommate in designated residence hall; cum. GPA 2.0 or better. (1)

**FR 305. Conversational French.**
Practice in spoken language; prepared talks based on contemporary French periodicals and famous short stories; free discussion of current topics. Prerequisite: FR 220. (3)

**FR 306. Contemporary France.**
Study in recent social and cultural issues and events in France (discussion in French). Materials include current French periodicals, slides and tapes. Prerequisite: FR 220. (3)

**FR 310. Survey of French Literature I.**
From earliest writings through the eighteenth century. Prerequisite: FR 220. (3)

**FR 311. Survey of French Literature II.**
From 1800 to present. Prerequisite: FR 220. (3)

**FR 315. Commercial French.**
Review of correct written expression, letter style, preparation of business transactions, and the economic structure of France. Prerequisite: FR 220. (3)

**FR 320. French Pronunciation and Phonetics.**
Detailed study of French vowel and consonant sounds, rhythm and intonation: intensive practice in hearing and pronouncing the sounds of French. Prerequisite: FR 220. (3)

**FR 330. French Grammar.**
Review of the elements of French grammar and study of the essential structures of the language. Prerequisite: FR 220. (3)

**FR 402. Independent Study in French.**
Advanced-level study of language, culture, or literature for French majors. May be repeated once for credit. Prerequisites: FR 220; consent of department. (3)

**FR 405. French Advanced Conversation.**
Fourth year level conversation course centered on subjects of topical interests to students. Prerequisite: FR 305 or consent of instructor. (3)

**FR 410. Introduction to the French Novel.**
Prose fiction from the neo-classical period to the non-conventional trends of contemporary writers. Prerequisite: FR 220. (3)

**FR 415. Seventeenth Century French Literature.**
Study of masterpieces composed during the French Classical period. Emphasis on the dramas of Corneille, Racine and Moliere. Prerequisite: FR 220. (3)

**FR 420. Eighteenth Century French Literature.**
Presentation of major eighteenth century texts. Concentration on works of Montesquieu, Voltaire, Rousseau and Diderot. Prerequisite: FR 220. (3)

**FR 425. Nineteenth Century French Literature.**
French prose and poetry in the century of romanticism, realism, naturalism and symbolism. Prerequisite: FR 220. (3)

**FR 430. Twentieth Century French Literature.**
Study of the major trends of French literature from World War I to the present. Prerequisite: FR 220. (3)

**FR 495. Foreign Language Internship in French.**
Work experience using French in a professional setting in a business or agency. Prerequisite: French major; Jr. standing with 24 hours in French; 2.5 cumulative GPA
and 3.0 in French; approval of Department of Foreign Languages; a level of proficiency in French appropriate to the professional setting as evaluated by the departmental assessment procedures. (3)

FR 530. French Advanced Composition and Conversation.
Review of French syntax; regular essay assignments and discussions in French on given topics. Prerequisite: Undergraduate French major or minor or consent of instructor. (3)
See University Studies (UI) listings for description of:
UI 311. Masterpieces of the French Novel. (3)
UI 362. Contemporary French Culture. (3)

Geography (GG)

GG 116 (Cross-listed as HL 116 & RC 116).
Special Topics in Health and Leisure.
Special topics in health and leisure unavailable in the department curriculum. May be repeated for credit on different topics. (1-3)

GG 126. Introduction to Travel.
Introduction to the travel industry, examining the history, philosophy, terminology, demographics, behavior, structure, organization, marketing, planning, and financing of tourism. (3)

GG 140. The Physical Landscape: A Spatial Analysis.
A study, utilizing scientific processes, of the physical landscape; interrelationships among its components, and important relationships that exist with humans. Two lectures, one 2-hour lab per week. (University Studies course) (3)

Spatial treatment of ethnic diversity of the world's macro cultures (e.g. Europe) and contemporary social problems associated with economic development. (University Studies course) (3)

A study of contributions of peoples from diverse lands on the development of American civilization and its evolution from colonial origins to the present. (University Studies course) (3)

GG 170. European Peoples and Civilization.
An examination of the geographical expansion of distinctive peoples and regional cultures of Europe.
Themes include hearth areas, patterns of diffusion, areas of distribution, and conflict between cultures. (University Studies course) (3)

GG 180. Cultural Geography.
Study of the interrelationship of the components of human cultures, i.e., belief, social and material systems. Emphasis on social geographic principles and issues. (University Studies course) (3)

An overview of the concepts of cultural and heritage travel and a description of the history of the travel industry. Two Saturday field trips required. (3)

GG 201. World Landmarks and Travel Destinations.
Study of travel destinations, national and international, both physical and cultural. Examination of travel trends and, e.g., cruises. (3)

GG 303 (Cross-listed as HL/RC 303). Research Methods.
Overview of research methods in health, recreation, and tourism with emphasis on research design, instrument construction, and basic data management. Prerequisites: GG 126, HL 111, or RC 140; Health Management, Recreation, or Geography major. (3)

GG 316 (Cross-listed as HL 316 & RC 316).
Special Topics in Health and Leisure.
Special topics in health and leisure unavailable in the department curriculum. May be repeated for credit on different topics. (1-3)

GG 320. Political Geography.
Analysis of ways in which man organizes space for political purpose. Case studies of interactions of geometrical areas and political processes. (3)

GG 330. Urban Geography.
Cities of the world, their types, functions, and distribution with special emphasis on urban areas of the U.S. (3)

GG 350. Travel Planning and Development.
Integrated and sustainable development approach to travel planning explored through lectures, discussions, and case studies at the national, regional, and community levels. (3)

GG 474. Cultural Heritage Exploration and Interpretation.
Study of travel potentials of cultural museums, archaeological sites, folk crafts, ethnic groups, and historical landscapes. (3)

**GG 497. Geography Internship.**
Internship with approved professionals in selected Geotourism programs. Experience in all phases of Geotourism agency operation. Prerequisites: Senior standing; completion of all degree requirements; 2.50 GPA in major; 2.25 cumulative GPA; faculty advisor's approval. (12)

**GG 561-563. Advanced Topics in Geography.**
Lectures, discussions, laboratories, field trips and assigned readings in various fields of geography. Topics vary. May be taken more than once. (1-3)

See University Studies (UI) listings for descriptions of:
- **UI 302. Westward Movement: Development of American Regional Cultures.** (3)
- **UI 307. Economic Geography.** (3)
- **UI 308. Cultural and Physical Landscapes of the World: A Geographical Analysis.** (3)
- **UI 401. American Cultural Landscapes.** (3)
- **UI 417. Images of Britain.** (3)

**Geosciences (GO)**

**GO 110. Physical Geology.**
Comprehensive introduction to geology; earth materials, internal and external processes, time, resources and environmental hazards. Two lectures, one lab per week. (3)

**GO 150/050. Earth Science: Environmental Hazards.**
An examination of Earth's systems, how they work, and how they relate to people, with emphasis on resulting natural and man-made hazards to society. Two lectures, one lab per week. (University Studies course) (3)

**GO 220. Meteorology.**
Basic principles of atmosphere, air mass analysis, and fundamental laws governing weather forecasting. (3)

**GO 225. Rocks and Minerals.**
An introduction to rockforming minerals and common rocks with emphasis placed on hand-specimen identification and classification. One lecture, two labs per week. Prerequisites: CH 181/001/081 or CH 185/005/085; GO 110. (3)

**GO 291-293. Earth Science Field Course.**
Intensive one, two, or three week field course. On-site investigations and studies along pre-planned routes of areas classically significant to earth science. May be taken more than once as elective credit. Does not count as an elective on the major in Geoscience. Prerequisite: consent of instructor. (1-3)

**GO 305. Environmental Geoscience.**
Natural earth systems and cycles, natural hazards, mineral and energy resources, waste disposal, and environmental planning. Prerequisite: GO 110. (3)

**GO 310. Field Methods.**
The methodology and instrumentation used in basic geologic field techniques. Prerequisites: GO 225; MA 133; MA 134; UI 373. (1)

**GO 315. Paleontology.**
Morphology, systematics, and paleoecology of important invertebrate, vertebrate, and plant fossil groups. Two lectures, one lab per week. Prerequisite: BS 108 or BO 200 or ZO 200. (3)

**GO 320. Oceanography.**
Introduction to historical, physical, chemical, geological, and biological oceanography, including man's interaction with the ocean. Prerequisite: GO 220. (3)

**GO 335. Sedimentology and Stratigraphy.**
Modes of occurrence, composition, texture, origin, and natural history of sedimentary rocks; interpretation of the stratigraphic record. Two lectures, two labs per week. Prerequisites: GO 225; UI 373. (4)

**GO 340. Remote Sensing.**
An introduction to the principles/concepts of remote sensing, its applications, and its significance in today's world. Two lectures, one lab per week. Prerequisites: GO 220; GO 225; IS 175; MA 133; MA 134. (3)

**GO 345. Mineralogy and Petrology.**
Study of basic concepts of classical and x-ray crystallography, phase equilibria, and igneous/metamorphic petrology. Two lectures, two labs per week. Prerequisites: CH 186; GO 225; MA 133; MA 134. (4)

**GO 350. Geology Field Camp.**
Summer geology field camp; application of geologic skills and knowledge in the field environment. An additional course fee is charged. Four five-day weeks. Prerequisites: GO 310; GO 225. (4)

**GO 351. Six-Week Geology Field Camp.**
A comprehensive field course consisting of two weeks in southeastern Missouri, emphasizing basic field skills,
and four weeks in southwestern Utah, emphasizing more advanced field techniques and regional geology. Runs concurrently with GO 310 and GO 350. Credit cannot be received for GO 351 and either GO 310 or GO 350. Prerequisites: GO 225; MA 133; MA 134; UI 373. (6)

**GO 355. Earth Resources.**
Study of mineral, energy, and water resources of Earth. Two lectures, one lab per week. Prerequisite: GO 225. (3)

**GO 360. Structural Geology.**
Introduction to the mechanics of deformation and structures in naturally deformed rocks. Laboratory emphasizes description and problemsolving methodologies of outcrop and map-scale structures. One lecture, two labs per week. Prerequisites: MA 133; MA 134; UI 373. (3)

**GO 365. Environmental Soil Science.**
An investigation of the physical, chemical, mineralogical and microbiological features of soils and an analysis of best land use. Three lectures, one two-hour laboratory and one field trip. Prerequisites: MA 134; CH 186. (4)

**GO 400. Geomorphology.**
Systematic study of surface features of the earth, their form, nature, origin and development, and changes they are undergoing. Two lectures, one lab per week. Prerequisite: UI 373 or consent of instructor. (3)

**GO 405. Field Methods in Environmental Geoscience.**
Environmental investigations using techniques and instrumentation representative of industry practice. One lecture, two labs per week. (3)

**GO 410. Optical Mineralogy and Petrography.**
Application of the petrographic microscope to identification of non-opaque minerals. Introduction to petrographic methods and study of rocks in thin section. Two 3-hour labs per week. Prerequisite: GO 225. (3)

**GO 415. Introduction to Geophysics.**
Application of geology and physics to study the interior of the earth and development of its surface features. Prerequisites: GO 110 or consent of instructor; MA 140; PH 120/020 or PH 230/030. (3)

**GO 416. Applied Geophysics.**
Utilization of various geophysical prospecting techniques to explore the upper few kilometers of the earth for natural resources and environmental and engineering problems. Two lectures, one lab per week. Prerequisites: GO 110; MA 140; PH 121/021 or PH 231/031; or consent of instructor. (3)

**GO 420. Global Environmental Change.**
An interdisciplinary introduction to the interrelationships among geologic, biologic, and anthropologic processes and their effects on the environment throughout geologic history. Emphasizing the dimensions of climatic change and how our perceptions can affect our thinking and reactions to these issues. Prerequisite: Twenty hours total in geology, chemistry, physics, math, soils, or biology; or consent of instructor. (3)

**GO 430. Ore Deposits.**
Origin, character and distribution of metallic ore deposits. Ore mineral identification by optical and microchemical techniques. Two lectures, one lab per week. Prerequisites: GO 225; GO 360. Corequisite: GO 345. (3)

**GO 433. Advanced Igneous Petrology.**
Detailed examination of magma physics and chemistry, and the role of igneous processes in crust and mantle evolution. Prerequisite: GO 345 or consent of instructor. (3)

**GO 435. Predictive Stratigraphy.**
Application of techniques used for mapping, interpolation, and simulation of subsurface distribution of sedimentary rocks using surface and subsurface data. Two lectures, one lab per week. Prerequisites: GO 335; GO 360. (3)

**GO 440. Petroleum Geology.**
Principles of petroleum geology; origin, occurrence and exploration. Two lectures, one lab per week. Prerequisites: GO 335; GO 360. (3)

**GO 445. Geographic Information Systems (GIS).**
An introduction to the theory, methods, and applications of GIS for spatial data analysis. Two lectures; one lab per week. Prerequisites: IS 175; GO 340; MA 223 or SO 242; consent of instructor. (3)

**GO 446. Advanced Geoprocessing.**
Application of higher-order digital processing techniques for the analysis of remotely sensed imagery, and manipulation and interpretation of spatial data using more sophisticated GIS methods. Two lectures, one 2-hour lab per week. Prerequisites: GO 340; GO 445; or consent of instructor. (3)

**GO 455. Clay Mineralogy.**
Description of clay minerals common in geologic deposits and soil. Identification of clay minerals using x-
ray diffraction, differential thermal analysis, and chemical methods. Prerequisites: CH 186, GO 225; or consent of instructor. (3)

**GO 460. Environmental Hydrology.**
An introduction to the interrelationships between the environment and the occurrence, distribution, movement, and chemistry of water. Emphasizing the influence of geologic processes and materials on surface water, groundwater, and fluid and contaminant transport through the vadose zone. Two lectures; one lab per week. Prerequisites: GO 110; MA 134; or consent of instructor. (3)

**GO 465. Low Temperature Geochemistry.**
Development of selected chemical principles common to the study of sediments and their pore waters. Two lectures, one lab per week. Prerequisites: GO 345; CH 186; or consent of instructor. (3)

**GO 471-473. Special Topics.**
Lectures, laboratories, field trips, and seminars on topics in the geosciences not covered by the regular curriculum. Prerequisite: Consent of instructor. (1-3)

**GO 481-483. Independent Study.**
Supervised individual study in a selected field of the geosciences. Prerequisite: Consent of department chairperson and supervising faculty member. (1-3)

**GO 486-488. Internship.**
A supervised learning and work experience which contributes to the individual student's major program of study and career objectives. Arranged with supervising faculty member. May be taken more than once. Prerequisites: 15 hours in major; 3.0 GPA. (1-3)

**GO 491-493. Undergraduate Research.**
Supervised individual research on a problem of interest to the student. Prerequisite: Consent of department chairperson and supervising faculty member. (1-3)

**GO 495. Senior Research and Seminar.**
Research and professional presentations on an approved subject; the senior capstone course. Should be taken in the last year of study in the major. (2)

**GO 555. Soil Classification and Resource Management.**
Classification of soils in terms of their physical, chemical, and mineralogical composition. Interpretation of soils in terms of proper land use, with special attention to soil erosion. Prerequisites: AO 215 or GO 110; CH 181/001/081 or CH 185/005/085. (3)

**GO 561-563. Advanced Topics in Geology.**
Lectures, discussions, labs, field trips and assigned readings in various fields of geology. May be taken more than once. Topics vary. Prerequisite: Consent of instructor. (1-3)

See University Studies (UI) listings for descriptions of:

- **UI 318. Earth Science: A Process Approach.** (3)
- **UI 372. Earthquakes and Society.** (3)
- **UI 373. Earth and Life Through Time.** (3)
- **UI 416. Planetary Exploration: From Galileo to the Present and Beyond.** (3)

**NOTE:** Courses are offered during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi. For further information, contact the Department of Geosciences.

**German (GN)**

**GN 001. German Exit Exam.**
All majors are required to enroll in this non-credit-bearing exam during their senior year. At the time of the exam, students must present their portfolio containing documents they have been accumulating in their major throughout their undergraduate career. The course number GN 001 will appear on the Degree Audit. Prerequisite: Students must have completed all coursework in German or be in their last year of completing the coursework. (0)

**GN 100. German Language and Culture I.**
Acquisition of an appreciation of the culture of German-speaking peoples and study of speaking, understanding, reading, and writing German. (University Studies course) (3)

**GN 120. German Language and Culture II.**
Continued study of the culture of German-speaking peoples through the practice of speaking, understanding, reading, and writing German. Prerequisite: GN 100 or equivalent. (University Studies course) (3)

**GN 200. German Language and Culture III.**
Continued study of German language and culture. Cultural, conversational and structural activities leading to increased proficiency and cross-cultural awareness. Prerequisite: GN 120 or equivalent. (University Studies course) (3)

**GN 220. German Literature.**
Designed to develop the ability to read German literary texts; to acquaint students with major German authors; to introduce basic concepts of literary analysis; and to
increase the ability to speak and understand German through class discussions in German. Prerequisite: GN 200. (University Studies course) (3)

**GN 301. Intermediate German Composition.**
Designed to develop fluency in written composition. Prerequisite: GN 220. (3)

**GN 302. Experiencing German Language and Culture.**
Sharing a residence hall (one semester) with an international, native German-speaking student. Prerequisites: Limited to non-native, German-speaking students concurrently enrolled in a German class (200-level or above) living with native German-speaking roommate in designated residence hall; cum. GPA 2.0 or better. (1)

**GN 305. Conversational German.**
Designed to increase fluency and comprehension in the spoken language. Prerequisite: GN 220. (3)

**GN 310. Survey of German Literature I.**
Overview of the major periods and authors of German literature from the Middle Ages to the mid 1700’s. Prerequisite: GN 220. (3)

**GN 311. Survey of German Literature II.**
Overview of the major periods and authors of German literature from the mid 1700’s to the present. Prerequisite: GN 220. (3)

**GN 315. Commercial German.**
Review of correct written expression, letter style, preparation of business transactions, and the economic structure of Germany. Prerequisite: GN 220. (3)

**GN 320. German Culture and Civilization.**
Survey of the cultural background of German-speaking countries: Germany, Austria, and Switzerland. Prerequisite: GN 220. (3)

**GN 330. German Grammar.**
Review of the elements of German grammar and study of the essential structures of the language. Prerequisite: GN 220. (3)

**GN 340. German Phonetics and Pronunciation.**
Study of German vowel and consonant sounds, stress, rhythm, intonation; intensive practice in hearing and pronouncing the sounds of German. Prerequisite: GN 220. (3)

**GN 375. History of German Film.**
A study of the history of German film from 1919 to the present, including the Weimar Republic, the Third Reich, Post War East and West Germany, and contemporary developments. Prerequisite: GN 220; consent of department. (3)

**GN 402. Independent Study in German.**
Advanced level study of language, culture, or literature for German majors. May be repeated once for credit. Prerequisites: GN 220; consent of department. (3)

**GN 424. Twentieth-Century German Literature.**
A study of German literature during the Weimar Republic, the Third Reich, the Post War Period and the late twentieth century. Prerequisite: GN 220 or consent of instructor. (3)

**GN 440. Special Topics: German.**
A course designed to permit flexibility. Topic will vary according to a list of 18 potential topics. May be repeated for credit. Prerequisite: GN 220. (3)

**GN 495. Foreign Language Internship in German.**
Work experience using German in a professional setting in a business or agency. Prerequisite: Declared German major; Junior standing, with completion of a minimum of 24 credit hours in German; 2.5 GPA and 3.0 in German; a level of proficiency in German appropriate to the professional setting as evaluated by the departmental assessment procedures; approval of the Department of Foreign Languages. (3)

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**Health And Leisure (HL)**

**HL 111. Introduction to Health Management.**
Overview of job opportunities, professional organizations, and professional preparation in health management (athletic training, fitness/sports medicine, and health promotion). (3)

**HL 116 (Cross-listed as RC 116). Special Topics in Health and Leisure.**
Special topics in health and leisure unavailable in the department curriculum. May be repeated for credit on different topics. (1-3)

**HL 120. Health Perspectives.**
An examination of worldwide health issues with emphasis on the impact that individual health behavior decisions have on personal, society, and world well-being. (University Studies course) (3)

**HL 210. Health and Safety.**
The nine areas of health competencies with emphasis on personal health and safety. Required for K-12 certification. (2)

HL 231. Fitness Conditioning.
Application of fitness conditioning principles for individuals. Emphasis on experiencing a directed exercise program. Prerequisite: Health Management major. (3)

HL 251. Introduction to Athletic Injuries.
Current methods in prevention, recognition, and management of physical activity and sport related injuries. (3)

HL 260. Health Promotion Practicum.
Observation and limited participation as a para-professional in local health promotion programs. Six hours field work; one hour seminar per week. Prerequisites: HL 111; HL 120; sophomore standing; Health Management major or departmental minor. (3)

HL 261. Exercise Science Practicum.
Observation and limited participation as a para-professional in local exercise science programs. Six hours field work, one hour seminar per week. Prerequisites: HL 111; HL 120; sophomore standing; Health Management major or departmental minor. (3)

HL 263. Sports Injury Management.
An overview of prevention, assessment, and rehabilitation of the most common conditions found in athletic training environment. Prerequisite: HL 251; declared Health Management/Athletic Training option. (3)

HL 265. Therapeutic Modalities.
Exploration of the physical principles, physiological effects, indications, contraindications, safety precautions, operating procedures of therapeutic modalities. Three lectures and one 2-hour lab. Prerequisites: HL 321; PH 106. (4)

HL 280. Basic Skills in Athletic Training.
The study and treatment of actual athletic injuries under the guidance of physicians and National Athletic Trainers’ Association certified athletic trainers. (1)

HL 281. Practicum in Athletic Training I.
Introduction to the clinical application of the NATA Competency Checklist. Emergency medicine; basic taping/wrapping; protective/supportive padding and splinting. Must be taken concurrently with HL 263. Prerequisite: Health Management/Athletic Training Option major. (1)

HL 282. Practicum in Athletic Training II.
Second competency experience for students in the Athletic Training Option. Specialty taping/wrapping; athletic/orthopedic equipment fitting; therapeutic modality application. Must be taken concurrently with HL 321. Prerequisite: HL 281. (1)

HL 303 (Cross-listed as RC 303). Research Methods.
Overview of research methods in health and recreation with emphasis on research designs, instrument construction, and basic data management. Prerequisites: HL 111, or RC 140; Health Management or Recreation major. (3)

HL 306. Aging and Exercise.
The role of exercise in the aging process. Emphasis placed on the over 60 generation. Hands on experience provided. (3)

HL 310. Health Instruction.
Materials and procedures for teaching health in the school system. The course contains an in-the-school component. Prerequisite: HL 120 or equivalent. (3)

HL 312. Contemporary Drug Use.
Study of drug use and abuse emphasizing primary, secondary and tertiary prevention related to a physically active population. (3)

HL 316 (Cross-listed as RC 316). Special Topics in Health and Leisure.
Special topics in health and leisure unavailable in the department curriculum. May be repeated for credit on different topics. (1-3)

HL 320. Community Health.
A study of health issues and problems related to the community. Prerequisite: HL 120. (3)

HL 321. Advanced Injury Assessment I.
Study of athletic injury assessment principles and techniques at the advanced level. Specific areas include foot, ankle, lower leg, knee, hip, and shoulder. Prerequisites: HL 263; HL 281. (3)

HL 322. Advanced Injury Assessment II.
Study of athletic injury assessment principles and techniques at the advanced level. Specific areas include elbow, wrist, hand, head, face, cervical spine, thoracic/lumbar spine, abdomen, thorax, and gait/posture assessment. Prerequisites: HL 263; HL 281; HL 282; HL 321. (3)

HL 331/031. Exercise Physiology.
Physiologic control of the human body during acute exercise, and adaptations to regular exercise stress. Emphasis on relationships among health, physical fitness, and exercise. Two hours lecture (HL 331), two hours lab (HL 031) must be taken concurrently. Prerequisites: BS 113/013; BS 114/014; CH 180 or CH 181/001/081; MA 134. Prerequisite or corequisite: HL 231. (3)

HL 332. Lifestyle Disease Risk Reduction.
Overview of the principles of epidemiology and lifestyle disease pathophysiology. Examination of the use of epidemiologic research to identify risk factors for disease. Prerequisite: BS 113/013; BS 114/014; HL 260 or HL 261. (3)

The scientific principles of resistance training and strength/power with emphasis on applications for improving health and performance. (3)

The scientific principles of weight management with an emphasis on lifestyle modification for improving health. (3)

Directed individual study of special interest areas in health and leisure. (1-3)

HL 383. Practicum in Athletic Training III.
Third competency experience for students in the Athletic Training Option. Application of injury recognition/evaluation techniques; advanced taping, wrapping/padding. Must be taken concurrently with HL 322. Prerequisite: HL 282. (1)

HL 384. Practicum in Athletic Training IV.
Fourth competency experience for students in the Athletic Training option. Application of rehabilitation techniques; preparation for the NATA Certification Examination. Must be taken concurrently with HL 444. Prerequisite: HL 383. (1)

HL 431. Fitness Assessment and Exercise Programming.
Methods used in assessing fitness and in developing exercise programs to achieve optimal health. Prerequisite: HL 331/031. (4)

HL 432. Health Promotion Programs.
Exposure to the planning and implementation of health risk screenings and educational components of health promotion programs. Prerequisite: HL 332. (3)

