FALL SEMESTER - 2006  
August 21 - December 15, 2006

Classes Begin ................................................................. August 21
Labor Day - no classes .......................................................... September 4
Fall Break ............................................................................. September 11 (close of classes)-September 16 (8 a.m.)
Thanksgiving Recess ............................................................. November 21 (close of classes)-November 27 (8 a.m.)
Final Exams ........................................................................ December 11-15
Commencement .................................................................... December 16

SPRING SEMESTER - 2007  
January 16 - May 11, 2006

Martin Luther King, Jr. Birthday (no classes) ....................................... January 15
Classes Begin ........................................................................ January 16
Spring Break .......................................................................... March 16 (close of classes)-March 26 (8 a.m.)
Easter Recess ......................................................................... April 5 (close of classes)-April 9 (8 a.m.)
Final Exams ........................................................................... May 7-11
Commencement ...................................................................... May 12

SUMMER SEMESTER - 2007  
4-Week Session: May 15- June 8  
8-Week Session: June 12- August 3

The University maintains its teaching, public service, and operational activities in accordance with established schedules. Suspension of classes and/or campus operations is avoided whenever possible. Students, faculty, and staff are urged to use discretion and judgment when travel conditions are hazardous. If a state of emergency is declared for the entire community, the University will follow stated emergency procedures.

SOUTHEAST MISSOURI STATE UNIVERSITY’S ACCESSIBILITY PLAN

Although certain facilities are not fully physically accessible to disabled persons, Southeast Missouri State University will take such means as are necessary to ensure that no qualified disabled person is denied the benefits of, excluded from participation in, or otherwise subject to discrimination because Southeast Missouri State University’s facilities are physically inaccessible to, or unusable by disabled persons. The accessibility standard required by Federal law for existing facilities is that the recipient’s program or activities when viewed in its entirety, must be readily accessible to disabled persons.

Southeast Missouri State University may meet this standard through such means as reassignment of classes, or other services to accessible locations, redesign equipment, assignment of aids, alterations of existing facilities, and