HL 444. Rehabilitation of Sports Injury.
Study of rehabilitation principles and techniques used to safely return an athlete/patient to their sport activity, following injury. Prerequisite: HL 322; HL 331/031; HL 383. (3)

HL 460. Exercise Leadership.
Exercise training principles applied to a diversity of conditioning programs. Emphasis on exercise leadership, conditioning program development, legal liabilities, emergency procedures, and equipment. Prerequisite: HL 431. (3)

HL 471. Fitness Facility Administration.
Administrative considerations of fitness facilities. Standards and guidelines for facility planning and design, equipment, marketing, organization, and personnel considerations. Prerequisite: HL 331. (3)

HL 472. Administration of Athletic Training.
Administrative components of athletic training programs. Facility design; supply ordering, budget and inventory; insurance, personnel, educational, preseason physical examination considerations. Prerequisites: HL 251; HL 332; Athletic Training option of Health Management major. (3)

HL 480. Seminar in Athletic Training.
A capstone course addressing current prevention, assessment, and rehabilitation of the most common conditions found in an athletic training environment. (2)

HL 490. Program Planning and Evaluation.
Focus on planning, implementing and evaluating worksite health promotion programs. Prerequisite: HL 432. (3)

HL 498. Health Internship.
Internship with approved professionals in selected Health Management programs. Experience in all phases of a Health Management agency operation. Prerequisites: Senior standing; completion of all degree requirements; 2.50 GPA in the major; 2.25 cumulative GPA; faculty advisor's approval. (12)

Health issues as they relate to the aging process. (3)

HL 531. Advanced Exercise Testing.
Development of knowledge and skills necessary to conduct exercise tests in clinical settings. Two hours lecture;
Historic Preservation (HP)

HP 007. Professional Portfolio Review.
Historic Preservation majors are required to have a professional portfolio review after completion of the 30 credit hour Historic Preservation requirements. See advisor for details. (0)

HP 100. Introduction to Historic Preservation.
Survey of historic preservation in the U.S.; theory, philosophy, and methods of maintaining the culture of the past. (3)

HP 101-103. Topics in Historic Preservation.
Examination of specialized topics or issues in historic preservation. (1-3)

HP 200. Introduction to the Techniques of Local History.
Introduction to value, techniques and methods of local history for the preservationist. (3)

HP 300. Problems in Historic Preservation.
Problems in historic preservation that acquaint preservation students with a broad spectrum of academic/practical problems that complement professional training. Prerequisite: HP 100 or consent of instructor. (3)

HP 391-393. Independent Study in Historic Preservation.
Directed individual study of special topics in historic preservation. (1-3)

HP 405. Archives and Special Collections Management.
Theories, operational issues and their applications to the organization and administration of archives and special collections in public and private institutions. (3)

HP 407. Seminar in Preservation of Special Collections.
Techniques of conserving and preserving materials encountered in special collections. (3)

HP 410. Museum Studies.
History, development, theory, and role of museums. Survey of methods, practices and types of museums to acquaint students with the profession. Prerequisite: HP 100 or consent of instructor. (3)

Applied research course dealing exclusively with museum projects such as collections management, display and design, interpretation, museum management, and funding. (Two 1-hour lectures and one 2-hour lab.) (3)

HP 420. Historic Site Administration.
Study of the problems, techniques and administration of historic sites. Prerequisite: HP 100 or consent of the instructor. (3)

HP 425. Problems in Historic Site Administration.
Applied research course which deals exclusively with preservation projects such as survey, planning, historic districts, adaptive use and revolving funds. Prerequisite: HP 420. (3)

HP 450. Problems in Historic Preservation.
Projects in historic preservation that acquaint the student with a broad spectrum of academic/practical problems that complement professional training. (3)

Professional practicum requiring demonstration of Historic Preservation competency in appropriate settings under the direction of cooperating site administrators and a University coordinator. (3-9)

HP 551. Historic Architecture Field School.
Historic archeological survey and excavation; intensive instruction in recovery and documentation of cultural remains; public interpretation of an excavation; practice in archival research. (6)

HP 552. Historic Preservation Field School.
Intensive field experience in documenting and preserving the built environment and the historic landscape. (3)

Survey of architectural styles, building materials, and construction methods with a focus on the 18th and 19th centuries. Two lectures plus a three hour lab period weekly. (3)
The study of architectural history as material evidence of America's social, cultural, economic, and technological development. (3)

A study of the legal and economic aspects in the procedures for locating, recording and preserving of America's historical, architectural and cultural resources. (3)

**History, European (EH)**

From 476 to 1300. An examination of the rise and development of medieval Civilization from the late Classical Age to the time of Dante. (3)

A study of Eighteenth Century European history with a special emphasis on the impact of the French Revolution and Napoleon. (3)

Two world wars and their effects, the rise of totalitarian states, Europe's changed position in the world, and efforts at European cooperation. (3)

History of Rome: Roman Republic and Empire. (3)

EH 414. (WH 414). Tsarist Russia.
Survey of Russian history from earliest times to the end of the Nineteenth Century with special emphasis on Ivan the Terrible, Peter the Great and Catherine the Great. (3)

Survey of the development of English political, social and economic institutions to 1688. (3)

EH 418. (WH 418). Modern Britain.
Survey of British history and institutions from 1689 to the contemporary era. (3)

The political, social, and cultural development of modern France. (3)

EH 516. (WH 516). History of Modern Germany.
The rise of the Prussian state. Germany in the Nineteenth and Twentieth Centuries. (3)

The 1917 revolution and analysis of the history and policies of the U.S.S.R. (3)

Examination of intellectual and social history of Europe from the seventeenth century to the twentieth century. (3)

**History, General (GH)**

GH 007. BA Portfolio Review.
Assessment experience required of all Bachelor of Arts-History major. (0)

GH 100. African Civilization.
A study of the development of African civilizations from ancient times to the present. (University Studies course) (3)

A survey of the history of Chinese civilization from its inception in ancient times to the contemporary period. (University Studies course) (3)

A study of the development of ancient Greek and Roman Civilizations, their cultures, art, politics, and religious beliefs. (University Studies course) (3)

GH 125. Islamic Civilization.
A survey of the history of Islamic civilization from the time of Muhammad until the present. (University Studies course) (3)

GH 130. Latin American Civilization.
A survey of Latin American civilization from PreColombian times to the present with emphasis on the mixture of cultures and the struggle for modernity, including an examination of cultural, social, economic and political forces which have shaped Latin American Civilization. (University Studies course) (3)

GH 301-303. Independent Study.
Directed individual study of special topics in general history. (1-3)
GH 315. Historiography.  
Growth and development of historical writing, its methods and interpretations. (3)

GH 415. Senior Seminar in History.  
Capstone course for the Bachelor of Arts in History, focusing upon the methods and tools of the historian, culminating in a public presentation of a major paper. (3)

Study and practice in designing and carrying out oral history projects. (3)

History, United States (US)

US 105. American History I.  
A study of the history of the United States from the period of discovery to 1900. (University Studies course) (3)

US 107. American History II.  
United States history from 1900 to the present. (University Studies course) (3)

Study of selected topics in American history. (1)

US 201. History of Missouri.  
History of the state from earliest explorations to present. (3)

Study of American history from colonial times to present, from perspective of women. (3)

Study of the history, development, sources and traditions of American folklore. (3)

A study of the Vietnam War, with emphasis upon American involvement, 1945-75. (3)

Colonial period through the American Revolution. (3)

A study of American political institutions, social systems, and cultural traditions from the ratification of the Federal Constitution to the antebellum era. (3)

A study of America as influenced by the Civil War, expansion, and imperialists of the period 1840-1896. (3)

Economic, diplomatic, political, and cultural developments from 1896 to 1945. (3)

An analysis of American domestic and foreign policy, focusing on the role of the President since 1950. (3)

US 400. Topics in American History.  
Study of selected topics in American history. (1)

A study of Africans in America, both slave and free, from 1619 to 1865. (3)

US 430. American South.  
Survey of the economic, intellectual, political, and social development of the South from the colonial period to the present. (3)

Study of the social, economic, military and political aspects of the Civil War and Reconstruction periods of American history. (3)

Survey of the economics, political, cultural, social, and intellectual development of the western region of the United States from the earliest American involvement to the present. (3)

Diplomatic affairs and foreign policy from the American Revolution to date. (3)

An examination of the presidents and the Presidency in terms of personality, institutional evolution and achievements in foreign and domestic policy from 1789-present. (3)

Origins of the Constitution and a survey of its development to the present. (3)

Study of the origins, growth, and historical influence of American cities from the colonial town to the modern metropolis. (3)

Study of the economic development of the U.S. in its historical perspective. (3)

**US 529. History of American Labor.**
Evolution of the American Labor movement to present. (3)

**US 531. American Military History.**
Study of changing relationships between civil/military authority of warfare and its impact upon democratic institutions. (3)

**History, World (WH)**

**WH 101. (WH 205). Early European History.**
From prehistoric man to 1715. (Designed for History majors and minors) (3)

**WH 103. Modern European Civilization.**
A survey of the history of European civilization from its inception in the Middle Ages to the contemporary period. (University Studies course) (3)

**WH 200. Topics in World History.**
Study of selected topics in world history. (1)

**WH 400. Topics in World History.**
Study of selected topics in world history. (1)

**WH 410. Age of Greece.**
Survey of ancient Greece from the Bronze Age through the period of Alexander the Great. (3)

**WH 424. South Americas.**
National period, beginning with independence movement of the early Nineteenth Century. Post-independence problems of the new republics, emphasizing Argentina, Brazil and Chile. (3)

**WH 430. History of China and Japan.**
Study of the history and culture of China and Japan, with special emphasis on Western influence on those nations. (3)

**WH 440. Modern Middle East.**
Investigation of the political, economic, social, religious, and cultural developments of the Middle East from Napoleon's invasion of Egypt in 1798 to the present. (3)

**WH 508. Modern Britain I.**
The cultural, social, and political development of Britain and its global empire from its origins to the Victorian Age, 1660-1830. (3)

**WH 520. Latin American Colonial History.**
Survey of the Iberian and Indian background to the voyages of discovery European conquest; establishment of imperial institutions, Bourbon reforms of the eighteenth century and the origins of independence. (3)

**WH 524. History of Mexico.**
Examination of modern Mexico from the wars of independence to the present with emphasis upon Santa Anna, Juarez, Maximillian, Porfirio Diaz, and the Mexican Republic. (3)

**WH 550. The Atlantic World.**
The political, social, economic and cultural history of the Atlantic world from 1492 to 1830. (3)

See University Studies (UI) listings for descriptions of:

**UI 300. Drugs and Behavior.** (3)

**UI 304. The History and Culture of West Africa.** (3)

**UI 306. The Film as History and Literature.** (3)

**UI 312. Perspectives on the Present.** (3)

**UI 313. The African-American Experience.** (3)

**UI 320. The Modern Presidency.** (3)

**UI 414. The American Temper: Ideas in Conflict.** (3)

**UI 448. American Revolutionary Experience.** (3)

**Horticulture (HO)**

**HO 130. Ornamental Plants I.**
The identification, nomenclature, classification, cultural requirements and landscape uses of ornamental trees, shrubs, vines, and herbaceous plants. Two, two-hour laboratories. Fall semesters. (2)

**HO 230. Ornamental Plants II.**
The identification, nomenclature, classification, cultural requirements and landscape uses of ornamental trees, shrubs, vines, and herbaceous plants. An extension of HO 130. Two, two-hour laboratories. Spring semesters. Prerequisites: HO 130. (2)

**HO 231. Plant Propagation.**
Principles of controlled plant reproduction to perpetuate selected individuals or groups of plants of specific value to society. Two lectures; two-hour lab. Prerequisite: AO 120/020 or BO 200. (3)

**HO 330. Landscape Planting Design.**
Theory of landscape design. The selection and placement of plants and other structural objects in the design for human use and enjoyment. Emphasis on the home, small industry and public sites. One lecture; two 2-hour labs. Prerequisite: HO 130. (3)

HO 341 (Cross-listed as AO 341). Vegetable Production.
Fundamental principles involved in the production of vegetable crops for wholesale or retail markets. Vegetable production in home gardens is also studied. Two hours lecture; two-hour lab. Prerequisite: AO 120/020 or BO 200. (3)

HO 342. Fruit Production.
Establishment, maintenance and marketing of commercial fruit crops adapted to this area. Home-garden fruit production. Two lectures; two-hour lab. (3)

Location, types, covering, environmental controls, costs, maintenance, and cultural practices. Three lectures; two-hour lab. Prerequisite: HO 231. (4)

Propagation, cultural requirements and marketing of foliage, flower and vegetable crops produced in greenhouses or other structures. Two lectures; two-hour lab. Prerequisite: HO 231. (3)

HO 355. Interior Plantscaping.
Identification, selection, installation, maintenance and management of plants used in interior design. Two lectures; two-hour lab. (3)

HO 430 (Cross-listed as AO 430). Landscape and Turfgrass Management.
Establishing and maintaining plantings on athletic fields, golf courses, parks, residential and commercial grounds. Three lectures; two-hour lab. Prerequisite: AO 120/020 or BO 200. Spring semester only. (4)

HO 431. Nursery Production and Silviculture.
Field and container production of ornamental landscaping plants, Christmas-tree production, and small wood lot for entry. Three lectures; two-hour lab. Prerequisite: AO 120/020 or BO 200; HO 130. (4)

HO 530. Home Horticulture.
Horticulture as related to modern living. Designing and planting the home landscape including the fundamentals of establishing vegetable gardens, fruit orchards and vineyards. Plant identification, establishment and maintenance of ornamental trees, shrubs, vines, turf grasses, ground covers and flowering plants. One lecture; two-hour lab. (2)

See University Studies (UI) listings for description of: UI 344. Plants and Humanity. (3)
HI 411. Internship in Housing and Interior Design.
A career-related work experience in an area of the design industry with an opportunity to properly interface valuable professional experiences with the learning objectives in the student's major area of study. Prerequisites: 30 hours HI courses with a 3.0 GPA; 75 hours completed; 2.5 cumulative GPA. (3)

HI 420. Professional Practice in Interior Design.
The study of the techniques and processes employed by the interior designer in the establishment of professional relationships and practices. (3)

HI 430. Residential Interior Design II.
Techniques, materials, and issues involved in working with residential clients from the conceptual through the project presentation stages. Special emphasis on client and design compatibility. One 1-hour lecture and two 2-hour studios. Prerequisites: HI 370; HI 530; HI 532. (3)

HI 440. Contract Interior Design I.
Techniques/issues affecting the design of nonresidential environments. Projects emphasize barrier-free, life-safety, and building code constraints for small-scale commercial office settings. Formal presentation of concept materials/support documentation is required. One 1-hour lecture and two 2-hour studios. Prerequisites: HI 370; TG 322. (3)

HI 442. Contract Interior Design II.
Continuation of Contract Interior Design I, focusing on large-scale public spaces and specialty areas of contract design. In-depth coverage of advanced open-office design and national certification examination (NCIDQ) content. One 1-hour lecture and two 2-hour studios. Prerequisites: HI 430; HI 440; TG 322. (3)

HI 470. Interior Design Practicum.
Application of materials and methods involved in workroom and installation procedures as they relate to design installations. Field trips to workroom facilities and participation in on-site installations. One 1-hour lecture, two 2-hour studios. Prerequisites: HI 370; TG 320. (3)

HI 518. Environmental Design for Special Populations.
A study of the principles and theories relative to the design of effective environments for children, the elderly, and people with disabilities. (3)

HI 530. History of Furniture I.
A study of furniture styles from ancient Egypt through the Renaissance with emphasis on the economic, political, and social issues that affect the development of design. (3)

HI 532. History of Furniture II.
A study of furniture styles from the 17th century through the contemporary movement with emphasis on the economic, political, and social issues. Emphasis on France, England, and America. (3)

See University Studies (UI) listings for description of:
UI 340. Housing Perspectives. (3)

Human Environmental Studies (HE)

HE 310-312. Independent Study in Human Environmental Studies.
Directed individual study of problems and special topics in human environmental studies. (1-3)

HE 317-320. Field Experience in Human Environmental Studies.
An intensive investigation or study of an individual system related to an area in human environmental studies on a selective basis. Prerequisite: 12 hours home economics courses. (1-4)

HE 505-508. Problems in Family & Consumer Sciences Education.
Directed study of special problems in family and consumer sciences education through seminars, workshops, forums, etc. (1-4)

HE 520. Techniques of Teaching Nutrition and Health Education.
Utilization of educational principles and theory for instructional planning, implementation, and evaluation for nutrition and health education. Prerequisites: FN 235 and/or FN 255; SC 105. (3)

See University Studies (UI) listings for description of:
UI 343. Transcultural Experience. (3)
Industrial Education (IE)

IE 105. Problems in Vocational and Industrial Education.
Study of topics to improve classroom effectiveness of in-service vocational trade and technical teachers. Prerequisites: IE 193 or IE 593. (3)

Theory of flight, dead reckoning and radio navigation, meteorology, radio phraseology, FFA regulations, use of flight computer and plotter. (3)

IE 186. Primary Flight.
Flight instruction with local firm and/or flight simulator. Approximately 20 flight hours. (1)

IE 188. Primary Flight.
See IE 186. Approximately 40 flight hours. (2)

IE 192. Selection and Organization of Subject Matter.
Development and evaluation of courses of study, objectives, content selection and arrangement, and preparation of job and assignment sheets. (3)

Techniques of teaching vocational subjects and processes used to teach skills, including demonstrations, lectures, instruction sheets, and related audiovisual materials. (3)

IE 194. Guidance in Career & Technical Education.
Study of the purposes, assumptions and problems of vocational guidance. Investigation of individual inventories, occupational choice, job placement and evaluation. (3)

IE 195. Teaching Adults in Career & Technical Education.
Development of adult education; primarily the problems of and approaches used in interesting adults in continuing education. (3)

IE 196. Philosophy of Career & Technical Education.
Study of history, philosophy, definitions, certification, state plan, area vocational schools, state department evaluations, advisory committees, facilities, funding and administration. (3)

IE 197. Coordination of Cooperative Education.
Organization and operation of cooperative programs, including advisory committees, classroom development of training stations, methods of instruction and student organizations. (3)

IE 301-303. Independent Study in Industrial Technology Education.
Investigation of concerns and studies not covered by scheduled classes. (1-3)

IE 334. Historical Restoration Methods and Techniques.
Overview of historical restoration methods and techniques. Identification and research related to the tools, materials and methods of a particular historical period. (3)

IE 335. Techniques of Historical Reconstruction.
Combined lecture/laboratory course where students restore portions of a structure or household items as originally made. (3)

IE 401. Technology Education Management.
Study of the design, development and management of technology education facilities and related equipment. Prerequisite: Acceptance to Teacher Education. (3)

IE 592. Selection and Organization of Subject Matter.
Study of terminology and philosophy of industrial education, objectives, analysis for development and evaluation of courses of study. (3)

A technical teacher training course designed to serve Trade, Technical and Health teachers. (3)

IE 594. Guidance in Career and Technical Education.
Problems, methods, and procedure involved in assisting individuals to choose, prepare for, enter, and become adjusted in their vocations. For teachers, counselors and employment service personnel. (3)

IE 595. Teaching Adults in Career and Technical Education.
Definition, importance, concepts, interests and abilities of adults, overcoming problem areas, methods of conducting classes, and role of the school system. (3)
IE 596. Philosophy of Career and Technical Education.
Introduction to foundations of career and technical education including history, philosophy, definitions, State Plan, and funding and federal acts. (3)

IE 597. Coordination of Cooperative Education.
Organization and operation of cooperative programs, including advisory committees, classroom, development of training stations, methods of instruction and student organizations. (3)

Industrial Management (IM)

IM 102. Technical Communication.
Practical aspects of preparing technical reports with emphasis on techniques of collecting and presenting technical and scientific data. Use of the microcomputer as it relates to preparing technical documents will also be covered. (3)

IM 211. Industrial Safety Supervision.
Introduces the development and supervision of a hazard control program. Includes development of safety attitudes, detection/correction of unsafe work conditions and legislation. Prerequisite: IM 102. (3)

Data acquisition and analysis using quantitative techniques (sampling, probability, control charts, correlations, etc.) related to the management of quality assurance systems and/or quality improvement programs. Prerequisites: MA 134. (3)

IM 313. Facilities Planning.
Design and applications of physical facilities for manufacturing and productions including material flow through the facility. Prerequisites: IM 102 or consent of instructor; IM 315; TG 120. (3)

IM 315. Work Measurement.
Principles and practices of motion and time study including process charts, operation charts, motion summary, time standards, line balancing, work station redesign, and job evaluation. Prerequisite: IM 102. (3)

IM 317-319. Cooperative Industrial Internship.
Provides on-job experiences in area industries. Students register junior year for senior-year internship. For one summer or one semester. (39)

Examines the role(s) and application of quality concepts to modern industrial organizations. Topics include teamwork, continuous improvement, employee involvement, quality tools, ethics, and culture. Prerequisite: IM 102, IM 311 or consent of instructor. (3)

Prediction of costs involved in manufacturing processes and systems. Students learn how to create effective production and inventory control applications throughout all production phases. Activities will include application of Enterprise Resource Planning (ERP) software. Prerequisite: IM 311. (3)

IM 419. Industrial Supervision.
Fundamental processes and techniques needed by front-line supervisors to provide leadership in the modern industrial enterprise. Topics include leadership, motivation, communication, problem-solving, decision-making, and labor relations. Prerequisites: IM 211 or consent of instructor. (3)

Information Systems (IS)

IS 130. Visual Basic Programming I.
An introduction to the discipline of programming using the Visual Basic programming language in a Windows environment. Includes data types, control structures, arrays, functions and subroutines, properties, events, methods, menus and dialog. Other topics as time permits. This course includes a lab component. Prerequisite: Placement in MA 134 or higher. (3)

IS 175. Information Systems I.
Concepts and applications of information systems for users of IS and for prospective developers of IS. Topics include concepts of IS, concepts and applications of spreadsheets, and an introduction to the Internet and to markup language. Two hours lecture; two hours lab. Prerequisites: MA 134 with minimum grade of ‘C’. (3)

IS 235. Introduction to COBOL.
Fundamentals of structured computer programming using COBOL. Does not count towards a Computer Science or Applied Computer Science major. Prerequisites: MA 134 with ‘C’ or better; IS 130 with ‘C’ or better or equivalent prior programming experience. (3)

IS 266. Visual Basic for Programmers.
International Education (IN)

IN 510. International Education Internship.
Intensive professional internship experience requiring demonstration of culturally appropriate intercultural education competencies. Prerequisites: EL 274; UI 347; IN 510; IN 520; or graduate standing. (3)

Japanese (JN)

JN101. Japanese I.
Fundamentals of the Japanese sound system, grammar, and vocabulary. Reading and writing of the two syllabaries. Introduction to Japanese culture. (3)

JN102. Japanese II.
A continuation of Japanese I. The course expands on the grammar and vocabulary of the earlier course. Practice in reading the syllabaries and kanji. (3)

Literature (LI)

LI 205. The Art of Film.
A study of the major artistic components of film and how those components are used to convey ideas or meanings. Prerequisite: EN 100. (University Studies course) (3)

LI 220. Fiction and The Human Experience.
A study of short stories and novels by significant writers past and present. Prerequisite: EN 100. (University Studies course) (3)

LI 221. Poetry and The Human Experience.
Focus on the elements of poetry and the techniques of interpretive reading in a survey of significant world poetry. Prerequisite: EN 100. (University Studies course) (3)

LI 222. Mythic Dimensions of Literature.
A study of mythology and of literature with mythological themes. Prerequisite: EN 100. (University Studies course) (3)

LI 243. Children’s Literature.
Study of best forms of literature for children; development of criteria for judging children’s books. Does not count for major or minor in English. Prerequisites: EN 100; EL 120. (University Studies course) (3)

LI 244. Literature for Early Childhood.
Study of literature written for the preschool-primary level child; development of criteria for judging these
books. Does not count for major or minor in English. Prerequisite: EN 100. (2)

LI 250. World English Literature.
A survey of the world’s literature written in English, with emphasis on analyzing and writing about literature. Prerequisite: EN 100. (University Studies course) (3)

LI 256. The Variety of Literature.
A survey of literature in all its variety—short stories, novels, poems and drama. Emphasis on reading, analysis, and writing about literature. Prerequisite: EN 100. (University Studies course) (3)

LI 260. English Literature I.
Beginnings-1798. Major English writing from BEOWULF to the pre-Romantic period, with attention to form, historical consideration, content and literary types. Prerequisite: EN 100. Fall only. (3)

LI 261. English Literature II.
1798-present. Major English writings from the beginnings of the Romantic movement to present day, with attention to form, historical consideration, content and literary types. Prerequisite: EN 100. Spring only. (3)

LI 270. American Literature I.
Beginnings-1860. Important works of American writers. EN 100. Fall only. (3)

LI 271. American Literature II.
1860-present. Important works of American writers. Prerequisite: EN 100. Spring only. (3)

LI 301. Small Press Publishing.
Advanced study in editorial and mechanical aspects of producing a literary or general interest magazine. Prerequisite: Consent of instructor. (3)

LI 311. World Literature I.
Survey of significant literary voices from throughout the globe, including writers of fiction, poetry, and drama representing European, Asian, Middle Eastern, and African literary traditions. Begins with antiquity and ends around 1660. Fall only. (3)

LI 312. World Literature II.
Survey of significant literary voices from throughout the globe, including writers of fiction, poetry, and drama representing European, Asian, Middle Eastern, and African literary traditions. Begins around 1660 and continues to the present. Spring only. (3)

LI 320. African American Writers.
Studies fiction, poetry, drama, and nonfiction prose of major Black American writers of the past and present. For English and non-English majors. Prerequisites: EN 140; any 200-level literature course. (3)

LI 345-347. Independent Study in English.
Study of topics not included in the basic curriculum. Prerequisites: EN 140; any 200-level literature course. (13)

LI 350. Greek Drama.
Critical analysis of selected Greek plays and comparison with Roman and modern adaptations. Prerequisites: EN 140; any 200-level literature course. (3)

A survey of nature writing from the late eighteenth century to the present, with practice in writing some of the forms studied. Prerequisites: EN 140; any 200-level literature course. (3)

Studies in fiction, poetry, drama, film and nonfiction written by African American, Native American, Hispanic, Asian American, Jewish, feminist, gay, and other diverse voices. Prerequisites: EN 140; any 200-level literature course (excluding LI 243). (3)

LI 476. Early Twentieth-Century British Literature.
Representative fiction, poetry, and drama reflecting British and Irish literature. This course will focus primarily on modernist literature (1890’s through the 1940’s but will conclude with the mid-century’s critique of modernism and with an exploration of how the modern is echoed in the postmodern). Prerequisites: EN 140 and any 200 level literature course. (3)

LI 510. Literature and the Bible.
Study of literature based on Biblical parallels and archetypes. Includes novels, stories, poems, and plays. Prerequisites: EN 140; any 200-level literature course. (3)

LI 525. English Drama Before 1800.
A study of English drama from Medieval, Sixteenth-Century, Seventeenth-Century, Restoration and Eighteen-Century dramatists, excluding Shakespeare. (3)

LI 526. English Drama After 1800.
A study of English drama from the early nineteenth century to the present. (3)

LI 542. Literature for the Young Adult.
Survey of literature written for young adults (grades 7-12) with emphasis on literary analysis and evaluation of
literature and reading interests of young adults. Prerequisites: EN 140; any 200-level literature course. (3)

LI 552. Modern Drama.
Major dramatists from Ibsen to the present. Prerequisites: EN 140; any 200-level literature course. (3)

LI 560. Chaucer.
Chief works of Chaucer and his time. Prerequisites: Pre-
requisites: EN 140; any 200-level literature course. (3)

LI 565. Southern Literature.
Writers of the American South from Colonial days to
the present, with emphasis on Faulkner, O’Connor, War-
ren, Welty and Wright. Prerequisites: EN 140; any
200-level literature course. (3)

LI 567. Major British Poets.
A historical survey of the major British poets, excluding
Shakespeare. Prerequisites: EN 100; any 200-level litera-
ture course (except LI 243) or permission of instructor.
(3)

Beginnings to 1890. Includes Cooper, Hawthorne, Twain, Howells, and James. Prerequisites: EN 140; any
200-level literature course. (3)

LI 569. Classic American Novels of the 20th Cen-
tury.
1890-1945. Emphasis on the climax of naturalism and
the experimental novel of the Modern Tradition.
Includes Crane, Dreiser, Fitzgerald and Hemingway.
Prerequisites: EN 140; any 200-level literature course.
(3)

LI 570. Modern and Contemporary American
Novel.
1945-present. Includes Vonnegut, Roth, Barth, Tyler
and Didion. Emphasis on techniques in fiction. Prereq-
requisites: EN 140; any 200-level literature course. (3)

Emphasis on critical interpretation of contemporary
poetry. Prerequisites: EN 140; any 200-level literature
course. (3)

LI 572. The Modern Essay.
A study of the informal or personal essay form; intensive
reading of works by contemporary American and British
essayists, and composition of original personal essays.
Prerequisites: EN 140; any 200-level literature course.
(3)

LI 574. Australian Literature.
A historical survey of Australian literature, focusing on
major themes and important issues in its development.
Prerequisites: EN 140; any 200-level literature course.
(3)

LI 576. Cyberpunk Fiction as a Postmodern
Genre.
For students who wish to study the social and cultural
junctures created by American cyberpunk fiction.
Examines relationships between technology and power,
technology and socially-constructed identity, and tech-
nology and Enlightenment theory, while suggesting pos-
sibilities for both agency and resistance. (3)

LI 577. Studies in Early English Literature.
Focus on the study of early modern English literature
from 1450-1785. Addresses issues, periods, or genre
studies in the literature of England not addressed in the
regular course listings. (3)

LI 578. Later English Literature.
Studies in Romantic, Victorian, Modern, or Contempo-
rary literature: issue, period, or genre studies in British
literature not addressed in the regular course listings.
Topics will be announced when course is offered. (3)

LI 580. British Fiction Since the 18th Century.
Intensive reading of selected novels by writers judged to
be most significant in the history of English fiction since
the 18th century. Prerequisites: EN 140; any 200-level
literature course. (3)

LI 581. World Novelists.
Intensive reading of selected novels by writers judged to
be most significant in the history of the novel. Prerequi-
tes: EN 140; any 200-level literature course. (3)

LI 582. Topics in Literature.
Directed study of special topics in literature. Prerequi-
tes: EN 140; any 200-level literature course; or consent
of instructor. (3)

LI 587. Women and Madness.
A thematic study of the madwoman in autobiography,
literature, drama, opera, and film. Various literary/cul-
tural motifs of female madness ranging from Greek
drama to contemporary writings will be examined. (3)
See University Studies (UI) listings for description of:
UI 306. The Film as History and Literature. (3)
UI 313. African-American Literature and History. (3)
UI 326. Australian Culture. (3)
UI 341. Victorian Studies. (3)
UI 332. Images of Women in Literature. (3)
UI 431. Shakespeare’s Tragedies & the Human Condi-
tion. (3)
UI 432. Shakespeare’s History Plays & the Human Condition. (3)
UI 435. Literature of Sport. (3)

Management (MG)

MG 151. Contemporary Business.
Examines basic aspects of American business. Not open to business majors with over 45 hours. Does not count on a management minor. (3)

Strategies and skills for effective writing and speaking in business organizations. Strongly recommend completion of AD 101. Prerequisite: EN 140 with a minimum grade of ‘C’. (3)

MG 300. Introduction to Quantitative and Production Analysis.
Introduction to quantitative and production analysis in hospitality and consumer sciences. Emphasis placed on decision-making processes and productivity analysis. Prerequisite: MA 134. (3)

MG 301. Management and Organizational Behavior.
The study of individuals and groups in organizations. Topics include motivation, leadership, communication, strategy, and structure in a global environment. Prerequisite: Junior standing. (3)

MG 354 (AD 354). Topics in Management Communication.
Readings/skill development course designed to develop interpersonal communication skills required in leadership positions. Prerequisites: MG 301; SC 105. (3)

MG 355. Supervisory Management.
Techniques of supervision for first level management, emphasizing skills necessary for effective superior-subordinate relationships. Does not count toward management major. Prerequisite: MG 301. (3)

Principles and problems of personnel administration, including recruitment, selection, training, performance appraisal, legislation, safety and health, and compensation management. Prerequisite: MG 301 with a minimum grade of ‘C’. (3)

MG 358. Production/Operations Management.
Study of operational areas such as facilities, transformation processes and performance measures. Emphasis on application of management science concepts/techniques. Prerequisite: MG 352 with a minimum grade of ‘C’. (3)

MG 362. Management Systems I.
Effective leadership and team performance in organizations. Attention given to personal, interpersonal, and team skills in current management practices. Prerequisite: MG 301 with a minimum grade of ‘C’. (3)

MG 421. Total Quality Management.
Integrates into a complete system the management of the human, the structural, and the technological aspects of quality. Prerequisite: MG 301 with a minimum grade of ‘C’. (3)

MG 446. Human Resource Management II.
Covers principles of human resource management in organizations. Emphasis is placed on practice, applications, and exercises. Prerequisites: MG 356 with a minimum grade of ‘C’. (3)

Integration of activities to plan, implement and control efficient flow of raw materials, in-process inventory and finished goods. Pre or corequisite: MG 358 with a minimum grade of ‘C’. (3)

Basics of production planning and control in manufacturing, including forecasting, aggregate planning, master scheduling, resource and activity control, efficiency measurements. Pre or corequisite: MG 358 with a minimum grade of ‘C’. (3)

Seminar in contemporary personnel problems and issues, stressing the technical, analytical, legal and pragmatic approaches to personnel administration. Prerequisite: MG 356 with a minimum grade of ‘C’. (3)

MG 457. Issues in Organizational Behavior.
Readings/case analyses course designed to provide in depth study of issues in organizational behavior and implications for managerial action. Prerequisite: MG 301 with a minimum grade of ‘C’. (3)

MG 462. Management Systems II.
Utilizing applied projects, four organizational components - customer focus, information, human resources,
Management Information Systems (MI) (3)

Management Information Systems (MI)

MI 375 (MG 375). Management Information Systems.
Introduction to management information systems. Topics include executive information systems, management information systems, decision support systems, expert systems, teleprocessing systems. Pre or corequisite: MG 301. Prerequisites: Junior standing; AD 101. (3)

Development of database applications for business. Topics include concepts, query languages, database administration, relational and non-relational modes, distributed architectures. Prerequisite: MI 375 with a minimum grade of ‘C’. (3)

MI 420 (MG 420). Telecommunications Management.
This is an introductory course on the topic of data communications and networking concepts, components, architectures, protocols, and standards used for transmitting information within a network. Prerequisite: IS 130 and MI 375 with a minimum grade of ‘C’. (3)

Use of information systems technologies to support decision making. Topics include decision support systems, expert systems, and executive support systems. Prerequisite: MI 410 with a minimum grade of ‘C’. (3)

MI 439 (MG 439). Electronic Commerce.
Use of computer networks to conduct commercial activities of buying, selling, and/or exchanging of products, services, and information. Topics include electronic commerce (EC) tools, strategy and implementation. Prerequisite: IS 130, MI 375 and MK 301 with a minimum grade of ‘C’. (3)

This course will focus on developing a World Wide Web presence using Web-centered technologies. Topics include HTML, security, scripting languages, database
connectivity. Prerequisite: IS 130 and MI 375 with a minimum grade of 'C'. (3)

MI 445 (MG 445). (Cross-listed as IS 445) System Analysis & Design.
Study of a systematic on-going process of systems analysis, systems design, system implementation, systems maintenance and systems security management. Prerequisite: IS 130 and MI 410 with a minimum grade of 'C'. (3)

A capstone field-experience course that builds on systems analysis and design methodologies for the design and implementation of computer-based information systems. Special emphasis is placed on modern tools and techniques for rapid systems development. Prerequisite: MI 445 with a minimum grade of 'C'. (3)

MI 575 (MG 575). Information Technology Management.
Topics considered include business alignment with technology as pertaining to strategic frameworks for IT deployment in an organization. The course is of applied nature, with discussions on industry practices. Prerequisite: MI 375 or IS 275. (3)

Manufacturing Engineering Technology (MN)

This course provides a comprehensive introduction to the basic science of materials engineering. Course topics include: alloying of metals; plain carbon steels and cast irons, and heat treatment; polymeric materials; and both destructive and non-destructive testing. Prerequisites: CH 181; MA 134. (3)

MN 203. Industrial Materials & Processes I.
The study of modern manufacturing processes used to convert metallic materials into products. Topics include heat related processes, metal removal, tooling, forming, and surface quality. Prerequisite: MN 170. (3)

MN 204. Industrial Materials & Processes II.
Continuing study of modern manufacturing processes used to convert metallic materials into products. Topics cover fundamentals of conventional machine tools, computer numerical (CNC) machines, electrical-discharge machine (EDM), and coordinate measuring machine (CMM). Prerequisite: MN 203; TG 120. (3)

MN 220. Engineering Economic Analysis.
Engineering economy topics include the effects of the time-value of money, concepts of equivalence, replacement analysis, cost/benefit analysis, tax consequences and cost of capital depreciation related to a manufacturing or engineering environment. Prerequisite: MA 134. (3)

This course will focus on high level programming languages and their applications in industrial technology. Prerequisite: MA 134. (3)

Investigates principles of forces, moments, resultants and static equilibrium of force systems, center of gravity, friction, and free body diagram analysis with practical laboratories. Prerequisite: MA 134; MN 170; PH 120. (3)

Lectures and laboratory experiences in CNC machine tool fundamentals and metrology. Prerequisite: MN 204; MA 134; or consent of instructor. (3)

The study of computer numerical control (CNC) and laboratory projects utilizing mill, lathe, electrical-discharge machine (EDM), and coordinate measuring machine (CMM) for fine measurement. Prerequisites: MN 204; TG 220. (3)

An introduction to robotic fundamentals with emphasis on terminology, classification, sensors, socio-economic implications, safety, applications and programming methods. Prerequisites: MN 260; MN 383. (3)

MN 381. Power Transmission.
Theory of energy sources, power-producing machines, and power transmission methods. Applications of power systems. Prerequisite: MN 204. (3)

MN 383. Fluid Power.
Investigates hydraulic and pneumatic systems as a means of transmitting and controlling power; includes identification of components and symbols, hydraulic
system analysis and laboratory applications for fluids and gases. Prerequisite: MA 134; PH 120. (3)

**MN 402. Plastics and Processes.**
This course encompasses the study of chemical/physical properties of plastic materials, manufacturing processes, and mold design. Prerequisite: MN 354. (3)

**MN 412. Advanced Manufacturing Systems.**
Provides students an opportunity to study the integration of robots, CNC, CAD/CAM, databases and automated systems into the manufacturing environment. Prerequisites: MN 354; MN 356; or consent of instructor. (3)

**MN 416. Manufacturing Seminar.**
An advanced level course involving all of the students’ previous courses in an interdisciplinary format to solve common problems. Prerequisite: senior status. (3)

See University Studies (UI) listings for description of:
- **UI 319. Technology & Society.** (3)
- **UI 410. Manufacturing Research in a Global Society.** (3)

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**Marketing (MK)**

**MK 201. Values and Social Issues in Business.**
Business as a social system and its conceptual foundation will be examined, along with business values and social issues. Does not count on marketing major, marketing minor, or as a core requirement on the BS in BA degree. (University Studies course) (3)

**MK 301. Principles of Marketing.**
A managerial approach to marketing focusing on matching organizational goals with customers needs in an ethical and socially responsible manner. Prerequisite: Junior standing. (3)

**MK 341. Public Relations.**
Basic principles of and the role of public relations in the strategy and marketing mix of profit and nonprofit organizations. Prerequisite: MK 301 with minimum grade of ‘C.’ (3)

**MK 342. Professional Selling.**
Philosophies and techniques of relating products and services to the customers’ wants and needs in a mutually satisfactory manner. Prerequisite: MK 301 with minimum grade of ‘C.’ (3)

**MK 343. Advertising and Promotion.**
The role of advertising and promotion in the marketing process, from the business manager’s point of view. Prerequisite: MK 301 with minimum grade of ‘C.’ (3)

**MK 344. Consumer Behavior.**
Development of a framework within which to review the psychological, social, economic, demographic, environmental and marketing influences on consumer behavior. Prerequisite: MK 301 with minimum grade of ‘C.’ (3)

**MK 345. Introduction to Business Research.**
This course deals with theories, concepts and methodology applicable in analyzing marketing and other business problems. Prerequisites: MK 301 with minimum grade of ‘C’; QM 257. (3)

**MK 346. Distribution Management.**
A study of the institutions and functions of channels of distribution and the physical movement of products to the consumer. Prerequisite: MK 301 with minimum grade of ‘C.’ (3)

**MK 347 Transportation.**
Examines the various models of transportation available to distribute goods. Prerequisite: MK 301 with minimum grade of ‘C.’ (3)

**MK 348. Product and Pricing Strategy.**
An examination of the new product development process and product management including an analysis of pricing practices and strategies. Prerequisite: MK 301 with minimum grade of ‘C.’ (3)

**MK 349. Retail Management.**
Organization, management and operation of and strategy development for retail institutions. Prerequisite: MK 301 with minimum grade of ‘C.’ (3)

**MK 355. Internet Marketing.**
An introduction to the Internet as a part of a company’s marketing strategy. Students will explore Internet consumer characteristics and behavior and their effect on web content. Prerequisites: AD 101; MK 301. (3)

**MK 443. Integrated Marketing Communications Practicum.**
The development of integrated marketing communication strategies with major emphasis being placed on advertising; primarily an application course where students develop a promotion campaign for an existing business/organization. Prerequisite: MK 343 or MC 310. (3)

**MK 447. Sales Management.**
Human relations aspect of organizing and managing an outside sales force, sales analysis, planning and control. Prerequisite: MK 342. (3)

**MK 449. Marketing Management.**
An advanced review of the overall marketing process with emphasis on decisionmaking and strategy development. Prerequisite: 15 hours in marketing (MK) courses. Open only for marketing majors. (3)

**MK 471-473. Marketing Internship.**
Training and work experience in some area of marketing under an approved field supervisor and an approved work/study plan. The student's grade will be on a credit/no credit basis. Prerequisite: Consent of the department. (1-3)

**MK 478. (BA 478) (Cross-listed as MG 478)**
Global Logistics.
Study of logistics functions that involve sourcing, production, distribution, and marketing of products and services in the global marketplace. Cannot receive credit for both MG 478 and MK 478. Prerequisite: MG 301; MK 301. (3)

**MK 483. Practicum in Strategic Marketing.**
A supervised field experience in an area of marketing, such as advertising, product development, retailing, personal selling, or marketing research. Prerequisites: Nine hours MK courses; Marketing major; consent of instructor. (3)

**MK 491-493. Independent Study in Marketing.**
Intensive study of special problems related to marketing practice. Prerequisite: Consent of the department (1-3)

**MK 560. International Marketing.**
The marketing environments throughout the world and the management of the marketing function on a global scale. Prerequisite: MK 301 with minimum grade of ‘C.’ (3)

See University Studies (UI) listings for description of:
- UI 351. Public Opinion Management. (3)
- UI 359. Consumers: Buying/Having/Being. (3)
- UI 400. Business and Ethics. (3)

**Mass Communication (MC)**

**MC 101. Mass Communication and Society.**
An examination of the diversity of the American mass media and its use by the audience. (University Studies course) (3)

**MC 201. Writing for the Mass Media.**
An introduction to the process of making news judgment and the practical application of news writing techniques used in the mass media. Prerequisite: EN 100 with a grade of ‘C’ or better. (3)

**MC 301. Mass Communication Theory and Research.**
A study of research techniques commonly utilized in the mass media with a broad overview of mass communication theory. Note: Students may not receive credit for MC 301 and SC 305. Prerequisites: MA 155 and MC 101 with a grade of ‘C’ or better; Junior standing. (3)

**MC 310. Advertising Principles.**
A survey of advertising principles and practices, stressing creative, communicative and managerial aspects. Prerequisites: MC 101 with a grade of ‘C’ or better; Junior standing. (3)

**MC 312. Advertising Techniques I.**
Principles and techniques of producing advertising for print and electronic media. Prerequisites: MC 201 & MC 310 with a grade of ‘C’ or better; Junior standing. (3)

**MC 314. Advertising Techniques: Copy Writing.**
Principles of advertising copy writing and design applied to specific types of print and electronic media. Prerequisites: MC 201 and MC 312 with a grade of ‘C’ or better; Junior standing. (3)

**MC 320. Reporting.**
A continued study of daily and weekly newspaper reporting and news room operating methods. Prerequisites: MC 201 with a grade of ‘C’ or better; Junior standing. (3)

**MC 322. Publication Editing and Production.**
Principles and practices in the editing of copy and photographs, writing headlines, and designing newspaper and magazine pages. Prerequisites: MC 201 with a grade of ‘C’ or better; Junior standing. (3)

**MC 324. Feature Writing.**
A study of newspaper and magazine features together with practice in writing nonfiction articles for publications of general, professional or trade interest. Prerequisites: MC 201 and MC 320 with a grade of ‘C’ or better; Junior standing. (3)
MC 325. Writing Magazine Articles.
Analysis of the journalistic context within which magazine articles are produced. Includes general, professional, and trade interests. Prerequisites: MC 324 with a grade of ‘C’ or better; Junior standing. (3)

MC 326. Magazine Editing and Production.
Advanced study in editorial and mechanical aspects of producing a magazine. Prerequisites: MC 320 and MC 322 with a grade of ‘C’ or better; consent of instructor; Junior standing. (3)

MC 328. Photojournalism.
Introduction to the theory and practice of photojournalism. Students must have access to a 35mm camera. Prerequisites: MC 320 and MC 322 with a grade of ‘C’ or better; TG 274; consent of instructor; Junior standing. (3)

An introduction to the modern public relations function emphasizing its tools, processes, publics, communication methods and professional ethics. Prerequisites: MC 101 with a grade of ‘C’ or better; Junior standing. (3)

MC 332. Publicity Techniques.
The theoretical and practical study of effective preparation and dissemination of publicity. Prerequisites: MC 201, MC 322, and MC 330 with a grade of ‘C’ or better; Junior standing. (3)

Historical and contemporary radio broadcasting as technology and business, including its relationship to government and society. Prerequisites: MC 201 with a grade of ‘C’ or better; Junior standing. (3)

A study of the responsibilities of the persons involved in radio programming with emphasis on formats and delivery. Prerequisites: MC 340 with a grade of ‘C’ or better; Junior standing. (3)

Experience oriented course integrating vocal delivery techniques with concepts of program preparation and presentation. Prerequisites: MC 342 with a grade of ‘C’ or better; Junior standing. (3)

A study of the techniques of gathering, writing, and producing news stories for radio and television broadcast. Prerequisites: MC 342 with a grade of ‘C’ or better; admission to the Mass Communication degree program; Junior standing. (3)

MC 351. Basic Video Production.
An introduction to (1) the general history of video, (2) the scientific and technological principles involved, and (3) future technologies and the resulting possible impact on the human condition. Prerequisites: MC 201 with a grade of ‘C’ or better; Junior standing. (3)

MC 352. Video Post Production.
This course acquaints students with the electronic field production (EFP) and the complexity and continuity of post production editing. The student will also become familiar with the principles and demonstrations of the technical director. Prerequisites: MC 351 with a grade of ‘C’ or better; Junior standing. (3)

MC 354. Writing for Video.
A study of contemporary formats commonly utilized in the fields of video production, including practice in the application of those formats through the writing of production scripts for video and film. Prerequisites: MC 351 with a grade of ‘C’ or better; Junior standing. (3)

MC 365. Dramatic Production for Television.
Combines performance aspects of acting and directing for television. Prerequisites: MC 352 with a grade of ‘C’ or better; Junior standing. (3)

MC 401. Communication Law.
Introduction to law as it pertains to the mass media. Prerequisites: MC 301 with a grade of ‘C’ or better; senior standing. (3)

A capstone study of the relationship between the media and other facets of society brought on by technology, ownership, and personal privacy. Prerequisites: MC 301 with a grade of ‘C’ or better; senior standing. (1)

Study of advertising placement in media with emphasis on comparison, rating, target audiences, cost efficiency, and effectiveness. Prerequisites: MC 312 with a grade of ‘C’ or better; admission to the Mass Communication degree program; Junior standing. (3)

MC 418. Advertising Campaigns.
Application of advertising principles and techniques in working with a professional client to prepare and execute an advertising campaign. Prerequisites: MC 314 and MC 416 with a grade of ‘C’ or better; Senior standing. (3)

MC 420. High School Journalism.
Techniques of teaching high school journalism, including both newspaper and yearbook. Prerequisites: MC 322 with a grade of ‘C’ or better; Senior standing. (3)

MC 422. News Interpretation.
Analysis of news, editorials, columns, and reviews in both electronic and print media. Prerequisites: MC 320 with a grade of ‘C’ or better; admission to the Mass Communication degree program; Senior standing. (3)

Study of the reporting techniques used in covering courts, government agencies, public interest organizations, and economics. Prerequisites: MC 320 with a grade of ‘C’ or better; admission to the Mass Communication degree program; Senior standing. (3)

MC 426. Sportswriting.
Theory and practice in the techniques of sportswriting for print and broadcast media. Prerequisites: MC 322 or MC 342 with a grade of ‘C’ or better; admission to the Mass Communication degree program; Senior standing. (3)

MC 428. Editorial Page.
An examination of problems, content, selection and writing of opinion for newspaper and an introduction to editorial page design. Prerequisites: MC 320 with a grade of ‘C’ or better; admission to the Mass Communication degree program; Senior standing. (3)

Analysis of solutions to authentic corporate and not-for-profit communication problems. Prerequisites: MC 322 and MC 332 with a grade of ‘C’ or better; admission to the Mass Communication degree program; Senior standing. (3)

MC 448. Radio Station Administration.
Administering contemporary commercial and non-commercial radio. Prerequisites: MC 344 & MC 346 with a grade of ‘C’ or better; Senior standing. (3)

MC 456. Interactive Video.
A study of the process of developing, using, and evaluating the interactive video process with particular interest in its utilization in the corporate and informational setting. Prerequisites: MC 352 with a grade of ‘C’ or better; Senior standing. (3)

MC 457. Video Production Management.
Prepares students for the responsibilities of the producer in a corporate application, including preproduction and planning, budget, and management. Prerequisites: MC 466 with a grade of ‘C’ or better; Senior standing. (3)

MC 458. Advanced Video Production.
Application of video techniques while working with a professional client to prepare and execute all pre-production phases of a video project. Prerequisites: MC 456 with a grade of ‘C’ or better; Senior standing. (3)

MC 466. TV Directing.
Theory and practice of directing for television. Prerequisites: MC 352 with a grade of ‘C’ or better; admission to the Mass Communication degree program; Senior standing. (3)

MC 467. Television Systems.
Study of broadcast and nonbroadcast delivery systems. Prerequisites: MC 352 with a grade of ‘C’ or better; Senior standing. (3)

MC 482. Special Problems.
Seminar designed for in-depth study and research of a specific aspect of mass communication. Content varies. Prerequisites: Consent of department chairperson; Senior standing. (3)

Topical study beyond content of course offerings. For majors only. Prerequisites: Grade of ‘C’ or better in all major courses completed; consent of department chairperson; Senior standing. (1-3)

MC 486. Internship in Mass Communication.
Practical involvement in an appropriate professional organization. Prerequisites: 75 hours; 12 hours in MC option beyond core; grade of ‘C’ or better in all major courses completed; 2.5 GPA; consent of department chairperson; admission to the Mass Communication degree program; Senior standing. (3)

MC 491. Newspaper Practicum.
A course devoted to practical application of newspaper writing, editing, and layout skills. Prerequisites: MC 320 and MC 322 with a grade of ‘C’ or better; consent of instructor; Senior standing. (3)

MC 492. Magazine Practicum.
A course devoted to practical application of magazine writing, editing, and layout skills. Prerequisites: MC 326 with a grade of ‘C’ or better; consent of instructor; Senior standing. (3)

MC 493. Yearbook Practicum.
A course devoted to practical application of yearbook writing, editing, and layout skills. Prerequisites: MC
Mathematics (MA)

MA 090. Developmental Algebra.
Operations and variables, linear equations and inequalities, exponents, polynomials, factoring, rational expressions, linear equations and their graphs. For students who score 17 or below on enhanced ACT mathematics subtest. See graduation requirements (p. 23). (3)

Polynomials, factoring, equations and inequalities in one and two variables, rational expressions, rational exponents, quadratic equations, and systems of linear equations. Prerequisite: MA 090 with a minimum grade of 'C', or score of 18-20 on enhanced ACT mathematics subtest. See graduation requirements (p. 23). (3)

Integrated course of MA 090 and MA 095. For students who score 17 or below on enhanced ACT solving strategies, sets, whole numbers and their operations and properties, number theory, numeration mathematics subtest. See graduation requirements (p. 23). (5)

MA 118. Mathematics I.
Introduction to problem systems, computer usage, informal geometry, and the historical significance and applications of these topics in the K-9 mathematics curriculum. Prerequisites: MA 095 or MA 096 with a minimum grade of ‘C’, or 2 units of high school algebra; 1 unit high school geometry. Declared education major in elementary, early childhood, exceptional child, middle school, or secondary mathematics. Any required developmental mathematics courses must be completed before enrolling in this course. (University Studies course) (3)

MA 123. Survey of Mathematics.
A sampling of topics which mixes mathematics history, its mathematicians, and its problems with a variety of real-life applications. Prerequisites: MA 095 or MA 096 with a minimum grade of ‘C’, or 2 units of high school algebra; 1 unit high school geometry. Any required developmental mathematics courses must be completed before enrolling in this course. (University Studies course) (3)

MA 133. Plane Trigonometry.
Circular functions, right and oblique triangles, identities and equations, complex numbers. Prerequisites: MA 095 or MA 096 with a minimum grade of ‘C’, or 2 units high school algebra; 1 unit high school geometry. Any required developmental mathematics courses must be completed before enrolling in this course. (2)

MA 134. College Algebra.
Functions and graphs, polynomial and rational functions, exponential and logarithmic functions, systems of equations and inequalities, binomial theorem. Prerequisites: MA 095 or MA 096 with a minimum grade of ‘C’, or 2 units high school algebra. Any required developmental mathematics courses must be completed before enrolling in this course. (University Studies course) (3)

MA 135. Algebra and Trigonometry.
Integrated course of College Algebra and Plane Trigonometry. Credit may not be received for MA 133 or MA 134 and MA 135. Prerequisites: MA 095 or MA 096 with a minimum grade of ‘C’, or 2 units high school algebra; 1 unit high school geometry. Any required developmental mathematics courses must be completed before enrolling in this course. (5)

MA 138. Discrete Mathematics I.
Applied mathematics course emphasizing fundamental principles of discrete mathematics and application to computer science. Topics include logic, mathematical induction, sets, relations, functions, algorithms, permutations and combinations, and graph theory. Prerequisites: MA 134 with a minimum grade of ‘C’, or 2 units algebra and 1 unit precalculus mathematics in high school. Any required developmental mathematics courses must be completed before enrolling in this course. (3)

MA 139. Applied Calculus.
For students in business, social or life sciences. Functions, limits, differentiation and integration of elementary functions. Emphasizes applications. Credit may not
be received for both MA 139 and MA 140. Prerequisites: MA 134 with a minimum grade of ‘C’, or 2 units high school algebra and 1 unit precalculus mathematics. Any required developmental mathematics courses must be completed before enrolling in this course. (3)

**MA 140. Analytic Geometry and Calculus I.**

Analytic geometry, functions, limits, derivatives and integrals of algebraic, trigonometric, and exponential functions with applications. Credit may not be received for both MA 140 and MA 139. Prerequisites: MA 133 and MA 134 with a minimum grade of ‘C’, or 2 units high school algebra, 1 unit geometry, and 1 unit precalculus mathematics. Any required developmental mathematics courses must be completed before enrolling in this course. (3)

**MA 145. Analytic Geometry and Calculus II.**

Differentiation and integration of transcendental functions, series, conic sections, polar coordinates. Prerequisite: MA 140 with a minimum grade of ‘C.’ (4)

**MA 155. Statistical Reasoning.**

Course will introduce statistical ideas to students. The student will reach an understanding of these statistical ideas, be able to deal critically with statistical arguments, and gain an understanding of the impact of statistical ideas on public policy and in other areas of academic study. Prerequisite: MA 095 or MA 096 with a minimum grade of ‘C’, or 2 units high school algebra. Any required developmental mathematics courses must be completed before enrolling in this course. (University Studies Course) (3)

**MA 218. Middle School Math.**

Selected mathematics topics for teacher of middle school mathematics. Required of secondary mathematics education majors seeking to satisfy middle school certification requirements, otherwise, a general elective. Prerequisite: MA 145. (3)

**MA 222. Mathematics of Finance.**

A study of simple interest, bank discount, compound interest, and annuities; with applications to amortization, sinking funds, and bonds. Prerequisite: MA 134; or 2 units high school algebra and 1 unit precalculus mathematics. (3)

**MA 223. Elementary Probability and Statistics.**

Introduction to the basic ideas of statistics: descriptive measures, elementary probability, distributions, estimation, hypothesis testing, correlation, and linear regression. Prerequisite: MA 134 with a minimum grade of ‘C’, or 2 units high school algebra and 1 unit precalculus mathematics. (3)

**MA 230. Mathematics for the Early Childhood Teacher.**

Topics taught in mathematics classes K-3. Emphasizes the logic and development of number concepts, classifications, numeration, attributes and patterns, measurement and geometry of shapes. May be counted only as elective credit except for a degree program on which this course is expressly required. Prerequisite: MA 118 with a minimum grade of ‘C.’ (2)

**MA 240. Analytic Geometry and Calculus III.**

Vectors and solid analytic geometry, partial differentiation, multiple integrals, topics in vector calculus. Prerequisite: MA 145 with a minimum grade of ‘C.’ (3)

**MA 245. Vector Calculus.**

Vectors, vector functions, vector geometry, vector analysis. Prerequisite: MA 240 with a minimum grade of ‘C.’ (2)

**MA 250. Foundations of Mathematics.**

An introduction to understanding and writing proofs using fundamental concepts such as relations, equivalence, partitions, mathematical induction, functions, development of number systems and infinite sets. Prerequisite: MA 138 or MA 139 or MA 140 with minimum grade of ‘C.’ (3)

**MA 318. Mathematics II.**

A development of the real number system, its properties and applications, including algebraic logic, graphing, statistics, probability, and measurement. May be counted only as elective credit except for a degree program in which this course is expressly required. Prerequisite: MA 118 with a minimum grade of ‘C.’ (3)

**MA 334. Computer Programming.**

Principles of programming digital computers in FORTRAN and/or BASIC applied to some important computer algorithms in mathematics. Prerequisite: MA 139 or MA 140 with a minimum grade of ‘C.’ (3)

**MA 338. Discrete Mathematics II.**

An applied mathematics course that emphasizes fundamental principles of discrete mathematics and their applications to computer science. Topics include the principle of inclusion and exclusion, generating functions, recurrence relations, graph theory, Boolean algebra, coding theory and combinatorial designs. Prerequisite: MA 138 with a minimum grade of ‘C.’ (3)

**MA 340. Concepts of Geometry.**
Axiomatic geometry, Menelaus’ and Ceva’s theorems, harmonic elements and cross ratio, Desarques’ theorem, inversion. Prerequisite: MA 139 or MA 140 with a minimum grade of ‘C.’ (3)

MA 345. Linear Algebra.
Systems of linear equations, matrices and Gaussian elimination, vector spaces, eigenvalues and eigenvectors, inner products and orthogonal sets. Prerequisite: MA 139 or MA 140 with a minimum grade of ‘C.’ (3)

MA 350. Differential Equations I.
Theory and techniques of solving ordinary differential equations, applications, numerical methods, series solutions, Laplace transforms. Prerequisite: MA 240 with a minimum grade of ‘C.’ (3)

MA 418. Geometry For Teachers.
Euclidean geometry (demonstrative, coordinate, transformational), intuitive relations, constructions, properties of lines, polygons, circles, and 3-dimensional figures. Prerequisite: MA 118 with a minimum grade of ‘C.’ (3)

Introduction to the statistical analysis of genetic data used in forensic science. Basic probability distributions used in analyzing genetic data will be discussed. Emphasis will be placed on estimation and statistical inferential procedures in forensic science. Prerequisite: MA 140 or consent of instructor. (3)

MA 440-441. Independent Study.
Study topics in mathematics not covered in other courses. Prerequisite: MA 240. (1-2)

MA 443. Elementary Number Theory.
Topics of number theory, including fundamental laws, Diophantine equations, the integers, and the properties of linear and quadratic congruences. Prerequisite: MA 139 or MA 140 with a minimum grade of ‘C.’ (3)

Introduction to the study of sets, rings, fields, groups, and vector spaces. Prerequisite: MA 250 with a minimum grade of ‘C.’ (3)

MA 448. Mathematics Seminar.
Prerequisite: MA 240. (1)

MA 461-463. Special Topics in Mathematics.
Lectures, discussions, and/or assigned readings on various topics in mathematics. The topic will vary with each offering. (1-3)

Course will cover basic concepts of secure communication. Classical cryptography and cryptoanalysis, monoalphabetic and polyalphabetic ciphers. Shannon’s theory of secrecy. Modern private-key cryptosystems such as DES, and public-key cryptosystems such as RSA. Prerequisites: MA 223 or MA 250 or MA 338 or MA 345 or MA 443 with a minimum grade of ‘C.’ (3)

MA 486-488. Internship in Mathematics.
A supervised learning and work experience in mathematics which enhances the student's understanding of, appreciation for, and the application of mathematics. Prerequisites: 45 hours completed; GPA above 3.0; 16 hours above MA 134; consent of instructor. (1-3)

MA 523. Probability and Statistics I.
Introduction to probability and statistics using the tools of calculus. Algebra of probability, random variables, discrete and continuous distributions. Prerequisite: MA 240. (3)

MA 524. Probability and Statistics II.
Continuation of MA 523 with emphasis on applications sampling, estimation, hypothesis testing, regression, experimental design, nonparametric methods. Prerequisite: MA 523. (3)

Noneuclidean geometry, study of projective geometry and its relation to other geometries. Prerequisite: MA 340 or 10 hours of mathematics courses numbered above MA 140. (3)

Approximation procedures, numerical differentiation and integration, numerical solution of equations, systems of equations, and differential equations, with reference to computers. Prerequisites: MA 240; MA 334. (3)

MA 545. Linear Algebra and Matrices.
Introduction to vector spaces, linear transformations, matrices, eigenvalues, eigenvectors, and numerical methods in linear algebra. Prerequisite: MA 445. (3)

MA 546. Advanced Calculus I.
Elementary set theory and topology, sequence and series, continuity and differentiability of functions on Euclidean space. Prerequisites: MA 240; MA 250. (3)

MA 547. Advanced Calculus II.
Convergence of series of functions, Implicit Function Theorem, integration. Prerequisite: MA 546. (3)

MA 550. Differential Equations II.

An overview of research methods. Practice in the methods for the formulation and solution of problems. Prerequisite: MA 240 or MA 445. (3)

MA 580. Experimental Design and Analysis of Variance.
Completely randomized design and analysis, randomized block design and analysis, factorial experiments, split-plot design and analysis, repeated measurement experiments and analysis, analysis of covariance. Prerequisites: MA 223 (Elementary Probability and Statistics) or consent of instructor. (3)

See University Studies (UI) listings for description of:
UI 438. The Nature and Growth of Mathematical Thought. (3)

Medical Technology (MT)

MT 200. Introduction to Medical Technology.
A fourth semester on campus course for medical technology majors to acquaint students with the profession and clinical year program of study. One lecture hour. Prerequisite: BI 190 or BS 103 or BS 108; CH 187; or consent of med.tech. advisor. (1) The following courses comprise the fourth year of the cooperative Medical Technology Program and must be taken in an NAACLS accredited program. There may be slight variations in credit hours granted, course titles and course content depending on the specific clinical program.

MT 300. Clinical Chemistry.
Analytical and theoretical aspects of the clinical biochemistry of body fluid constituents and their determination using manual and instrumental techniques. (8-10)

MT 301. Clinical Microscopy.
Principles and techniques of physical, chemical and microscopic examination of urine and other excreta as related to disease processes. (1-2)

MT 302. Hematology and Coagulation.
Study of cellular elements of blood and bone marrow as related to disease. Principles and techniques in homeostasis, blood coagulation and hemorrhage disorders. (6-8)

MT 303. Serology Immunology.
Science of immunity including antibody development, principles of antigenantibody interactions and techniques of serological testing for various disease states. (2-4)

MT 304. Clinical Microbiology.
Techniques of handling, isolating and identifying pathogenic microorganisms; laboratory tests in chemotherapy and diagnostic bacteriology, mycology and parasitology. (7-9)

Study of blood group systems and the immune response. Proper clinical utilization of blood components. (3-4)

MT 306. Special Topics in Medical Technology.
Study in the areas of in-service education, management and supervision, research and development as related to the clinical laboratory. (1-4)

Music (ME, MH, MM, MP, MU)

ME 001. Senior Recital.
A juried public recital of onehalf hour in length, to be presented in final semester of study. Music Education majors only. Prerequisite: 400 level applied music and instructor approval. (0)

An introductory course for prospective music teachers focusing on the overall role of music in the schools. Corequisite: PY 222. (2 hours, with coordinated field experience)

ME 250. Trumpet and Horn Techniques.
Methods, materials, and techniques for teaching the high brass instruments. Two sessions. (1)

ME 251. Trombone, Euphonium, and Tuba Techniques.
Methods, materials, and techniques for teaching the low brass instruments. Two sessions. (1)

ME 252. Flute and Double Reed Techniques.
Techniques and pedagogy of the flute, oboe and bassoon, including embouchure formation, fingering, reed
making and adjustment, and materials. Two sessions. (1)

ME 253. Single Reed Methods.
Techniques and pedagogy of the clarinet and saxophone, including embouchure, fingering, reed selection and adjustment, and materials. Two sessions. (1)

ME 260. String Techniques.
Basic finger patterns and bowing techniques for the violin, viola, cello, and bass. Materials for teaching. Three sessions. (2)

ME 261. Percussion Techniques.
Methods and materials for teaching percussion instruments. Three sessions. (2)

NOTE: ME 270 through ME 473 are open to Music Education Majors only who have passed all parts of the Sophomore Review and who have been admitted to the Teacher Education Program.

ME 270. Music Education Block II: Field Experience.
Integration of appropriately designed field experience corresponding with achievement of the minimum competency standards specified in Secondary Block II coursework. Prerequisite: Music Education Block I. Corequisites: ME 271; ME 272; ME 371. (3)

ME 271. Theories of Learning and Management.
Classroom instruction in learning theory and behavior management coordinated with instruction of a student in an integrated field experience. Prerequisite: Music Education Block I. Corequisites: ME 270; ME 272; ME 371. (2)

ME 272. Techniques of Teaching Reading Music.
Examination of the role of content teachers in improving reading skills. Analyzes problems of reading music and notation symbols for elementary and secondary students. Prerequisite: Music Education Block I. Corequisites: ME 270; ME 271. (2)

ME 281. Instrumental Fundamentals for Vocal Education
Majors. Basic techniques for teaching instrumental music in elementary and/or secondary settings with emphasis on ensemble training and “hands on” experience. (2)

ME 300. Marching Band Techniques I.
History and function of a marching band program as well as the practical hands-on experience in organization, show design, music selection, and drill design. Prerequisite: Two semesters of MU 386. Corequisite: MU 386. (.5)

ME 370. Music Education Block III: Field Experience.
Application of knowledge of professional education, academic specialization, and exceptional children, to appropriate classroom settings. Prerequisites: Music Education Blocks I and II and pass sophomore review. Corequisites: ME 372 or ME 373; EX 390. (1)

Methods and materials for teaching general music classes in elementary schools. (3)

Methods and materials for teaching elementary and secondary general music classes. Prerequisite: Music Education Block II. Corequisites: ME 270; ME 271; ME 272. (4)

Preparation of prospective teachers to structure, organize, manage and instruct an instrumental music program. Prerequisite: Music Education Block II. Corequisites: EX 390; ME 370; MU 344. (3)

Total program development: auditions, seating, adolescent voices, organization, management, literature selection, rehearsal techniques, style interpretation, concert programming and preparation, and professional activities. Prerequisite: Music Education Block II. Corequisites: ME 370; EX 390. (3)

ME 400. Marching Band Techniques II.
Continuation of ME 300 with the experience of arranging music, designing drill and teaching show segments. Prerequisite: ME 300. Corequisite: MU 386. (.5)

ME 443. Choral Literature.
A study of choral literature and performance practices of the major style periods. Repertoire will be selected from all musical style periods and choral genres. Prerequisites: MU 341, MU 343 and ME 373 or permission of instructor. (2)

Focused readings and class activities which challenge students to relate specific course material to overall prep-
ME 451-453. Topics in Music Education.  
Focus on a specific area of interest in music education: elementary or secondary; general, choral or instrumental. Prerequisite: Junior standing. (1-3)

ME 473. Techniques of Teaching Choral Literacy.  
Materials and methods for teaching choral literacy. Tonal and rhythmic vocabularies, analysis of sight-singing literature, review of available materials and group instructional techniques. Prerequisite: Music Education Block III. (2)

MH 251. Music History and Literature to 1827.  
Examination of and aural exposure to musical literature in art music of Western and non-Western cultures in the context of coherent style periods. Emphasis on the interrelation of history and culture as influencing musical literature to 1827. (3)

MH 252. The Evolution of Musical Style Since 1827.  
An analytical examination of representative musical works since 1827 with emphasis on understanding the manipulation of musical symbols and its effects. Prerequisite: Ability to read music. (University Studies course) (3)

MM 001. Entry level proficiency examination in music theory and aural skills.  
For all music majors. (0)

MM 002. Exit level proficiency examination in music theory and aural skills.  
For all music majors. Prerequisites: MM 204; MM 208. (0)

MM 101. Theories of Music in Culture.  
Fundamentals of music in resources and practices of Western and Nonwestern cultures. Corequisite: MM 105 for music majors and minors only. (University Studies course) (3)

MM 102. Basic Harmony and Form.  
Fundamentals of harmony and form as practiced in Western music of the 18th and 19th centuries. Prerequisite: MM 101 with a grade of ’C’ or better. Corequisite: MM 106. (3)

MM 105. Aural Skills I.  
Acquisition of skills to recognize and perform elementary rhythmic and melodic patterns; emphasis on triad and seventh chord identification. Corequisite: MM 101. (1)

MM 106. Aural Skills II.  
Continued emphasis on rhythmic, melodic, sight singing and harmonic dictation. Identification of common cadential progressions. Prerequisites: MM 101 and MM 105 with a grade of ’C’ or better. Corequisite: MM 102. (1)

MM 203. Advanced Harmony, Form and Counterpoint.  
Advanced aspects of harmony and form in Western music of the 18th and 19th centuries with an introduction to 18th century counterpoint. Prerequisite: MM 102 with a grade of ‘C’ or better. Corequisite: MM 207. (3)

MM 204. Twentieth Century Techniques.  
Advanced aspects of harmony, form and counterpoint in Western music of the late 19th and 20th centuries. Prerequisite: MM 203 with a grade of ’C’ or better. Corequisite: MM 208. (3)

MM 207. Aural Skills III.  
Identification of progressions involving modulation and transposition; sight singing involving modulation. Prerequisites: MM 102 and MM 106 with a grade of ’C’ or better. Corequisite: MM 203. (1)

MM 208. Aural Skills IV.  
Atonal sight singing. Basic improvisational techniques; rhythm reading with shifting meters; advanced score reading. Prerequisites: MM 203 and MM 207 with a grade of ’C’ or better. Corequisite: MM 204. (1)

MM 320. Composition.  
Techniques of musical composition with emphasis on structural planning. Techniques of sketching, formal outline, process, and elaboration. Prerequisite: MM 204 or consent of instructor. (3)

MP 100-599. Private Music Lessons.  
Private music lessons are available in the following areas:
MU 001. Piano Proficiency.
Exit level proficiency examination. Requirement for all music majors. Prerequisite: MU 254 or equivalent experience. (0)

MU 002. Sophomore Review.
Mid-point level proficiency examination in music. For all music majors. Prerequisite: Consent of department. (0)

MU 110. Recitals and Concerts.
Participation and attendance at musical performances. (Music majors and minors only) (0)

MU 111. Class Piano.
Beginning piano techniques including five finger patterns, primary chords and transposition. Audition required. Not for Music majors. (2)

MU 113. Intermediate Class Guitar.
Intermediate course in classical guitar technique, including intermediate chording and finger picking. Not for Music Education majors. (2)

MU 114. Singers Diction.
Development of correct Italian, ecclesiastical Latin, German, and French pronunciation for singing. (2)

MU 151. Functional Piano I.
To develop basic piano skills which enable musicians to function in classroom, studio and rehearsal settings. Prerequisite: Audition. (Music majors and minors only) (1)

MU 152. Functional Piano II.
To develop basic piano skills which enable musicians to function in classroom, studio and rehearsal settings. Prerequisite: MU 151 or audition. (Music majors and minors only) (1)

A course in music appreciation which develops informed judgment about music through exposure to live performance. (University Studies course) (3)

An examination of music as artistic expression and an analysis of the role music has played in the human experience. (University Studies course) (3)

MU 190. Jazz Appreciation.
An investigation of the development of jazz in order to develop an aesthetic awareness of this art form and its role in American Culture. (3)

MU 220. Class Voice.
Principles of singing vocal literature. (2)

MU 253. Functional Piano III.
To develop basic piano skills which enable musicians to function in classroom, studio and rehearsal settings. Prerequisite: MU 152 or audition. (Music majors and minors only) (1)

MU 254. Functional Piano IV.
To develop basic piano skills which enable musicians to function in classroom, studio and rehearsal settings. Prerequisite: MU 253 or audition. (Music majors and minors only) (1)

MU 281. Music for Early Childhood.
Designed to acquaint all teachers of young children with music activities, materials, and necessary skills. (Recommended for those seeking early childhood certification.) (2)

MU 288. Arts for Teachers of Young Children.
Enables the student to integrate movement, music, drama, and visual art with each other as well as with different subjects in the preschool/daycare setting. (3)

MU 299. Chamber Music and Accompanying.
Study and performance of chamber music in small ensembles or keyboard accompanying. Prerequisite: Consent of instructor. (1)

MU 300. Junior Recital.
Public half-hour recital of music representing different styles and techniques. Required of all B.M./Performance students. Prerequisite: MP 300 level; consent of instructor. (May not be elected by students on B.A. or B.M.E. degree programs.) (1)

MU 338. Lute and Guitar Tablatures.
Introduction of the various Renaissance and Baroque lute and guitar tablatures in manuscript and print sources. Prerequisites: Junior or senior status; two semesters of private classical guitar lessons; or consent of instructor. (2)

MU 341. Conducting.
Baton technique for development of basic, physical conducting skills. Lab setting with students conducting in class. Prerequisites: MM 204; MM 208; MU 253. (2)

MU 343. Choral Conducting and Literature.
Supervised lab experience in developing conducting techniques, mastering basic conducting skills, rehearsal planning, rehearsal techniques, and study of choral literature. Prerequisite: MU 341 or consent of instructor. (2)

**MU 344. Instrumental Conducting and Literature.**
Supervised lab experience, developing conducting techniques for mastery of basic conducting skills. Development of rehearsal techniques and a significant study of instrumental literature. Prerequisite: MU 341. (2)

**MU 356. Music Skills for Classroom Teachers.**
Provides the non-music major with basic skills of musical performance and notation to enable them to lead elementary students in classroom music activities. Two sessions. (1)

**MU 383. Experimental Music Ensemble.**
Students experience new techniques of performance and notation in addition to performing new works by students, faculty, and composers of international stature. Prerequisite: Consent of instructor. (1)

**MU 384. Guitar Ensemble.**
A performing ensemble open to all university students by audition. (1)

**MU 386. Marching Band.**
Open to all university students without audition. (1)

**MU 387. Jazz Band.**
A select Jazz Ensemble open to all University students. Audition required. (1)

**MU 389. Choral Union.**
An open-enrollment mixed choir for all university students, faculty, and staff. Specializes in performances of major choral works with orchestra. NO AUDITION REQUIRED. (1)

**MU 390. Wind Ensemble.**
A select ensemble open to all university students. Audition required. (1)

**MU 391. Concert Band.**
Open to all university students. No audition required. (1)

**MU 392. Orchestra.**
Open to all university students. Audition required. (1)

**MU 394. University Choir.**
A select, fifty-voice mixed choir open to all university students which performs a variety of literature from all style periods. Audition required. (1)

**MU 398. Music Theatre Workshop.**
Practical experience in various phases of opera production and participation in the musical preparation of appropriate operatic roles. Prerequisite: Consent of instructor. (1)

**MU 400. Senior Recital.**
Public one-hour recital representing different periods or program of compositions (Composition majors). Required of all B.M. degree students. Prerequisite: MP 400 level; consent of department. (May not be elected by students on the B.A. or B.M.E. degree programs.) (2)

**MU 424. Vocal Pedagogy.**
Processes involved in voice production; respiration, phonation, articulation, and resonance. Physiological, psychological, acoustical problems in teaching singing. (2)

**MU 430. Pedagogy: Applied Area.**
A study of the physiological, psychological, and acoustical problems and process in teaching applied music. Prerequisite: 300 level standing in applied music. (2)

**MU 432. Literature: Applied Area.**
The study of the solo literature in a student's major area of emphasis through performance, guided listening, and analysis. Prerequisite: 300 level standing in applied music. (2)

**MU 490-492. Independent Study. (1-3)**

**MU 499. Accompanying.**
Study and performance of chamber music and accompanying involving keyboard instruments. Prerequisites: MU 299, Junior standing. (1)

**MU 525. Piano Pedagogy.**
Problems in teaching piano, including development of technique, tone production, memorizing, fingering, phrasing, etc.; some attention to teaching materials. Prerequisites: MH 251; MH 252. (2)

**MU 526. Organ Pedagogy.**
Performance study of stylistic and interpretive problems encountered by the performance of the corpus of organ literature. Prerequisite: Consent of instructor. (2)

**MU 555. Literature for Piano.**
Study of basic piano literature through guided listening and score analysis, with attention to stylistic characteristics. (2)

MU 539. Literature for Organ.
Study of organ literature through performance, guided listening and score analysis, with attention to style characteristics. Prerequisites: MH 251; MH 252; consent of instructor. (2)

MU 540. Vocal Literature.
Study of vocal literature through listening and analysis of form, style and song texts. Prerequisite: MH 252. (2)

See University Studies (UI) listings for descriptions of:
UI 310. The American Musical Experience. (3)
UI 315. Electronics and Computers in Music. (3)
UI 392. The Age of Romanticism. (3)
UI 393. The Age of Modernism. (3)
UI 394. Music & Culture: 1600-1750. (3)
UI 396. The Age of Beethoven. (3)
UI 397. Music in Medieval & Renaissance Culture. (3)
UI 402. Music in World Cultures. (3)

NOTE: Students may receive one hour of credit per semester for participation in band, orchestra, small ensemble, or choir, up to a maximum of three hours applicable toward a degree, if students are not music majors or minors or pursuing music as an area of specialization.

Nursing (NS)

NS 009. Comprehensive Examination.
Required of all senior year nursing students (except RN to BSN students) in both semesters. Includes one exam on which student must demonstrate potential for success on NCLEX, NCLEX review sessions, and successful completion of assigned computer questions. Prerequisite: Senior standing in the nursing major. (1)

NS 180. The Nursing Profession.
Introduction to critical thinking, nursing process, professional nursing roles, theoretical and historical foundations of nursing, the Department's philosophy and framework. Prerequisite: Formal admission to the nursing major. (2)

NS 181. Professional Practice: Clinical Skills.
Instruction and practice of nursing skills, and the application of critical thinking related to client comfort, safety, mobility, and physiologic functions. Prerequisite: Formal admission to the nursing major. (2)

NS 182. Professional Practice: Rural Nursing.

Historical, traditional, and stereotypical characteristics of individuals in rural settings; related delivery of health care to healthy, vulnerable, medically underserved populations. Prerequisite: Formal admission to the nursing major. (1)

NS 183. Physical Aspects of the Well Client.
Identification and description of factors that influence functioning in everyday living. Emphases on professional communication, physical assessment, environment, lifestyles, community resources. Prerequisite: Formal admission to the nursing major. (3)

NS 184. Emotional and Spiritual Aspects of the Well Client.
Focus on the emotional, spiritual, and cultural dimensions of the well individual. Includes sensitivity toward diversity, therapeutic communication, self-awareness and empathy. Prerequisite: Formal admission to the nursing major. (3)

NS 221-223. Directed Readings in Nursing.
Directed readings designed to address specific nursing issues. (1-3)

NS 232. Altered Health and Pharmacological Management I.
Examines effect of pathology on normal body processes. Emphasis on alteration in cell function and body defenses. Includes clinical manifestations and pharmacologic management of disease states. Prerequisites: BS 113/013; BS 114/014. (3)

NS 234. Altered Health and Pharmacological Management II.
Examines physiologic effect of disease states on body systems and organs. Explores clinical manifestations of disease and use of pharmacologic agents in maintenance of body function. Prerequisite: NS 232. Corequisite: NS 236. (3)

NS 236. Altered Health and Pharmacological Management
II Laboratory. Utilizes a case-study approach to analyze commonly employed medical diagnostic and treatment modalities for various disease states. Prerequisite: NS 232: Corequisite: NS 234. (1)

NS 281. Professional Practice: Family Nursing I.
Focus on pregnancy, birth, growth and development, health promotion, and interaction with childbearing and childrearing families in rural community settings. Prerequisite: Sophomore standing in nursing program. (3)
NS 282. Professional Practice: Family Nursing II.
Application of knowledgeable caring for high-risk pregnant women, children, and families. Standards of practice applied in interdisciplinary professional practice settings. Prerequisites: NS 281; sophomore standing in nursing program. (3)

NS 283. Professional Practice: Medical-Surgical Nursing I.
Introduction to role of medical-surgical nurse, application of critical thinking principles to care of young, middle-aged, and older adults. First semester of two semester sequence. Prerequisites: NS 281; sophomore standing in nursing program. (6)

NS 380. Holistic Assessment.
Assessment of physical, emotional, spiritual, and sociocultural dimensions across the life span related to environment, lifestyles, health patterns, and community resources. For RN-BSN students only. (4)

NS 383. Professional Practice: Medical-Surgical Nursing II.
Introduction to holistic case management and continuity of care beyond acute care settings. Emphasizes care of young, middle-aged, and older adults. Second semester of two semester sequence. Prerequisite: NS 283; junior standing in nursing major. (6)

NS 384. Professional Practice: Mental Health Nursing.
Preparation to meet mental health care needs of clients experiencing emotional and spiritual problems. Includes care of special populations in psychiatry. Prerequisite: Junior standing in nursing major. (3)

NS 385. Research in Professional Practice.
Basic concepts of research process. Emphasizes role of nurse as consumer of research. Prerequisite: NS 383; junior standing in nursing major. (2)

NS 386. Professional Practice: Community Health Nursing.
Introduction, application of community health concepts related to rural populations. Emphasizes independent decision making based on assessment of individuals, families, and communities. Prerequisites: NS 383; junior standing in nursing major. (6)

NS 390. Framework for Professional Nursing.
Focus on goals of baccalaureate education in preparing the nurse for professional nursing practice. Emphasizes professional nursing roles and role change. For RN-BSN students only. (4)

NS 403. Nursing Specialties.
Elective course providing the student with clinical experience related to a specialty. Based on approved individualized objectives. May be repeated. Prerequisite: Senior standing in nursing major. (3)

NS 405-407. Independent Study in Nursing.
(1-3)

NS 410. Nursing Research.
Basic concepts of research process. Emphasizes role of nurse as consumer of research. Prerequisite: Senior standing in nursing major or consent of instructor. (3)

Introduction and application of community health concepts, nursing roles and nursing process to individuals, families, communities in unstructured settings. Independent decision making stressed. Prerequisite: Senior standing in nursing major. (6)

NS 480. Professional Practice: Leadership and Management.
Introduction and application of management/leadership concepts in caring for clients with complex problems in a variety of settings. Prerequisite: Senior standing in nursing major. (6)

NS 481. Advanced Assessment.
Application of basic assessment principles including physical, environmental and community assessment. Introduces advanced assessment techniques, synthesis of all aspects of assessment. Prerequisite: Senior standing in nursing major. (1)

NS 482. Professional Seminar.
Critical analysis of dimensions of professional nursing. Includes professional roles, association membership, health care policy/political activism, standards of practice/guidelines. Prerequisites: NS 480; senior standing in nursing major. (1)

NS 483. Professional Practice: Care of the Frail Elderly.
Care management of the frail elderly across a variety of settings, focusing on family caregiving and the identification of community resources. Prerequisites: NS 480; senior standing in nursing major. (2)

NS 484. Comprehensive Professional Practice.
Clinical internship for senior students. Fosters further development of critical thinking and clinical skills in one or two health care settings. Prerequisites: NS 480; senior standing in nursing major. (6)

NS 490. Nursing Leadership and Management. Presents concepts and principles and clinical application of self, group, and organizational leadership and management. Roles of professional nursing are discussed in relation to leadership and managing care for a group of patients in collaboration with other health team members in acute care and/or long-term health care settings. Prerequisite: Senior standing in nursing major. (6)

See University Studies (UI) listings for description of: UI 412. American Health Care Systems & Issues. (3)

PL 110 Readings in Philosophy. An exploration of the main issues in philosophy through philosophical and literary readings. (University Studies course) (3)

PL 115. Philosophical Writing. A writing study of philosophy emphasizing the clarification, development, criticism, and defense of philosophical ideas. (University Studies course limited to students admitted to the University Honors Program) (3)

PL 120. Symbolic Logic I. A formal study of argument and inference, emphasizing the application of symbolic techniques to ordinary language. (University Studies course) (3)

PL 203. Aesthetics and the Arts. An introduction to the concepts, theories, literature, criticism and modes of perception appropriate to understanding the arts, developing aesthetic attitudes and making reasoned evaluative judgments. (University Studies course) (3)

PL 204. Ethical Theory. A normative study of human behavior including an examination of ethical theories and theories of moral development. (University Studies course) (3)

PL 209. Philosophy and Literature. An exploration of philosophical themes as developed in a literary context. (3)

PL 224. Philosophy of Women. Historical survey of philosophical views on women, including the analysis of controversial issues arising from the women’s movement. (3)

PL 245. Social Philosophy. A study of basic concepts and issues in social philosophy. (University Studies course) (3)

PL 300. Ancient Philosophy. A study of the main philosophical movements, texts and thinkers from ancient Greece through the Roman, Islamic and Medieval periods. Prerequisite: Consent of instructor. (3)

PL 310. Modern Philosophy. A study of the main philosophical movements, texts and thinkers from the rise of science in the seventeenth century through the development of rationalism, empiricism, Kantianism, and the great social and political philosophies of the eighteenth and nineteenth centuries. Prerequisite: Consent of instructor. (3)

PL 330. Symbolic Logic II. The analysis of formal symbolic systems through contemporary logical theory and techniques of deductive proof. Prerequisite: Consent of instructor. (3)

PL 340. Philosophy of Religion. A philosophical analysis of issues basic to understanding religion, including the problem of evil, free will and divine foreknowledge, arguments for the existence of God, relation of faith and reason, and arguments for personal immortality. Prerequisite: Consent of instructor. (3)

PL 390-399. Contemporary Philosophy: Variable Topics. A detailed study of one aspect of contemporary philosophy such as: analytic philosophy, philosophy of mind, epistemology. Prerequisites: PL 330 or PL 310 and 3 additional hours in philosophy; or consent of instructor. (3)

PL 400-409. Seminar: Topics of Philosophy. An analysis of specific philosophical issues, such as time, free will, the problem of universals, the nature of matter. (May be repeated for credit when different topics are offered). Prerequisite: Consent of instructor. (3)

PL 450-452. Seminar: Methods and Movements in Philosophy. An examination of philosophic traditions, such as phenomenology, linguistic analysis, modern philosophical humanism. (May be repeated for credit when different
Physical Activity (AT)

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traditions are offered). Prerequisite: Consent of instructor. (3)

PL 453. Philosophy of Technology. (3)

A study of the development of philosophy in America, including both the impact of Continental philosophies on American thought and the emergence of distinctively American styles of philosophy. Prerequisite: Consent of instructor. (3)
See University Studies (UI) listings for descriptions of:
UI 305. Judicial Reasoning. (3)
UI 336. Religion in America. (3)
UI 352. Medical Ethics. (3)
UI 368. Mind, Meaning, and Value. (3)
UI 369. Vice and Virtue. (3)
UI 370. Media Ethics. (3)
UI 400. Business and Ethics. (3)
UI 403. Aesthetics and Human Values. (3)
UI 407. Rational Endeavor. (3)
UI 412. American Health Care. (3)
UI 415. Science and Religion. (3)
UI 422. Scientific Reasoning. (3)
UI 429. Environmental Ethics. (3)

Physical Activity (AT)

AQUATICS:
AT 101. Aqua-Aerobics.
An introduction to basic body movements and aquatic conditioning exercises designed to contribute to a lifetime of cardiorespiratory fitness. (1)

AT 103. Swimming.
An individualized course that allows development and improvement of swimming skills from non-swimmer to advanced levels. (1)

FITNESS:

AT 112. Tai Chi.
Instruction and practice in the basics of Tai Chi, combining body postures and mental imagery to enhance relaxation and health. (1)

AT 125. Aerobic Kickboxing.
Introduction to the fundamentals of kickboxing. Designed to increase aerobic fitness, muscular strength, endurance and flexibility. (1)

AT 130. Aerobics.
An introduction to the fundamentals of aerobics; special emphasis will be placed on aerobics as a lifetime physical fitness activity. (1)

AT 132. Body Building.
Fundamentals of body building. Students attempt to develop muscular size while maintaining a symmetry of muscular definition. (1)

Development of jogging and walking skills for lifetime fitness. (1)

AT 138. Low Impact Aerobics.
An introduction to the fundamentals of low-impact aerobics. This course involves aerobic activity keeping one foot on the floor at all times (no jogging or jumping activities). Special emphasis will be placed on the use of low-impact aerobics as a lifetime physical fitness activity. (1)

AT 140. SEMO Wellness.
An individualized approach to wellness concepts/practices. Progressive exercise program participation. Application of wellness information for health enhancement through lifestyle changes. (3)

AT 142. Weight Training I.
Fundamentals of weight training. (1)

AT 148. Yoga.
Instruction and practice in the basics of Hatha Yoga: beginning breathing patterns, relaxation techniques, physical postures, and concentration exercises. (1)

LIFETIME ACTIVITIES (INDIVIDUAL/DUAL):

AT 153. Angling, Archery, and Firearms.
Instruction and practice of angling technique, archery target shooting, and air rifle target shooting. (1)

AT 156. Badminton.
Techniques, rules and strategy. (1)

AT 164. Golf I.
Fundamentals of golf; attention to form, strokes, rules, etiquette. (1)

AT 172. Orienteering.
Fundamental skills of map and compass reading and the development of strength and stamina through application of these skills. (1)

AT 174. Rock Climbing and Rappelling.
Development of individual and group skills in solving physical situations and skill problems through role playing and initiative games. Involves both indoor team problem solving and outdoor work on the obstacle course. (1)

**AT 176. Tennis I.**  
Fundamental skills, rules and tactics. (1)

**AT 179. Racquetball.**  
Fundamental skills, rules and tactics. (1)

**LIFETIME ACTIVITIES (TEAM):**

**AT 184. Softball.**  
Fundamental skills, rules and strategy. (1)

**AT 186. Volleyball I.**  
Fundamental skills, rules and strategy. (1)

**MARTIAL ARTS/SELF DEFENSE:**

**AT 192. Judo I.**  
Fundamental skills, rules and tactics. (1)

**AT 193. Judo II.**  
Advanced skills and tactics. Prerequisite: AT 192 or equivalent. (1)

**AT 196. Self Defense I.**  
Fundamentals of self defense. (1)

**AT 197. Self Defense II.**  
Advanced steps in self defense for leisure activity and higher skills of self protection. Prerequisite: AT 196 or equivalent. (1)

**AT 198. Tae Kwon Do I.**  
Fundamental techniques of Tae Kwon Do for students of varying skill and experience. (1)

**AT 195. Tae Kwon Do II.**  
Advanced techniques of Tae Kwon Do. Prerequisite: AT 198. (1)

**VARSITY SPORTS:**

**AT 200. Varsity Sports.**  
Conditioning, theory, and skill development in an inter-collegiate varsity sport. Prerequisite: Member of varsity sport team. (1)

**AT 201. Varsity Sports.**  
Conditioning, theory, and skill development in an inter-collegiate varsity sport. Prerequisite: AT 200. (1)
PE 270. Methods of Middle School Physical Education.
Methods and materials for teaching physical education in the middle school. Prerequisites: PE 239; Block I. (3)

PE 305. Motor Development, Learning, and Behavior.
Study of human movement from a motor development and motor learning perspective and its application to the teaching/learning of motor skills. (3)

PE 308. Perceptual Motor Development.
Study of and involvement with children through motor development. Prerequisite: Block III or consent of instructor. (2)

PE 309. Physical Education in the Elementary Curriculum.
An interdisciplinary approach to the integration of fundamental movement skills, wellness, and other physical education concepts with various elementary school disciplines. Corequisite: Elementary Block III or consent of instructor. (1)

PE 310. Tests and Measurements in Physical Activity/Sport.
Available standardized tests in the field. Analysis, construction, administration and use of tests in exercise and sport. (2)

PE 341. Physiology of Conditioning.
Designed to present current foundations, theories and methods of conditioning. Prerequisites: BS 113/013. (3)

Topics not included in basic curriculum. (1-3)

PE 408. Physical Education for Individuals with Disabilities.
Study of individuals with physical, mental, or emotional disabilities in a multicultural physical education setting. Prerequisite: EX 390 or consent of instructor. (2)

PE 460. Sports Administration I.
Organization and administration of sport at various levels. The principles, policies, and procedures of sport administration with school emphasis. (3)

Basic patterns and mechanical principles of motor behavior and their application in physical education and sport. Prerequisites: BS 113/013 or BS 312. (3)

PE 465. Seminar in Physical Education.
Capstone course for K-12 Physical Education major. (1)

Physics (PH)

PH 106. Physical Concepts.
An introduction to the concepts and principles governing the natural physical world and their relation to society. Emphasis on developing an appreciation for the role of science in our life. Does not count on a major or minor. Two lectures and two hour lab. (University Studies course) (3)

PH 109. Exploring the Universe.
An examination of the physical nature of planets, stars and galaxies, their interrelationships and evolutionary processes. Emphasis on the role of scientific inquiry in our present understanding of the Universe. Does not count on a minor. Two lectures and two hour lab. (University Studies course) (3)

PH 120/020. Introductory Physics I.
Geometrical optics and instruments; kinematics, dynamics, gravitation, momentum, energy, rotation, elasticity, sound and wave motion. Three lectures and two 2 hour labs. Prerequisite: MA 133; MA 134; or equivalent. (University Studies course) (5)

PH 121/021. Introductory Physics II.
Heat and thermodynamics, electricity, magnetism, wave optics, and modern physics. Four lectures and one 2 hour lab. Prerequisite: PH 120/020. (5)

Major topics include atomic structure, elements and compounds, chemical reactions and energy concepts of heat, light, sound, electricity and magnetism. Does not count on a major or minor. Two lectures and two hour lab. Prerequisite: BS 118. (University Studies course) (3)

PH 230/030. General Physics I.
Mechanics; kinematics and dynamics of linear and rotational motion; heat and thermodynamics. Four lectures and two hour lab. Prerequisite: MA 140. Corequisite: MA 145. (5)

PH 231/031. General Physics II.
Electricity, magnetism; wave motion and sound; geometrical and physical optics. Four lectures and two hour lab. Prerequisite: PH 230/030. Corequisite: MA 240. (5)

PH 328. Energy.
Energy sources and energy flow in an industrialized society. Energy resources, production, conversion, and consumption. Growth of energy use and its environmental implications. On demand. Counts on a minor only. Prerequisite: MA 134 or equivalent. (3)

PH 341. Optics.
Geometrical and physical optics; Fourier analysis; interference, diffraction, double refraction, gratings and light in matter. Spring even years. Prerequisites: PH 231/031; MA 245. (3)

PH 345. Experimental Methods I.
Selected experiments in physics and engineering with emphasis on measurement system design, equipment selection, acquisition and evaluation of data, and written and oral reporting. One lecture, 2 two-hour lab. Fall only. Prerequisites: Logical Systems (MA 134 or higher); PH 121/021 or PH 231/031. (3)

PH 360. Modern Physics.
Theory of special relativity, quantum physics, atomic structure, nuclear physics, elementary particles. Selected topics chosen from recent developments in physics. Fall odd years. Prerequisites: PH 231/031; MA 245. (3)

Selected topics in Newtonian mechanics, including kinematics and dynamics of particles, oscillations, gravitation, Lagrangian and Hamiltonian dynamics, central-force motion, noninertial reference frames, and rigid-body dynamics. Fall even years. Prerequisites: PH 231/031; MA 245. (3)

PH 371. Electromagnetics.
Electric fields, potential and dielectrics; magnetic fields, magnetic properties of matter; Maxwell’s equations and electromagnetic waves. Fall odd years. Prerequisites: PH 231/031; MA 245. (3)

PH 400. Topics in Physics and Engineering.
Course title will vary. Format may include lectures, labs, seminars, or other forums as required by the specific course. Prerequisites: PH 231/031; MA 245. (3)

PH 445. Experimental Methods II.
Advanced experiments in physics and engineering with emphasis on measurement system design, equipment selection, acquisition and evaluation of data and written and oral reporting. One lecture and two 2-hour labs. Spring only. Prerequisite: PH 345 or UI 330. (3)

PH 473. Quantum Mechanics.
The fundamental postulates of quantum mechanics and their applications to selected systems. Topics include one-dimensional systems, perturbation theory, three-dimensional systems, angular momenta, one-electron atom, Hartree-Fock formalism, variational principles and quantum theory of scattering. Spring odd years. Prerequisites: MA 245; PH 231/031. (3)

PH 475-476. Literature of Physics.
Intensive study of sources of physics literature by students doing a literature search on a selected topic in physics. Prerequisite: Consent of department chairperson. (1-2)

Presentations and discussions by faculty and students on recent topics encountered in reading or research. Prerequisite: PH 121/021 or PH 231/031. (1)

PH 478-479. Undergraduate Research.
Original research for students demonstrating superior ability. Prerequisite: Consent of department chairperson. (1-2)

PH 490-491. Independent Study in Physics.
Individual studies on selected topics not covered by regularly scheduled courses. Prerequisite: Consent of department chairperson. (1-2)

Study of precollege physics curricula based on nationally developed programs. Familiarization with lecture, laboratory, audiovisual, and reference materials. Use of microcomputers. Two lectures and two hour lab. On demand. Prerequisites: PH 231/031; MA 245; or consent of instructor. (3)

PH 570. Mathematical Physics.
Selected topics in vector analysis, coordinate transformations, Fourier series, Legendre and Bessel functions, and partial differential equations. Emphasis on practical applications in physics. Spring even years. Prerequisites: PH 231/031; MA 350; or consent of instructor. (3)

See University Studies (UI) listings for descriptions of:
UI 330. Experimental Methods I (3)
UI 378. Physics of Star Trek (3)
PS 103. U.S. Political Systems.
Institutions and processes of national and state government, including an analysis of the Missouri Constitution. (University Studies course) (3)

PS 104. Comparative Political Systems.
The institutions, cultures and practices of democratic and nondemocratic governments, including the United States, including an analysis of the Missouri Constitution. (University Studies course) (3)

PS 220. Missouri Government.
For transfer students only with approval of the Registrar; study of the Constitution, government, and politics of Missouri. (1)

PS 230. American Public Policy.
Major foreign and domestic policies of the U.S. with emphasis on current issues. Prerequisite: PS 103 or PS 104. (3)

PS 240. Introduction to Political Science.
An introduction to the basic concepts and research methods of the discipline, including approaches to study of political science. Prerequisite: PS 103 or PS 104. (3)

PS 280. Introduction to Global Issues.
Concepts and theories to analyze global issues emphasizing conflict, cooperation, arms control, human rights, the environment, development, and the role of the United States. (3)

PS 300. Pre-Law LSAT.
Noncredit course designed to familiarize students with the Law School Admission Test (LSAT). (0)

In-depth analysis of the government processes and management of the American states with particular emphasis placed on their interaction. Prerequisite: PS 103 or PS 104. (3)

Focusing on the contemporary presidency and interaction with Congress and the courts. Prerequisite: PS 103 or PS 104. (3)

PS 335. American Foreign Policy.
A study of the formulation and implementation of contemporary American foreign policy. Prerequisite: PS 103 or PS 104. (3)

PS 355. Third World Politics.
A survey of socio-economic and political developments of Third World countries in Africa, Asia, and Latin America. Prerequisite: PS 103 or PS 104. (3)

PS 360. Political Parties and Voting Behavior.
An examination of their organization and role in the political process with attention given to interest groups and public opinion. Prerequisite: PS 103 or PS 104. (3)

Introduction to American assemblies with primary attention on the U.S. Congress and its role in policy making. Prerequisite: PS 103 or PS 104. (3)

PS 370. Political Behavior.
A study of the effects of personality on politics including political leadership, alienation, socialization, and political types. Prerequisite: PS 103 or PS 104. (3)

PS 376. Latin American International Relations.
Study of the Latin American countries’ international relations with each other, the U.S., and nonhemispheric states. Prerequisite: PS 103 or PS 104. (3)

PS 380. International Organizations.
Origins, objectives, structures, and functions of the United Nations and non-affiliated organizations of regional cooperation. Prerequisite: PS 103 or PS 104. (3)

PS 384. Political Science Internship.
Practical experience with a public agency providing firsthand experience in the operations of public policy. Prerequisites: PS 103 or PS 104; overall GPA of 2.5. (3)

PS 385. Political Science Internship.
Same as PS 384. (3)

PS 386. Political Science Internship.
Same as PS 384. (3)

Directed individual study of special interest areas in political science. Prerequisite: Consent of instructor. (1-3)

PS 390. The American Judicial System.
Organization and function of federal and state courts including their interaction with the executive and legislative branches of government. Prerequisite: PS 103 or PS 104. (3)

A comprehensive examination of the operations of public agencies from an internal and external perspective. Prerequisite: PS 103 or PS 104. (3)

**PS 403. Public Personnel Administration.**
An analysis of personnel practices, procedures, and research of the state and federal agencies. Prerequisite: PS 103 or PS 104. (3)

**PS 415. Government Budgeting Process.**
Procedures and decision making strategies involved in the preparation, authorization, and expenditure of the federal budget. Prerequisite: PS 103 or PS 104. (3)

**PS 418. Public Policy Analysis.**
Systematic analysis of how public analysts evaluate different policy issues. Prerequisite: PS 103 or PS 104. (3)

**PS 420. Politics of Food and Rural Policy in the United States.**
U.S. domestic and foreign agriculture and rural development policies including rural ideology, policy development and political activity. Prerequisite: PS 103 or PS 104. (3)

**PS 425. Administrative Law and Procedure.**
An analysis of rules, procedures, and decision-making practices of public agencies at the state and federal level. Prerequisite: PS 103 or PS 104. (3)

**PS 440. Political Theory.**
Introduction to political philosophy. Prerequisite: PS 103 or PS 104. (3)

**PS 450. Government and Politics of East and Central Europe.**
A study of the transformation of Russia and other countries of Central/Eastern Europe (including the former East Germany) from authoritarian to democratic political systems with an emphasis on political economy, ethnicity, and nationalism. Prerequisite: PS 103 or PS 104. (3)

**PS 460. Government and Politics of Western Europe.**
A study of government and politics of Western Europe. This course provides a comparative perspective emphasizing the politics of Britain, France, Germany, Spain, Italy, and the institutions of the European Union. Prerequisite: PS 103 or PS 104. (3)

**PS 470. Politics of the Developed World.**
An examination of the major political, social, and economic issues facing governments of the developed world. Prerequisite: PS 103 or PS 104. (3)

**PS 490. Constitutional Law.**
Major decisions of the Supreme Court, the policy-making role of the Court and judicial behavior of judges. Prerequisite: PS 103 or PS 104. (3)

**PS 570. Comparative Government.**
Governmental principles and practices in the United Kingdom, France, Germany, and the Soviet Union. Prerequisite: PS 103 or PS 104. (3)

**PS 580. International Politics.**
Analysis of the super powers struggle for economic military and political power with emphasis on the Third World. Prerequisite: PS 103 or PS 104. (3)

**PS 595. International Law.**
Examination of those principles generally governing the conduct of nations. Prerequisite: PS 103 or PS 104. (3)

See University Studies (UI) listings for descriptions of:

- UI 320. Modern Presidency (3)
- UI 322. International Political Economy (3)
- UI 342. Modern Political Thought (3)
- UI 350. Middle East Politics (3)
- UI 357. Early American Political Thought (3)
- UI 358. Foundations of Political Thought (3)
- UI 361. Contemporary Political Theory (3)
- UI 440. The Holocaust (3)

**Psychology (PY)**

**PY 101. Psychological Perspectives on Human Behavior.**
Examination of human behavior and experience from a psychological perspective. Application of psychological principles to understanding of human behavior. (University Studies course) (3)

**PY 102. Introduction to Psychology.**
Introduction to the field of psychology. Includes perception, learning, memory, motivation, emotion, intelligence, personality, human development, psychopathology, and social behavior. (3)

**PY 120. The Child: Development from Conception to Adolescence.**
An overview of the social, cognitive, physical and emotional changes that occur from conception to adolescence. Application of principles of development to the
understanding of child development and behavior. (University Studies course) (3)

**PY 151. Social Decision Making.**
Concepts, theories and research that contribute to understanding, analyzing and evaluating people's thinking and behavior in social psychological interactions. (University Studies course) (3)

**PY 220 Psychological Development Across the Life Span.**
Broad overview of human development across the life-span. Reciprocal nature of the individual/environment interaction is emphasized. (University Studies course) (3)

**PY 222. Development of the Adolescent.**
The basic physical, cognitive, social and personality development of the adolescent period will be examined. Efforts will be made to understand current issues affecting adolescence in light of recent empirical and theoretical knowledge. (University Studies course) (3)

**PY 250. Applied Psychology.**
A comprehensive study of how psychology is used, how psychologists do their work and how applications of psychology affect daily life. (3)

**PY 251. Industrial and Organizational Psychology.**
Survey of industrial-organizational psychology as a science and a profession. Theory is integrated with skill development in several areas. (3)

**PY 271. Research Design and Analysis I.**
Introduction to basic data analysis used in psychological research, including descriptive and inferential techniques and elements of research design. (3)

**PY 325. Psychological Development of the Family.**
Examination of psychological factors affecting family development and interaction across the stages of family life. (3)

**PY 353. Social Cognition.**
Analysis of theories, evidence, and practical applications of the way that people make sense of their personal and social lives. (3)

**PY 358. Social Psychology.**
A survey of psychological aspects of social action and interaction, including aggression, attitudes, attraction, altruism, prejudice, group behavior, environmental psychology, and applied social topics. (3)

**PY 359. Psychology and the Law.**
Psychological analysis of law, criminality and the judicial system. Emphasis on psychological research exploring all aspects of the legal system. (3)

**PY 362. Learning and Memory.**
Basic phenomena of learning and memory, including: principles of classical and instrumental conditioning; the roles of contiguity, practice and reinforcement in learning; transfer of learning; and retention of learning. (3)

**PY 364. Comparative Cognition.**
A review of the history and theory associated with the scientific study of cognition in animals. The course specifically reviews contemporary research in attention, memory, primate cognition, serial learning, timing and counting, and concept learning. Evolutionary similarities and differences among species are explored. (3)

**PY 366. Introduction to Sensation and Perception.**
Introductory study of the behavioral, physiological and cognitive aspects of sensation and perception. (3)

**PY 370. Research Design and Analysis II.**
Introduction to research methods used in psychological research, including experimental survey, and observational designs. Prerequisites: PY 102; PY 271. (3)

**PY 401. Special Topics in Psychology.**
In-depth analysis of current readings related to the topic under consideration. Topic and content will be variable. Prerequisites: Junior standing; PY 271; PY 497; or consent of department chairperson. (3)

**PY 432. Introduction to Personality.**
Introduction to theories on personality, assessment of personality and application of personality theory and assessment to basic life processes. (3)

**PY 440. Abnormal Psychology.**
Survey of classification and assessment of abnormal behavior, its causes and methods of treatment. (3)

**PY 441. Introduction to Clinical Psychology.**
Survey of the understanding, assessment, treatment and prevention of maladaptive behavior. (3)

**PY 442. Psychotherapy.**
Theoretical and methodological aspects of analytic, neo-analytic, existential, cognitive, and behavioral therapies and assessment of their clinical effectiveness. (3)

**PY 444. Childhood: Psychopathology.**
Survey of the clinical description, causes and treatment of the major forms of abnormal behavior evident during childhood and adolescence. (3)

**PY 450. Organizations as Open Systems.**
Organizations and organizational behavior are studied from an open system theory orientation. (3)

**PY 460. Cognitive Processes.**
Principal cognitive processes in humans, theoretical explanations and empirical findings. Prerequisite: one PY course. (3)

**PY 465. Motivation and Emotion.**
Physiological, social, cognitive, and environmental factors that contribute to the causation, maintenance, and regulation of motivated and emotive behaviors. (3)

**PY 466. Introduction to Physiological Psychology.**
An introduction to the neural, hormonal, and genetic mechanisms that help mediate behavior. (3)

**PY 484. Advanced Research in Psychology.**
A laboratory research experience emphasizing the integration of material from previous research courses through conducting an original research study. Prerequisites: PY 102; PY 271; PY 370. (3)

**PY 491-492. Directed Readings in Psychology.**
Directed reading in an area of psychology allowing students to increase their knowledge in an area of individual interest. Prerequisites: Completion of 75 semester hours; minimum 2.75 GPA in psychology or 2.50 cumulative GPA; consent of department chairperson. (2-3)

**PY 493-494. Directed Research in Psychology.**
Supervised experimental study of a psychological topic selected by the student, who should be well informed in fundamentals of experimental methods and statistics. Prerequisites: Completion of 75 semester hours; minimum 2.75 in psychology or 2.50 cumulative GPA; consent of department chairperson. (2-3)

**PY 495. Internship in Psychology.**
Practical experience utilizing psychological principles and research methodology in applied settings. Course may be repeated once. Prerequisites: Psychology major; 18 hours of PY courses; GPA of 2.50 in psychology. (3)

**PY 497. Historical Development in Psychology.**
Development of psychology as a discipline and profession. An historical coverage of systems and directions representing the breadth and diversity of the discipline. Prerequisites: PY 102; PY 271; PY 370 and completion of the extended core requirements in the major. (3)

**PY 521. Advanced Child Development.**
In-depth investigation of selected topics in cognitive, social, emotional, and physical development from conception through late childhood. Prerequisite: PY 120 or PY 220 or PY 222; or consent of instructor. (3)

**PY 525. Maturity and Aging.**
Investigation of the physical, intellectual, social and cultural influences on postadolescent development. (3)

**PY 529. Psychology of Death and Dying.**
Examination of the processes of death, dying and bereavement in contemporary society. (3)

**PY 531. Psychological Testing.**
Basic principles of construction, administration and interpretation of psychological tests. Considerations in the use of tests in various settings. Prerequisite: PY 271 or PY 571 or QM 257 or SO 242; or consent of instructor. (3)

**PY 543. Clinical Psychopharmacology.**
Survey of the clinical uses of the major classes of drugs employed in the treatment of psychological disorders. (3)

**PY 553. Perspectives on Stress.**
Application of stress principles in the practice of psychology and management pertaining to organizational behavior. (3)

**PY 555. Health Psychology.**
Applications of psychology that contribute to promotion of health and prevention of disease through behavior change in health enhancing directions. (3)

See University Studies (UI) listings for descriptions of:

- **UI 300. Drugs and Behavior (3)**
- **UI 317. Human Sexuality (3)**
- **UI 354. Lifestyle Enhancement (3)**
- **UI 430. Aging Successfully: Critical Issues Facing the Individual in the 21st Century (3)**
- **UI 444. Americans and Their Institutions. (3)**
Quantitative Methods (QM)

QM 257 (MG 257). Business Statistics.
Statistical methods with business applications emphasis. Includes descriptive statistics, probability, probability distributions, sampling theory, estimation, hypothesis testing, regression, ethical considerations. Prerequisites: AD 101 with a minimum grade of ‘C’; MA 139 with a minimum grade of ‘C’. (3)

QM 352 (MG 352). Quantitative Methods in Business.
The application of mathematical techniques to business problems including decision theory, linear programming, queuing theory and forecasting. Prerequisites: MA 139 and QM 257 with a minimum grade of ‘C’ and junior standing. (3)

Recreation (RC)

RC 100. Leisure in a Diverse Culture.
Study of leisure and its impact on contemporary culture, diverse populations, and the lives of individuals. (3)

RC 112. Introduction to Music Therapy.
Survey of music therapy settings and interdisciplinary professional applications. Emphasis on experiential learning of concepts. (3)

RC 116 (Cross-listed as HL 116). Special Topics in Health and Leisure.
Special topics in health and leisure unavailable in the department curriculum. May be repeated for credit on different topics. (1-3)

RC 119. Outdoor Adventure Special Topics.
Special topics in outdoor adventure skills and principles that are unavailable through the department curriculum. May be repeated for credit on different topics. Prerequisite: Permission of instructor. (1-3)

RC 140. Introduction to Recreation Services.
Historical and philosophical foundations of recreation and leisure profession, influences of recreation and park movements, technological, economic, and community impact on leisure delivery systems. (3)

Organization and administration of camps and principles of camp leadership. (3)

RC 220. Leadership and Group Dynamics.
Principles and techniques in recreation leadership, leadership theories, and group dynamics. For recreation majors and minors; or by consent of instructor. (3)

RC 230. Recreational Sports.
Exploration and examination of the recreational sports/intramurals/campus recreation field including philosophy and programming. (3)

Introduction to the community service field with emphasis on peer and youth mentoring programs. Focus on successful mentoring skills and exploration of mentoring programs. (3)

The outdoor recreation movement and the role of federal, state, and community agencies in response to outdoor recreation demands. Prerequisite: RC 140. (3)

RC 260. Introduction to Therapeutic Recreation.
Introduction to recreation programming of major agencies serving special populations. Prerequisite: RC 140. (3)

RC 270. Commercial Recreation.
An overview of the area of commercial recreation and the process of establishing a commercial recreation entrepreneurship. (3)

RC 288. Practicum in Recreation Services.
Limited observation and extensive hands-on participation as a paraprofessional in local recreation/park programs. Six hours field work; one hour seminar per week. Prerequisites: RC 140; Recreation major or minor. (3)

RC 300. Leisure Education.
Students learn concepts and models of leisure education, communication skills, leadership strategies in leisure education, and how to build and maintain helping relationships. Prerequisite: RC 260. (3)

RC 303 (Cross-listed as HL 303). Research Methods.
Overview of research methods in health and recreation with emphasis on research designs, instrument construction, and basic data management. Prerequisites: HL 111 or RC 140; Health Management or Recreation major. (3)
RC 304. Therapeutic Recreation: Program Design.
Examination of the process of service delivery in Therapeutic Recreation including client assessment, program planning/evaluation, and client progress/outcomes. (3)

RC 316 (Cross-listed as HL 316). Special Topics in Health and Leisure.
Special topics in health and leisure unavailable in the department curriculum. May be repeated for credit on different topics. (1-3)

Topics not included in basic curriculum. (1-3)

RC 324. Independent Study in Therapeutic Recreation.
An investigation of contemporary issues and problems in therapeutic recreation to include assessment, planning and implementing, documentation, organizing and diagnostic grouping. (3)

Understanding developmental stages of youth and the impact of recreational programs on character, identity, and personal growth. Focus on facilitating changes in leisure behavior. Prerequisite: RC 245. (3)

RC 360. Therapeutic and Adapted Recreational Services.
Recreation services for special population groups. Prerequisite: RC 260. (3)

Principles of program planning for recreation and park settings. Pre or corequisite: RC 288. (3)

RC 385. Recreational Facilities Planning and Management.
Trends, problems and future directions of facility development, construction and maintenance of recreation and park facilities. Pre or corequisite: RC 288. (3)

RC 405. Trends and Issues in Recreation and Leisure.
Study of current economic and social changes and their influence on leisure pursuits and on the recreation profession. Prerequisites: Junior standing; 15 hours of recreation completed. (3)

Administration of public recreation and park services provided by municipal, county, and state agencies. Prerequisites: RC 380; RC 385; senior standing. (3)

RC 440. Facilitation of Group Development.
Applies experiential education theory in group settings. Focus is on designing and facilitating experiences which incorporate critical reflection, problem-solving and decisionmaking skills. Prerequisite: RC 220. (3)

RC 450. Outdoor Adventure as Treatment.
Outdoor leadership skills including rock climbing, whitewater rafting, hiking, and horseback across the United States. Student completing course earns wilderness treatment specialists certification. Prerequisites: RC 260; SR 448. (3)

RC 460. Problems and Issues in Therapeutic Recreation.
An investigation of contemporary issues and problems in therapeutic recreation to include assessment, planning and implementing, documentation, organizing, and diagnostic grouping. Prerequisites: Completion of 15 hours in recreation; 2.5 overall GPA or 2.75 in RC courses. (3)

RC 497. Recreation Internship.
Internship with approved professionals in selected recreation/park programs. Experience in all phases of a recreation/park agency operation. Prerequisites: Senior standing; completion of all degree requirements; 2.50 GPA in the major; 2.25 cumulative GPA; faculty advisor's and university's internship supervisor's approval. (12)

Religion (RS)

RS 101. World Religions.
A study of major world religions, including an examination of various definitions and characteristics of religion as exemplified in the histories of religions and their impact on societies. (University Studies course) (3)

A study of the literary genres and historical contexts of the New Testament writings. (University Studies course) (3)

An historical and critical study of the literature of the Old Testament, using tools of modern biblical scholarship. (University Studies course) (3)
RS 210. Asian Religions.
A study of religious systems of India, Southeast Asia, China and Japan. Prerequisite: consent of instructor. (3)

An analysis of specific question areas in religion, such as death and dying, personal immortality, divine foreknowledge. (May be repeated for credit when different topics are offered.) Prerequisite: Consent of instructor. (3)

Secondary Education (SE)

SE 222. Secondary Block I Field Experience.
An entry level course for students wishing to pursue a teaching career at the secondary level in the field of education. Corequisite: EM 102; PY 222. (1)

SE 250. Fundamentals of Middle School Education.
History, philosophy, organization, and curriculum of middle level schools and the instructional strategies and technology for teaching young adolescents. Prerequisite: Secondary Block I. Corequisites: SE 270; SE 271; SE 272. (3)

SE 251. Reading and Writing in Middle School.
A study of reading and writing as tools for learning in the middle school content area. (3)

SE 270 Secondary Block II Field Experience.
Integration of appropriately designed field experience corresponding with achievement of the MOSTEP standards specified in Secondary Block II coursework. Prerequisite: Block I. Corequisite: Block II. (3)

SE 271. Theories of Learning and Management.
Classroom instruction in learning theory and behavior management will be coordinated with instruction of a student in an integrated field experience. Prerequisite: Block I. Corequisite: Block II (2)

Provides the student with a variety of methods and materials for improving reading skills at the secondary level. Prerequisite: Block I. Corequisite: Block II. (2)

History, philosophy, organization, and curriculum of high schools and the instructional strategies and technology for teaching adolescents. Prerequisite: Block I. Corequisite: Block II. (3)

SE 274. Reading Education for Speech Pathologists.
Provides the speech pathology student with an understanding of methods and materials for improving reading skills of second school students. Prerequisite: Admission to the Teacher Education Program. (2)

SE 311. Techniques of Teaching High School Mathematics.
Methods, materials and trends in secondary mathematics. Prerequisites: Blocks I & II. Corequisite: Block III. (3)

Organization, administration, curriculum development and methods of teaching in vocational home economics programs at the elementary, secondary and adult levels. Prerequisites: Blocks I & II. Corequisite: Block III. (4)

SE 314. Techniques of Teaching Business Subjects.
Methods, materials and trends in secondary business education. Prerequisites: Blocks I & II. Corequisite: Block III. (3)

SE 315. Techniques of Teaching Art.
Methods, materials and trends in secondary art. Prerequisites: Blocks I & II. Corequisite: Block III. (3)

SE 316. Techniques of Teaching Technology Education.
Philosophy, methods, materials and trends in technology education. Prerequisites: Blocks I & II. Corequisite: Block III. (3)

Methods, materials and trends in secondary social studies. Prerequisites: Blocks I & II. Corequisite: Block III. (3)

SE 319. Techniques of Teaching English.
Methods, materials and trends in secondary English. Prerequisites: Blocks I & II; EN 378; EN 379; EN 385. Corequisite: Block III. (3)

SE 320. Techniques of Teaching Science.
Methods, materials and trends in secondary science. Prerequisites: Blocks I & II. Corequisite: Block III. (3)
SE 321. Techniques of Teaching Physical Education.
Methods, materials and trends in secondary school physical education. Prerequisites: Blocks I & II. Corequisite: Block III. (3)

SE 322. Techniques of Teaching Foreign Languages.
Methods, materials and trends in foreign language education. Prerequisites: Blocks I & II. Corequisite: Block III. (3)

SE 323. Techniques of Teaching Speech.
Methods, materials and trends in the teaching of speech communication at the secondary level. Prerequisites: Blocks I & II. Corequisite: Block III. (3)

Students will apply knowledge of professional education, an academic specialization and exceptional children, to appropriate classroom settings. Prerequisites: Blocks I & II. Corequisite: Block III. (3)

SE 460. Practicum.
Professional practicum for students in the Alternative Certification program requiring classroom teaching under the direction and supervision of site administrators and program coordinator. (6)

SE 463. Student Teaching Experience I.
Professional practicum requiring demonstration of teaching competencies in school settings under the direction of cooperating teachers and university coordinators. Prerequisites: Senior status; one semester in residence; completion of all required professional education courses; seventy-five percent of academic coursework related to certification; good standing in the Teacher Education program. (6)

SE 464. Student Teaching Experience II.
Professional practicum requiring demonstration of teaching competencies in school settings. Students teach under the direction of cooperating teachers and university coordinators. Prerequisite: SE 463. (6)

SE 480. Independent Study in Middle & Secondary Education.
Independent work in a specialized area not covered by regular course offerings. Prerequisite: Consent of Instructor. (1-3)

SE 500. The Internet in Education.
Study of the internet and its uses in education, including the design of educational web pages and planning of internet-based activities for students. In addition, this course will give students an appreciation for the management issues surrounding the development and use of information technology in education. Prerequisite: EM 102 or consent of instructor. (3)

Social Rehabilitation (SR)

Orientation to treatment approaches (modalities) relating to alcohol and drug abuse. Individual treatment approaches, family therapy and intervention models as well as selected group treatment approaches will be explored. Prerequisite: Junior standing. (3)

An overview of treatment strategies used in juvenile justice programs and an opportunity to observe and participate in actual programs at local agencies. Prerequisites: SW 110; PY 441 or PY 444. (3)

SR 450. Wilderness Advantage Therapy.
Experiential education in the concepts of wilderness therapy with juvenile and adult offenders. Completion of field expedition qualifies student for certification. (3)

Social Work (SW)

SW 103 (Cross-listed as BS 103). Human Biology.
Emphasis on human cell, tissue, and organ system function. Discussions focus on a systems approach to human health and disease. Does not count on any major or minor in Biology Department. (University Studies course) Prerequisite: SW 110. (3)

SW 207. Understanding Cultural and Social Diversity.
Presents knowledge and develops understanding, affirmation, and respect for people from diverse backgrounds within their cultural contexts at the interpersonal level. (University Studies course) (3)

SW 110. Introduction to Social Work.
Provides a survey of social work profession and its central ideas, values, methods, and practice settings. (3)
SW 255. Special Topics in Social Work.
Study of specific social work topics and issues. (May be repeated for credit on different topics.) On demand. Prerequisite: SW 110 with a minimum grade of ‘C’ or consent of instructor. (3)

SW 307. Human Behavior and Social Environment I.
Introduces students to knowledge, theories, and concepts about human behavior with emphasis on individuals and families. Prerequisites: BS/SW 103, PY 101, SO 102, SW 207, each with a minimum grade of ‘C’.

SW 308. Human Behavior and Social Environment II.
Introduces students to knowledge, theories, and concepts about human behavior in the context of groups, organizations, and communities. Prerequisite: SW 307 with a minimum grade of ‘C’. (3)

Critical analysis and evaluation of social welfare policies and programs/services. Prerequisites: SW 110; University Studies Political and Economic Systems. (3)

Explores beginning knowledge and skills needed for providing intervention with individuals, families, groups and social systems. Limited to non-Social Work majors. Pre or Corequisite: SW 307. (3)

SW 321. Generalist Practice I.
Introduces skills and knowledge for working with individuals in the context of the larger social environment. One 2-hour lecture and one 2-hour lab. Prerequisite: SW 307 with a minimum grade of ‘C’ or concurrent enrollment; Social Work major. (3)

SW 322. Generalist Practice II.
Focuses on development and application of intervention skills for generalist social work practice with individuals, families, and groups. One 2-hour lecture and one 2-hour lab. Prerequisite: SW 308 with a minimum grade of ‘C’; SW 321 with a minimum grade of ‘C’; Social Work major. (3)

SW 323. Generalist Practice III.
Focuses on development and application of intervention skills in assessment, planning and social change for generalist social work practice with communities. Prerequisite: SW 308 with a minimum grade of ‘C’; Social Work major. Co or prerequisite: SW 322. (3)

SW 342. Methods of Social Research.
The application and use of the social scientific method for measuring social work intervention. Prerequisite: SW/SO/AN 242 or PY 271 with a minimum grade of ‘C’. (3)

Examines knowledge and skills required for effective social service delivery to families and to children in day care, foster care or adoptive placement. Prerequisite: SW 110 with minimum grade of ‘C’ or consent of instructor. (3)

SW 352. Social Welfare Services to the Aged.
Examines the knowledge and skills required for effective social service delivery to the elderly. Prerequisite: SW 110 with a minimum grade of ‘C’ or consent of instructor. (3)

Study of specific social work topics and issues. (May be repeated for credit on different topics.) On demand. Prerequisite: SW 110 with a minimum grade of ‘C’ or consent of instructor. (3)

Directed individual study of special interest areas in social work. (May be repeated for additional credit). On demand. Prerequisite: Consent of instructor. (1-3)

SW 449. Social Work Integrative Seminar.
Integrates social work theory with practice using small group discussions. Strengthens practice skills during the student's field practicum. Prerequisites: Completion of all required courses for Social Work major; cumulative GPA of 2.5 or cumulative GPA of 2.25 plus 2.75 GPA in foundation social work courses; senior standing; successful completion of WP 003. (3)

SW 450. Social Work Practicum.
Internship in social service agency for one semester. Opportunity to apply entry level social work practice skills. Agency placements individually arranged. Prerequisites: Completion of all required courses for Social Work major; cumulative GPA of 2.5 or cumulative GPA of 2.25 plus 2.75 GPA in foundation social work courses; senior standing; successful completion of WP 003. Credit/no credit only. (6)

Internship in social service agency for one semester. Opportunity to apply entry level social work practice skills. Agency placements individually arranged. Prereq-
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uisites: Completion of all required courses for Social Work major; cumulative GPA of 2.5 or cumulative GPA of 2.25 plus 2.75 GPA in foundation social work courses; senior standing; successful completion of WP 003. Credit/no credit only. (6)

SW 550. Management Supervision.
Provides an indepth scholarly opportunity to analyze contemporary management principles and applications for moving from line worker to supervisor, and from supervision to entry-level management. (2)
See University Studies (UI) listings for description of: UI 447. Globalism and Justice (3)

Sociology (SI, SO)

The major in Sociology requires an elective sequence of courses to be chosen by the student in consultation with a faculty advisor at the end of the sophomore year. In addition to further general study in sociology, the elective sequences include applied sociology, criminology/deviant behavior, family, pre-law and sociology of work and business.

SI 496. Sociology Internship.
Internship with a public or private agency providing first hand experience in the application of sociological skills. Prerequisites: 24 hours in SO courses; SO 345; SO 490. (6)

SO 102. Society, Culture and Social Behavior.
A series of lectures, projects and group discussions analyzing the impact of society and culture on human social behavior. (University Studies course) (3)

SO 120. (SO 220) Cities and Society.
Analysis of urbanization, including city life and problems, land use patterns, and the future of the city. University Studies course (3)

SO 200. Introduction to Social Organizations.
An overview of sociological principles for majors, minors, and others interested in a general understanding of the discipline. (3)

SO 205. Social Problems in America.
Examines the causes and consequences of societal problems such as crime, delinquency, racism, and poverty. (3)

SO 206. Social Problems of Childhood.
Sociological perspective on social problems experienced by infants, young children and adolescents. (3)

SO 225. Sociology of Sport and Leisure.
Sport and leisure as the object of sociological analysis with emphasis on sport in the American society. (3)

SO 240. Interpretation of Data.
A non-mathematical introduction to understanding numerical information as appearing in crime rates, opinion polls, marketing reports, consumer information, and the like. (3)

SO 242. (Cross-listed as AN 242.) Statistics for Social Scientists.
Basic descriptive statistics in social science. Central tendency, dispersion, contingency, correlation, regression. Inferential statistics; parametric and non-parametric. (3)

SO 255. Special Topics in Sociology.
Study of specific topics affecting the complex relationships existing among human groups. (May be repeated for credit on different topics and issues.) (3)

SO 305. American Minority Relations.
Description and analysis of ethnic, racial, and religious group relationships. (3)

SO 325. The World of Work.
Analysis of industrial organizations, work environments and occupational subcultures. (3)

SO 326. Sociology of Educational Institutions.
Examines relationships of educational institutions to the student, the teacher, the educational program and society. (3)

An introduction to gerontology, analyzing the aging process, its problems, and potential solutions. (3)

SO 333. Life, Death and Medicine: An Introduction to Health in America.
An introduction to medical sociology, including the social organization of hospitals, health professions, and community health. (3)

SO 345. (Cross-listed as AN 345.) Methods of Social Research.
Survey research methods. Observational, nonintrusive methods, and experimental design. Formulate problems, select appropriate method, analyze results and present findings. Prerequisites: SO 240 or SO 242. (3)

SO 346. (Cross-listed as AN 346.) Applied Social Research.
Trains students to apply the most common quantitative and qualitative social research methods. Includes planning, managing, and presenting research. Prerequisite: AN/SO 345. (3)

Examines the development and variability of religion, and its influence on society and social institutions. (3)

SO 355. Special Topics in Sociology.
Study of specific topics affecting the complex relationships existing among human groups. (May be repeated for credit on different topics and issues.) On demand. (3)

SO 360. Criminology.
A survey of crime in America, analyzing lawmaking, lawbreaking, and society's attempts to control and eliminate criminal behavior. (3)

Examines causes, types, and rates of delinquency at home, school, community and in society. Evaluates delinquency prevention, control and treatment programs. (3)

SO 370. The Family.
Surveys the family as a structure common to all societies, emphasizing needs, changes, dating and mating, sexuality, child rearing, conflict and enrichment. (3)

SO 375. Collective Behavior.
Examines phenomena such as crowds, publics, fads, fashions, disasters, and social movements. Prerequisite: SO 101 or SO 102 or consent of instructor. (3)

SO 385. Family Violence.
A sociological analysis of violent behavior among significant others; looks at causes and consequences, prevention and treatment strategies. (3)

SO 386. Singles and Their Social World.
A sociological analysis of unmarried adults in social context: the nevermarried, the separated, divorced, and widowed. (3)

Directed individual study of special interest areas in sociology. (1-3)

SO 430. Demography.
Past and present population theories, significance of various population characteristics, implications and resultant problems of worldwide population growth. (3)

SO 444. Deviant Social Behavior.
An examination of abnormal behavior as a product of the structure and process of one's social environment. Spring Semester only. (3)

Trains students in the most common methods used in research evaluation of social programs and policies. (5)

SO 455. Group Behavior.
Groups effects on individual behavior, leader effects, group effects on productivity, morale. Quality circles, conference management and task group leadership. (3)

A study of major contemporary sociologists and their contributions. Prerequisites: SO 200; SO 240 or SO 242. (3)

SO 495. (Cross-listed as AN 495.) Senior Seminar.
Students will research and analyze an issue of sociological concern, with emphasis on bringing together theory and method in sociology. (3)

SO 570. Sociology of the Child.
Child behavior, development of a self in the human infant through the beginning of the adolescent years. Prerequisite: SO 102 or SO 200. (3)
See University Studies (UI) listings for description of:
UI 338. Rural Sociology. (3)
UI 339. Indians of North America. (3)

Spanish (SN)

SN 001. Spanish Exit Exam.
All majors are required to enroll in this non-credit-bearing exam during their senior year. At the time of the exam, students must present their portfolio containing documents they have been accumulating in their major throughout their undergraduate career. The course number SN 001 will appear on the Degree Audit. Prerequisite: Students must have completed all coursework in Spanish or be in their last year of completing the coursework. (0)

SN 100. Spanish Language and Culture I.
Acquisition of an appreciation of the culture of Spanish-speaking peoples and study of speaking, understanding, reading, and writing Spanish. (University Studies course) (3)

SN 120. Spanish Language and Culture II.
Continued study of Spanish speaking peoples through the practice of speaking, understanding, reading, and writing Spanish. Prerequisite: SN 100 or equivalent. (University Studies course) (3)

SN 200. Spanish Language and Culture III.
Continued study of Spanish language and culture. Cultural, conversational, and structural activities leading to increased proficiency and cross-cultural awareness. Prerequisite: SN 120 or equivalent. (University Studies course) (3)

SN 220. Hispanic Literature.
Designed to develop the ability to read Hispanic literary texts; to acquaint students with a selection of major Hispanic authors; to introduce the basic concepts of literary analysis; and to increase the ability to speak and understand Spanish through class discussions in Spanish. Prerequisite: SN 200. (University Studies course) (3)

SN 300. Spanish American Culture.
Introduction to Spanish American Culture, from pre-Columbian culture to the present century. Prerequisite: SN 220. (3)

SN 301. Intermediate Spanish Composition.
Practice of the written language through the study of style and composition. Prerequisite: SN 220. (3)

SN 302. Experiencing Spanish Language and Culture.
Sharing a residence hall (one semester) with an international, native Spanish-speaking student. Prerequisites: Limited to non-native, Spanish-speaking students concurrently enrolled in a Spanish class (200-level or above) living with native Spanish-speaking roommate in designated residence hall; cum. GPA 2.0 or better. (1)

SN 305. Conversational Spanish.
Practice in the spoken language through class discussions and prepared talks. Prerequisite: SN 220. (3)

SN 306. Civilization of Spain.
Survey of historical and literary background of Spanish civilization and culture. Prerequisite: SN 220. (3)

SN 316. Commercial Spanish.
A business and professional course for the practical application of Spanish. Prerequisite: SN 220. (3)

SN 330. Spanish Grammar.
Review of the elements of Spanish grammar and study of the essential structures of the language. Prerequisite: SN 220. (3)

SN 335. Critical Readings in Hispanic Literature.
A critical study of the four major literary genres (narrative, poetry, drama, and essay) written in the Spanish language. Prerequisite: SN 220. (3)

SN 400. Special Topics: Spanish.
Designed to cover a variety of knowledge and skills, using a range of topics pertaining to the Spanish-speaking world. Taught in Spanish. May be repeated once for credit. Prerequisite: SN 220. (3)

SN 402. Independent Study in Spanish.
Advanced-level study of language, culture, or literature for Spanish majors. May be repeated once for credit. Prerequisites: SN 220; consent of department. (3)

SN 403. Survey of Spanish Literature I.
From the Middle Ages to the 18th century. Prerequisites: SN 220. (3)

SN 404. Survey of Spanish Literature II.
From the 18th century to the present. Prerequisites: SN 220. (3)

Special emphasis on Don Quixote. Prerequisites: SN 220. (3)

SN 425. Contemporary Spanish Literature.
Study of lives and works of modern Spanish authors. Prerequisites: SN 220. (3)

SN 430. Spanish American Literature I.
Representative authors from the pre-Colombian period to the early 19th century. Prerequisites: SN 220. (3)

SN 435. Spanish American Literature II.
Representative authors and literary movements from 1888 to present. Prerequisites: SN 220. (3)

SN 495. Foreign Language Internship in Spanish.
Work experience using Spanish in a professional setting in a business or agency. Prerequisite: declared Spanish major; Junior standing, with completion of a minimum of 24 credit hours in Spanish; minimum 2.5 GPA and 3.0 in Spanish; a level of proficiency in Spanish appropriate to the professional setting as evaluated by the departmental assessment procedures; approval of the Department of Foreign Languages. (3)
needs. Prerequisite: Two courses of advanced sequence. (3)

SN 541. Spanish Writing Skills.
Course designed for upper level students who need a strong background in Spanish written expression. Prerequisite: Two courses of advanced sequence. (3)

Sport Management (SM)

SM 360. Sport Governance and Event Management.
Prepares the prospective sport manager in the governance of sport organizations and the management of sport related events. Prerequisite: PE 238 or consent of instructor. (3)

SM 370. Sport Management Practicum.
Varied structure and setting, primarily off-campus observing and providing assistance to a profession of student's interest. One hour seminar and 4 hours of field work per week. Credit/no credit course. Prerequisites: Sport Management student; 15 hours approved coursework; cumulative GPA of 2.3; consent of instructor. (3)

SM 455. Sport-Related Venue Design and Operation.
Prepares the prospective sport manager in the design and management of sport related facilities. Prerequisite: SM 460 or consent of instructor. (3)

SM 465. Sport Management Senior Seminar.
This course serves as a component of the capstone experience for sport management majors. Prerequisite: consent of instructor. (1)

SM 470. Sport Management Internship.
Internship with approved professionals in selected sport management setting. Culminating practical experience for sport management students. Prerequisites: Sport Management student with 75% of all coursework completed; cumulative GPA of 2.4; consent of instructor. (12)

SM 540. Legal Aspects of Sport and Physical Activity.
This course is designed to introduce the student to the various legal principles applicable to the sport industry. (3)

This course will provide students with the opportunity to understand and apply contemporary management concepts to the operations of sport organizations. (3)

Technical Graphics (TG)

TG 100. Introduction to Drafting.
Basic elements of drafting for students who have not taken drafting before or for students who need to sharpen their abilities. Topics include: instruments, orthographic projection, sketching, dimensioning, sections, scales and measurement, missing line problems, and geometric construction. This course is recommended for Interior Design majors. (3)

Use of conventional and computer-aided drafting techniques, electronic hardware and systems to solve problems in Engineering Graphics. Orthographic projection, sketching, lettering, dimensioning, section views, geometric constructions and auxiliary views will be covered. (3)

TG 125. Print Reading for Industry.
Industrial drawings, pictorial sketching, symbols, geometric dimensioning, tolerancing, surface finishes, threads, fasteners, gears, sectional views, tooling and cams. Prerequisite: TG 100 or TG 120 or consent of instructor. (3)

TG 126. Computer Assisted Drafting.
Use of computer aided design software, hardware and systems to solve problems in graphics. Using AutoCAD to do: simple architectural drawing, basic floor plans, pictorials, dimensioning, elevations, and symbols will be covered. Prerequisite: TG 100 or consent of instructor. (3)

TG 170. Introduction to Graphics.
Familiarize the student of technical graphics with offset duplication, finishing processes, photography, drafting, screen printing, digital page layout and composition, electronic communication, and digital duplication. (3)

TG 220. Solid Modeling and Rapid Prototype.
Use of advanced computer aided design and drafting software, hardware, and systems to produce three dimensional drawings, renderings and actual physical prototypes of parts and assemblies. Prerequisites: TG 120 or TG 126. (3)

The use of electronic equipment and software for the preparation of copy, including design, editing, and typesetting. Prerequisite: TG 170 or consent of instructor. (3)

TG 274. Photography Fundamentals.
Deals with the art of producing aesthetically pleasing photographs while practicing the requisite technical skills. (3)

TG 320. Architectural Drawing I.
Detailed working drawings of residential buildings including: site, foundation, floor, elevations, sections. Study of graphics conventions, architectural lettering, tracing, blue-line printing, and an introduction to computer use in architecture. Prerequisite: TG 100 or consent of instructor. (3)

TG 322. Architectural Drawing II.
Continuation of detailed sets of working drawings of a residential building including electrical, plumbing, heating, solar design and presentation problems. Prerequisite: TG 320. (3)

TG 324. Design Modeling and Processes.
A study of how parts are produced. Basic industrial processes and materials are studied and used to produce mechanical models and projects. Prerequisites: TG 220. (3)

TG 326. Industrial Production Drafting.
Using CAD to solve advanced drafting problems. Modern computer drafting applications, i.e., CAD/Database applications. Isometric drawings, dimensioning and 3-D solid modeling applications. Prerequisite: TG 220. (3)

TG 374. Digital Imaging & Editing.
This course focuses primarily on the acquisition and editing of digital images. The digital still camera and its operations are stressed along with computer image editing software. Prerequisite: TG 170. (3)

TG 376. Multi Media & Animation.
This course is designed as an introduction to multimedia software and hardware. Topics to be covered are the integration of text, technical graphics, sound, and animation. Prerequisite: TG 374 or consent of instructor. (3)

TG 422. Multicolor Print Processes.
This course focuses primarily on the advanced printing process of producing multicolor products. These processes are practiced with screen printing and off-set printing techniques. Pad printing processes are also included. Prerequisite: TG 170. (3)

Use of various graphics methods to solve advanced design problems set by the faculty. Self directed problem solving, reading, and creative techniques will be stressed. Prerequisites: TG 120, TG 170, TG 272, TG 374, TG 376 & TG 422; OR TG 120, TG 220, TG 324 and TG 326; OR consent of instructor. (3)

Tesol (TL)

TL 105. English Language Skills for International Students.
Instruction and practice in improving listening skills in English. Placement based on score on the University ESL placement tests. (3)

TL 110. Basic Composition for International Students.
Development of basic writing skills necessary for success in EN 100 and EN 140. Combines classroom work in small groups with lab work in individual tutorials which meet for 30 minutes per week. Placement based on score on the University ESL placement tests. (3)

TL 111. Speaking Skills for International Students.
Designed to teach basic classroom communication strategies to the non-native speaker of English. An individualized accent reduction lab accompanies this course. Placement based on score on the University ESL placement tests. (3)

TL 112. Academic Reading for the Non-Native Speaker.
Integrates language and content for academic settings. Reading strategies, problem solving and critical thinking skills, language and content are emphasized. Placement based on score on the University ESL placement tests. (3)

TL 425. Materials and Assessment for English as a Second Language Classroom.
Materials development and adaptation for the ESL/EFL classroom; development of a variety of assessment measures. Prerequisite: TL 585. (3)

TL 525. English as a Second/Foreign Language: Learning and Teaching.
Basic theories and methods of teaching ESL/EFL. Includes work with ESL students and description of per-
sonal theory and method of ESL teaching. Prerequisites: EN 140; any 200-level literature course. (3)

TL 530. Practicum for Teaching English To Speakers of Other Languages.
Provides students with practical classroom experience in teaching English to Speakers of Other Languages (ESOL). Pre or corequisites: TL 525; TL 585. (3)

TL 585. Methods and Techniques for Teaching ESOL.
Introduces student to techniques for teaching ESOL. Includes work with ESOL students, class observations, and workshop experience. Prerequisites: EN 140; any 200-level literature course; TL 525; or consent of instructor. (3)

**Theatre (TH)**

TH 100. Theatre Appreciation.
Promotes an appreciation for and an understanding of theatre in contemporary society. Emphasizes the script, artist, audience interaction. (University Studies course) (3)

Acting as a form of self-expression emphasizes personal awareness, relaxation, concentration, coordination and integration, vocal skills, and scene study. (University Studies course) (3)

TH 105. (Cross-listed as DA 105) Rehearsal and Production I.
Training and practical hands-on experience in performance, crew work, and all aspects of technical production through active participation in the mounting of departmental productions. May be repeated for credit. (.5)

TH 115. Acting I.
The first of a three-year Stanislavski based acting sequence – including theory, exercises, and scene study – for students who are considering acting as a profession. Prerequisite: Theatre and Dance major or minor; or consent of instructor. (3)

TH 120. Acting II.
A continuation of the theories and practices developed in TH 120, culminating in a public showcase at the end of the semester. Prerequisite: TH 115; or consent of instructor. (3)

TH 140. (TH 240) (Cross-listed as SC 240.) Oral Interpretation of Literature.
Theory and practice of the oral performance of literature. (University Studies Course) (3)

TH 155. Makeup.
A study of designing and applying makeup for the stage/television/film, including exploration into theory, character analysis, materials, and techniques. Lecture and lab sessions plus production work required. (2)

TH 215. (TH 246) Voice and Diction.
A basic study of vocal mechanics, common vocal problems, and methods of voice improvement for public performance. Prerequisites: TH 115; TH 120; or consent of instructor. (3)

TH 220. Stage Combat I.
Emphasis on safety, methods of staging, falling and rolling, unarmed stage fighting, and basic swordplay. (3)

Creation and performance of aesthetic texts that range from storytelling to performance art. Prerequisites: TH 115; TH 140; or consent of instructor. (3)

TH 231. (TH 210) Stagecraft I.
The technical aspects of scenery construction (carpentry, painting, properties, sound, theatre organization, etc.) and lighting, which contribute to a unified approach in producing a play. Lab and production work required. (3)

TH 251. (TH 255) Costume Construction.
A study in basic theatre and dance costume construction, including an examination of shop organization, wardrobe maintenance, fabrics, tools, patterns and sewing techniques. Lecture and lab sessions plus production work required. (3)

TH 265. Drawing for the Theatre.
The understanding of technical drawing for the theatre. Computer aided and non-computer aided drafting, drawing conventions, tools, symbols, styles, as well as applications. Introduction and manipulation of the basic elements of design (line, shape, color, form, etc.). Prerequisites: TH100; TH 231; or consent of instructor. (3)

Investigation and application of contemporary, formal approaches to the criticism and analysis of dramatic literature. Prerequisite: TH 100. (3)

TH 305. Rehearsal and Production II.
Advanced laboratory course exploring various areas of performance, crew work, and all aspects of technical production through active participation in the mounting of departmental productions. May be repeated for credit. Prerequisites: Two credit hours of TH 105 and/or DA 105; or consent of instructor. (5)

TH 310. Solo Performance.
The process of creating and staging the one person show. Prerequisites: TH 115; TH 120; TH 230; or consent of instructor. (3)

TH 315. (TH 352) Stage Movement.
Systematic exploration of personal awareness through movement exercises and experiences integrated with the practice of physical approaches to the creation of dramatic characters. Prerequisites: TH 115; TH 120; or consent of instructor. (3)

TH 320. Stage Combat II.
Continuation of Stage Combat emphasizing advanced stage swordplay practice. Prerequisite: TH 220. (3)

TH 325. Auditioning.
Investigates audition, cold-reading, and interview techniques, examines marketing strategies, and explores various solo exercises. Prerequisites: TH 115; TH 120; or consent of instructor. (3)

TH 330. Acting III.
An advanced Stanislavski and RSC-based exercise/scene study course designed to give actors assistance in handling period texts, particularly those written by William Shakespeare. Prerequisites: TH 115; TH 120; or consent of instructor. (3)

TH 331. Stagecraft II.
Advanced topics in stage technology, including: advanced rigging techniques, production planning, electronic controls, pneumatics, hydraulics, structural design for the stage, welding, and other state-of-the-art technologies. Lab required. Prerequisites: TH 231; TH 265; or consent of instructor. (3)

TH 350. Stage Lighting I.
Principles of stage lighting, use of equipment, fundamentals of electricity, and design of lighting for the stage. Prerequisite: TH 231; or consent of instructor. (3)

TH 351. (TH 405) Costume Design I.
Study in problem-solving and design-thinking for costume designers, organized around a study of period fashions. Prerequisites: TH 251; TH 265; or consent of instructor. (3)

TH 361. (TH 392) Scene Painting.
A study of theatrical painting techniques. Lab and production work required. Prerequisite: TH 231; or consent of instructor. (3)

TH 371. (TH 360) Scene Design I.
A study and application of design principles geared to the creation of stage environments for play production. Prerequisites: TH 231; TH 265; or consent of instructor. (3)

Study of managerial duties, supervisory responsibilities, and organizational skills necessary in publicity, front of house/box office, and backstage management as it pertains to theatrical and dance production. Prerequisites: TH 100; TH 265; or consent of instructor. (3)

TH 385. (TH 410) Directing I.
A fundamental course designed to enhance the student’s understanding of the practical as well as the artistic skills of directing the theatre. Prerequisites: TH 100; TH 115; TH 231. (3)

TH 390. (Cross-listed as DA 390) Topics in Theatre and Dance.
Consideration in depth of subject matter ordinarily unavailable in the departmental curriculum. On demand. (3)

TH 395. Period and Style.
A survey of historical periods and artistic styles influence on costume and architecture with an emphasis placed on the relevance for theatre and dance designers and directors/choreographers. (3)

TH 400. Senior Recital. (Cross-listed as DA 400 and MU 400)
A public recital demonstrating ability to perform a variety of musical theatre genres. Required of all BS Performing Arts degree students. Prerequisites: senior status; or consent of performing arts faculty member. (2)

TH 450. Stage Lighting II.
Advanced topics in stage lighting design and technology, including: computer controlled lighting, moving lightings, DMX 512, design software. Lab required. Prerequisites: TH 265; TH 350; or consent of instructor. (3)

TH 451. Costume Design II.
Advanced study in rendering style and problem solving for costume designers, including survey of costume design opportunities in theatre, dance, film and other venues. Prerequisite: TH 351; or consent of instructor. (3)
TH 461-463. (Cross-listed as DA 461-463) Independent Study.
Individual study in theatre. (1-3)

TH 471. Scenic Design II.
Advanced study and application of design principles geared toward the creation of stage environments for Shakespearean productions, multiset plays, musical theatre and dance. Prerequisites: TH 231; TH 265; TH 371; or consent of instructor. (3)

Exploration into the theory and practice of scripting and staging non-traditional theatre texts. Prerequisites: DA 185; TH 140; TH 385. (3)

TH 485. Directing II.
A continuation of the theories and practices developed in TH 385 along with an introduction to various styles and alternative directing techniques. (3)

TH 490. (TH 550). Theatre History I.
Development of drama and theatre from ancient Greece to the English Restoration. Prerequisite: TH 290; or consent of instructor. (3)

TH 495. (TH 551). Theatre History II.
Development of drama and theatre from the English Restoration to the contemporary era. Prerequisite: TH 290; or consent of instructor. (3)

TH 498. (Cross-listed as DA 498) BFA Project.
The preparation, presentation, and assessment of a major artistic project. (2)

TH 499. (TH 425). (Cross-listed as DA 499) Internship.
Practical involvement in a performing arts company/venue. Course will be graded on a credit/no credit basis. (4)

TH 540. Creative Dramatics for Children.
Exploration of techniques of creative dramatics as they can be used by classroom teachers. Prerequisite: LI 543. (3)

See University Studies (UI) listings for description of:
UI 384. Musical Theatre-Origins to the Present (3)

An academic skills-centered seminar which introduces students to the University Studies Program and the value of liberal education while addressing one of a variety of themes. See First Year Experience website for themes (http://ustudies.semo.edu/UI100/). Required of all students entering the University with fewer than 24 degree credit hours. (3)

UI 300. Drugs and Behavior.
An interdisciplinary coverage of psychoactive drugs from the perspectives of psychopharmacology, history, and criminal justice. Prerequisites: Behavioral Systems; Social Systems; and Development of a Major Civilization. (University Studies course) (3)

UI 301. Managerial Communication Processes.
An examination and application of theories and skills necessary for effective managerial communication in organizations. Prerequisites: SC 105 (Oral Expression); or consent of instructor. (University Studies course) (3)

Study of regional patterns that make up the fabric of American culture. Emphasis on historical and social factors in migrations. Prerequisites: Development of a Major Civilization and Social Systems. (University Studies course) (3)

UI 303. The Female Experience.
A seminar studying the past and present experiences of women in diverse cultures to enhance the human experience. Prerequisites: Oral Expression; Written Expression. (University Studies course) (3)

UI 304. The History and Culture of West Africa.
A study of West African history and culture from ancient times to the present. Prerequisite: Development of A Major Civilization. (University Studies course) (3)

UI 305. Judicial Reasoning.
A normative and descriptive examination of the role of courts in contemporary American society via the principles of judicial reasoning. Prerequisites: Junior standing; Logical Systems; Political Systems; Economic Systems. (University Studies course) (3)

UI 306. The Film as History and Literature.
Film as both historical and literary document from its origins to the present time in feature films, television and documentaries. Prerequisites: Written Expression; Literary Expression. (University Studies course) (3)

UI 307. Economic Geography.
Examination of economic development from a geographic perspective for three spatial levels: international, national, and metropolitan. Prerequisites: Economic and Social Systems. (University Studies course) (3)

A geographical analysis of world landscapes utilizing physical, cultural, and economical concepts to illustrate complex interrelationships existing between various regions. One 2 hour lecture; one 3 hour activity lab. Prerequisites: Physical, Social, Economic Systems. (University Studies course) (3)

An interdisciplinary study of the causes and effects of crime and delinquency. (University Studies course) (3)

Musical experience of America in folk, ethnic, jazz, and pop music, in the fine arts tradition. Prerequisite: Ability to read music or MM 101. (University Studies course) (3)

Analysis of representative masterworks of the French Novel; historical development of the genre; conducted in French. Prerequisites: FR 200 (Oral Expression); FR 220 (Literary Expression); Written Expression. (University Studies course) (3)

UI 312. Perspectives on the Present.
Contemporary issues will be analyzed and placed into historical perspectives. Emphasis on use of the historical method for analysis. Prerequisites: Junior standing; Development of Major Civilization, Social Systems, Behavioral Systems, Written Expression and Oral Expression; or consent of instructor. (University Studies course) (3)

UI 313. African American Literature and History.
A study of the historical and literary culture of African-Americans from African backgrounds to the present. Prerequisites: Written Expression; Development of A Major Civilization; Literary Expression. (University Studies course) (3)

Theoretical and ‘hands on’ experience with musical applications of electronics and computers. (University Studies course) (3)

UI 316. Contemporary Legal Studies.
An examination of current legal issues and the role of the American legal system in the resolution of those issues. Prerequisite: Junior standing. (University Studies course) (3)

UI 317. Human Sexuality.
Study of human sexuality, emphasizing biological, psychological, and sociological aspects. Sexuality issues dealing with critical thinking and valuing will be emphasized. Prerequisites: Living Systems; Behavioral Systems; Social systems. (University Studies course) (3)

A process-oriented investigation of the interrelationships among the earth sciences and their interaction with living systems. One 2 hour lecture; one 2 hour lab. Prerequisite: BS 218. (University Studies course) (3)

UI 319. Technology and Society.
The impact of technology on individuals and society through critical analyses of selected modern topics using communication and critical thinking skills. Prerequisites: Economic, Social Systems; Physical Systems; Political Systems. (University Studies course) (3)

UI 320. The Modern Presidency.
Examination of the modern American presidency from the combined perspectives of history, political science, and speech communication. Prerequisites: GH 105 (Development of a Major Civilization); SC 105 (Oral Expression); Political Systems. (University Studies course) (3)

UI 322. International Political Economy.
Exploration of the interaction of political and economic forces as it affects international flows of goods, money, investments and technology. Prerequisites: Economic Systems; Political Systems. (University Studies course) (3)

UI 326. Australian Culture.
An introduction to the culture of Australia, with emphasis on the forces that have shaped their culture. Prerequisites: Artistic Expression; Literary Expression; Written Expression; Development of a Major Civilization; Social Systems. (University Studies course) (3)

UI 330. Experimental Methods in Physics and Engineering
I. Selected experiments in physics and engineering with emphasis on measurement system design, equipment selection, acquisition and evaluation of data, and report writing. One lecture and two two-hour labs. Prerequisites: Logical Systems (MA 134 or higher); PH121/021 or PH231/031. (University Studies course) (3)

UI 331. Biochemistry I.
Structure and function of amino acids, proteins, lipids, and carbohydrates. Generation and utilization of energy in living organisms. Prerequisites: Living Systems; CH 343. (University Studies course) (3)

UI 332. Images of Women in Literature.
Studies the portrayal of women in literary works by male and female authors; focuses on feminist criticism and female stereotypes. Prerequisites: EN 140 and 200-level Literature course. (University Studies course) (3)

This course is a historical study of the social, political, and philosophical roles of religion in America. Prerequisites: Completion of the University Studies core curriculum or consent of instructor. (University Studies course) (3)

Analysis of the interrelational development of issues between twentieth century architecture and European/ American civilization. (University Studies course) (3)

UI 338. Rural Sociology.
A study of rural society including social, cultural, and political factors which influence rural life. Prerequisites: Social Systems; Political Systems. (University Studies course) (3)

A survey of Native American Indian cultures from the time of contact until the present which examines both traditional lifestyles and modern issues. (University Studies course) (3)

UI 340. Housing Perspectives.
Study of the relationship between humans and the built environment including social, psychological, economic and physical factors. Prerequisites: Behavioral Systems; Social Systems; Economic Systems; Political Systems. (University Studies course) (3)

Examination of literary, political, and scientific achievements in 19th century England. Prerequisites: Literary Expression; Development of a Major Civilization. (University Studies course) (3)

UI 342. Modern Political Thought.
A critical historical analysis and philosophical examination of the normative concepts and ethical problems of modern political thought. Prerequisites: Behavioral Systems; Political Systems; Social Systems. (University Studies course) (3)

UI 343. Transcultural Experience.
A study of the influence of cultural diversity upon the professions and major fields, which culminates in a supervised on-site expedition to the culture/country. Prerequisites: Junior standing, (3)

UI 344. Plants and Humanity.
The psychological, physiological, and social responses of people to plants in their environment and the effects plants have on human health. Prerequisites: Artistic Expression; Behavioral Systems; Living Systems; Social Systems. (University Studies course) (3)

UI 345. Nonverbal Communication.
Study of nonverbal communication. Areas of study include body language, vocal cues, touching behavior, environmental factors, eye behavior, physical appearance. Prerequisites: Junior standing; Artistic Expression; Oral Expression; Behavioral Systems; Social Systems. (University Studies course) (3)

UI 347. Living in a Global Society.
A study of the interrelatedness of issues confronting the world and find action-oriented approaches to resolving them. Prerequisites: Social Systems; Behavioral Systems. (University Studies course) (3)

How market, mixed, planned, and developing economic systems are organized and function to obtain major economic, political, and social goals. Prerequisites: Either EC 101 or EC 215; either PS 103 or PS 104. (University Studies course) (3)

UI 350. Middle East Politics.
A survey of social, economic, and international forces that influence politics of middle eastern societies with particular emphasis on Egypt, Israel, Syria, and Turkey. Prerequisites: Either PS 103 or PS 104; either Economic Systems or Social Systems. (University Studies course) (3)

UI 351. Public Opinion Management.
Exploration of the strategies and tactics that are used in public opinion management. Prerequisites: Behavioral Systems; Social Systems. (University Studies course) (3)

UI 352. Medical Ethics.
A study of the ethical questions that arise in the practice of modern medicine. Prerequisite: Junior standing or consent of instructor. (University Studies course) (3)

UI 354. Lifestyle Enhancement.
An interdisciplinary study of the psychology or health and lifestyle management. Prerequisites: Behavioral Systems; Social Systems. (University Studies course) (3)

Interdisciplinary study of consumer interaction with the market and the economic, social political and psychological factors affecting consumers' decisions. Prerequisites: Economic, Political, Behavioral and Social Systems. (University Studies course) (3)

UI 357. Early American Political Thought.
A critical historical analysis and philosophical examination of the origins and development of early American political thought articulated in the classic works of significant American political theorists. (University Studies course) (3)

UI 358. Foundations of Political Thought.
A critical examination and study of ancient and medieval political thought articulated in the original classic words of significant philosophers. Prerequisites: Behavioral Systems; Political Systems; Social Systems. (University Studies course) (3)

Examines consumption behavior with emphasis on the psychological, sociological, cultural, economic, and environmental influences. Reviews importance of products to consumers. (University Studies course) (3)

UI 360. Recycling and Waste Management.
Exploration of personal, institutional, and societal strategies for dealing with solid and toxic wastes. Prerequisites: Junior standing; Living Systems; Physical Systems. (University Studies course) (3)

UI 361. Contemporary Political Theory.
A critical historical analysis and philosophical examination of contemporary political thought and the origins and development of major political ideologies of the late 19th and 20th century. (University Studies course) (3)

UI 362. Contemporary French Culture.
A study of French society since 1945, including attitudes, achievements, institutions, and life styles of the French people. In English. Prerequisites: Development of a Major Civilization; Social Systems. (University Studies course) (3)

UI 366. Law and Economics.
An analysis of the application of economic principles to all aspects of law; including contract law, torts and criminal law. (University Studies course) (3)

UI 368. Mind, Meaning, and Value.
Exploration of the nature of mind, consciousness, and personal identity through readings in philosophy, literature, and the behavioral sciences. Prerequisites: Junior standing; completion of University Studies core curriculum. (University Studies course) (3)

UI 369. Vice and Virtue.
An exploration of the nature and components of moral character, their patterns of development, and relation to ethical ideals. (University Studies course) (3)

UI 370. Media Ethics.
A study of the ethical questions that arise in modern mass media with emphasis on journalism, advertising and entertainment. Prerequisite: Junior standing or consent of the instructor. (University Studies course) (3)

Government regulation of business in the United States with emphasis on differing economic and political perspectives concerning such regulation. (University Studies course) (3)

UI 372. Earthquakes and Society.
Study of earthquakes, their causes, occurrence, physical properties, scientific use, and their effects on human society. (University Studies course) (3)

UI 373. Earth/Life Thru Time.
Reading and evaluating the geologic record of biologic and geologic events with chronicles of life and earth interaction through time. (University Studies course) (3)

UI 375. European Film.
Study of major European films and film makers in the context of French, German, and Spanish cultures. (University Studies course) (3)

How the universe as we know it compares with the universe of Star Trek and other popular science fiction. Prerequisites: Written Expression (EN 140 or PL 115), Oral Expression, Physical Systems (one of the following: PH 106, PH 109 or higher, CH 180, CH 181, CH 185 or higher), and Logical Systems (MA 134 or higher). (University Studies course) (3)

UI 382. History and Philosophy of the American Mass Media.
An historical investigation of American mass media and the philosophies and concepts underlying their development from colonial to present times. Prerequisites: MC 101 with a grade of ‘C’ or better; University Studies core. (3)
The musical theatre genre is traced via close examination of its origins, evolution, and maturation as a living, contemporary art form. (University Studies course) (3)

UI 387. Environmental Law and Public Policy.
Introduction to formulation and provisions of environmental regulations and policies with an emphasis on major federal legislative acts. (University Studies course) (3)

UI 390. The Film Musical.
A study of the integrated components of dance, music and theatre in film musicals, placed within their American socio-historical contexts. (University Studies course) (3)

UI 392. Age of Romanticism.
This course will examine the Romantic movement through study of eight masterpieces of Romantic music in the context of their times. Prerequisites: MH 251 and MH 252; or MU 181 or MU 182 by permission of instructor(s); or by permission of instructor(s). (University Studies course) (3)

UI 393. Age of Modernism.
This course will examine Modernism in music and culture through an in-depth study of 13 masterpieces of music in the context of their times. Prerequisites: MM 203 and MM 207; or MU 181 or MU 182 by permission of instructor(s); or by permission of instructor(s). (University Studies course) (3)

UI 394. Music and Culture.
This course will investigate the development of music between 1600-1750 and its place in the culture of Western Europe and the New World. Prerequisites: MH 251 and MH 252 or MU 181 and MU 182 or by permission of instructor. (University Studies course) (3)

UI 396. The Age of Beethoven.
This course will examine Beethoven's music and the cultural context in which it developed. Prerequisites: MM 203 and MM 207; MU 181 or MU 182 by permission of instructor; or permission of instructor. (University Studies course) (3)

UI 397. Music in Medieval and Renaissance Culture.
This course will investigate the development of music between 900-1600 and its place in the culture of Western Europe. Prerequisites: MH 251 and MH 252 or MU 181 and MU 182 or by permission of instructor. (University Studies course) (3)

UI 400. Business and Ethics.
A study of the ethical questions that arise in the context of doing business in modern society. Prerequisites: Senior standing; completion of University Studies core curriculum. (University Studies course) (3)

Study of American regional landscapes including house types, barns, and other folk structures. Prerequisites: Artistic Expression; Development of a Major Civilization; Social Systems. (University Studies course) (3)

UI 402. Music in World Cultures.
A study and comparison of the music, instruments, style, and the music making process of diverse world cultures. Prerequisites: MM 101 or equivalent note reading ability; Development of a Major Civilization. (University Studies course) (3)

UI 403. Aesthetics and Human Values.
The nature of aesthetic experience and its relation to fundamental values in religion, morality, history, literature, science, economics, and politics. Prerequisites: Junior standing; completion of University Studies core curriculum. (University Studies course) (3)

UI 406. Transforming the Female Experience.
Examination of multidimensional issues involved in current actions and potential strategies for transforming the human experience of women. Prerequisites: Oral Expression; Written Expression; UI 303; or consent of instructor. (University Studies course) (3)

UI 407. Rational Endeavor.
A study of rationality and its role as a framework for evaluating beliefs, actions and decisions in general. Prerequisites: Completion of University Studies core curriculum. (University Studies course) (3)

The study of national and international trends in manufacturing and production through the application of research and development techniques. Prerequisite: Completion of the University Studies core curriculum. (University Studies course) (3)

A study of current concerns of the health and well-being of populations. Consumer concerns, bioethical issues, and health professional functions are addressed. Prereq-
An examination of the conflict of ideas in the literature and the economic, social and political systems of American Civilization. Prerequisite: Junior standing. (University Studies) (3)

UI 415. Science and Religion.
An integration of scientific and religious knowledge through reading and discussion related to epistemology, origins, process, and ethics. Prerequisites: Completion of University Studies core curriculum or consent of instructor. (University Studies course) (3)

UI 416. Planetary Exploration: From Galileo to the Present and Beyond.
Examination of major developments contributing to our understanding of the solar system and their impact on the future of mankind. Prerequisite: Completion of University Studies core curriculum. (University Studies course) (3)

UI 417. Images of Britain.
Evolution of the cultural and aesthetic landscapes of the English people from the Celts to the Industrial Revolution. Topics include: British architecture and literature. Prerequisites: Completion of University Studies core curriculum. (University Studies course) (3)

UI 418. The European Mind.
An examination of the origin and development of modern European thought and culture. (University Studies Course) (3)

UI 422. Scientific Reasoning.
Critical study of the reasoning used in the discovery and justification of scientific theories. Prerequisite: Completion of University Studies core curriculum. (University Studies course) (3)

UI 423. Political Communication.
An introduction to communication principles and practices central to election campaigns through the study of political campaigns as communication phenomena. Prerequisite: 3 hours in Speech Communication. University Studies course) (3)

UI 425. Persuasion.
Principles, techniques, and theories used to influence the behavior of others through oral communication, with special emphasis on the analytical tools necessary to evaluate persuasive appeals more responsibly. Prerequisites: Junior standing; completion of University Studies core curriculum. (University Studies course) (3)

UI 427. Service and Community.
This course provides theoretical investigation of and the opportunity for community service through volunteerism. Includes a one-hour integrated lab. (University Studies course) (3)

UI 429. Environmental Ethics.
Comprehensive study of the ethical, social, scientific, and cultural problems associated with the use and abuse of natural resources. Prerequisites: Completion of University Studies courses in Logical Systems, and either Physical or Living Systems categories. (3)

UI 430. Aging Successfully.
A study of the interaction of historical, economic, and political influences upon the biological and psychological nature of individuals aging into the twenty-first century. (University Studies course) (3)

UI 431. Shakespeare’s Tragedies and the Human Condition.
An interdisciplinary study of seven or more plays by Shakespeare as they relate to contemporary issues and events. (University Studies course) (3)

UI 432. Shakespeare’s History Plays and Comedies and the Human Condition.
An interdisciplinary study of seven or more plays by Shakespeare as they relate to contemporary issues and events. (University Studies course) (3)

A critical investigation into the aesthetic difference, function, significance, and value of the movement disciplines of dance and sport. Prerequisite: 45 credit hours. (University Studies course) (3)

UI 435. Literature of Sport.
The literary and sociological study of the role, both positive and negative, sport plays in American society. (University Studies course) (3)

UI 436. Agricultural Ethics.
A study of agricultural issues and public policy using knowledge and methods from agriculture and social ethics. (University studies course) (3)

An emphasis on mathematical ideas as a growing, changing human endeavor, influencing the history of societies including today's technological culture. Prerequisites: Development of a Major Civilization; MA 139 or MA 140. (University Studies course) (3)

UI 440. The Holocaust.
A critical analysis and examination of some of the fundamental political philosophical questions, normative concepts and ethical problems of the Holocaust. (University Studies course) (3)

UI 443. Professional Experience in Chemistry.
Individualized study of and experience with the effective and appropriate design, execution, and reporting of chemical investigations. Two lecture hours and 2 lab hours. Spring only. Prerequisites: Completion of University Studies core to include CH 180 or CH 181. (University Studies course) (3)

UI 444. Americans and Their Institutions.
Study of the interdependence between basic psychological processes and the opinions of Americans toward their public institutions. Prerequisites: Natural Systems and Human Institutions. (University Studies course) (3)

UI 447. Globalism and Justice.
Study of the global economy from a social justice orientation emphasizing the exploitation and disempowered status of the world's poor. Prerequisite: Completion of University Studies core curriculum. (University Studies course) (3)

Study of the American Revolution from 1765 to 1788 from the perspectives of the ethnic, cultural and political groups that experienced it. Prerequisites: Development of Major Civilization category; Artistic Expression; Literary Expression. (University Studies course) (3)

UI 450. Capstone Experience.
Group-based solution of open-minded problems based on cases or scenarios from the "real world," requiring interaction among students with diverse training. (3)

UI 500. History of the English Language.
Origin and development of the English language, including grammatical forms, principles of sound change, and growth of English vocabulary. (University Studies course) (3)

Study of nature of language, including its systems, role in society, historical changes, writing systems, the language acquisition process, biological foundations, and machine languages. (University Studies course) (3)

UI 503. Age of Alexander the Great.
The civilization and physical geography of the world of Age of Alexander the Great. (University Studies course) (3)

Women’s Studies (WS)
WS 100. Introduction to Women's Studies. (3)
WS 300. Seminar: Issues in Women's Studies. (3)

Writing Proficiency (WP)
WP 003. 75 Hour Writing Proficiency Exam.
All students are required to enroll for this test in the next semester after they have completed 75 semester hours. A passing score on this test is required for graduation. Prerequisites: University Studies Written Expression; WP 002.

Zoology (ZO)
Diversity of animal life with emphasis on invertebrates. Comparison of the major animal phyla emphasizing integration of function and form. Two lectures and one 2-hour lab. Prerequisite: BI 190. (3)

ZO 315. Comparative Anatomy.
Intensive study of selected organ systems of lower chordates and representative vertebrates. One lecture and two 2-hour labs. Prerequisite: ZO 200 or equivalent. (3)

ZO 331. Animal Physiology.
Examination of functioning systems of vertebrates. Attention is given to the adaptiveness of these systems and to their integrated functioning. Two lectures and one 2-hour lab. Prerequisites: ZO 200; CH 341 and CH 342. (3)

ZO 414. Developmental Biology.
The differentiation of germ layers into tissues and organs with an emphasis on genetic processes and morphological patterns. Two lectures and one two-hour lab. Prerequisites: BI 300; BI 381. (3)

**ZO 420. Animal Behavior.**

Evolutionary approach to the study of behavior. Topics include: historical development of ethological theory, ontogeny of behavior, and animal social behavior. Two lectures and one 2-hour lab. Prerequisite: ZO 200 or consent of instructor. (3)

**ZO 441. Parasitology.**

Introduction to parasitism. Protozoans, platyhelminths, and nematodes are stressed, particularly host-parasite relationships and life cycles. One lecture and two 2-hour labs. Prerequisite: ZO 200 or equivalent. (3)

**ZO 459. Mammalogy.**

Introduction to the ecology, zoogeography, structure/function, evolution, and behavior of mammals. One lecture and two 2-hour labs. Prerequisite: ZO 200. (3)

**ZO 460. Herpetology.**

An introduction to the biology of the amphibians and reptiles. Evolutionary history, ecology, behavior, physiology, and distribution. Three lectures. Prerequisite: ZO 200 or consent of instructor. (3)

**ZO 465. Entomology.**

Insect biology, behavior, control, structure, diversity, physiology and additional selected topics in entomology. Two hours lecture and one two hour lab. Prerequisite: ZO 200 or equivalent. (3)

**ZO 466. Ornithology.**

The physical structure, habits, geographical distribution, physiology, and evolution of birds. Identification of birds typical of the region. One lecture and two 2-hour labs. Prerequisite: ZO 200 or equivalent. (3)

**ZO 469. Vertebrate Adaptations.**

Survey of vertebrate adaptations to various environments. Topics include mechanistic and morphological adaptations for feeding, thermoregulation, locomotion, reproduction, and sensory systems. One lecture and two 2-hour labs. Prerequisite: ZO 200 or consent of instructor. (3)

**ZO 478. Ichthyology.**

An introduction to the evolution, zoogeography, taxonomy, and ecology of fishes, with particular reference to Missouri fishes. Two lectures and one 2-hour lab. Prerequisite: ZO 200 or consent of instructor. (3)
University Personnel
University Personnel

ADMINISTRATIVE OFFICERS

Kenneth W. Dobbins (1991)
President
B.S.A., U of Akron; M.B.A., Old Dominion U; Ph.D.,
Kent State U.

Jane Stephens (2000)
Provost
B.S., Middle TN State U; M.A., Ph.D., Ball State U.

Dennis Holt (1976)
Vice President-Administration & Enrollment Management Executive Director-Southeast MO Educational Consortium
B.A., Ph.D., U of OR; M.A., Cornell U.

Frederick T. Janzow (1975)
Interim Vice Provost/Dean, School of Graduate & University Studies State U.

Ivy D. Locke (2000)
Vice President-Business & Finance
B.B.A., Emory U; M.B.A., Washington U; Ph.D., U of FL.

Alan C. Zacharias (2001)
Vice President-University Advancement/Executive Director-Foundation
B.S., Murray State U; M.B.A., Dominican U.

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DONALD L. HARRISON COLLEGE OF BUSINESS

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Dept. of Economics & Finance, Dr. Rebecca Summary
Dept. of Management & Marketing, Dr. Jack L. Sterrett

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Dept. of Elementary, Early, and Special Education, Dr. R. Eleanor Duff
Dept. of Middle & Secondary Education, Dr. Frederick L. Yeo

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Dept. of Aerospace Studies, Mjr. Michael Berry
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Dept. of English, Dr. Carol Scates
Dept. of Foreign Language & Anthropology, Dr. Dieter Jedan
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Dept. of Theatre & Dance, Dr. Kenn Stilson

COLLEGE OF SCIENCE AND MATHEMATICS

Dr. Chris W. McGowan, Dean
Dept. of Biology, Dr. William Eddleman
Dept. of Chemistry, Dr. Philip Crawford
Dept. of Computer Science, Dr. Anthony Duben
Dept. of Geosciences, Dr. David Probst
Dept. of Mathematics, Dr. Victor Gummersheimer
Dept. of Physics & Engineering Physics, Dr. David Probst

SCHOOL OF POLYTECHNIC STUDIES

Dr. Randall Shaw, Dean
Dept. of Agriculture, Dr. Wes Mueller
Dept. of Industrial & Engineering Technology, Dr. Ragu Athinarayanan

SCHOOL OF GRADUATE AND UNIVERSITY STUDIES

Dr. Frederick T. Janzow, Dean

KENT LIBRARY

Dr. Sarah L. Cron, Dean of Academic Information Services and Director of Kent Library

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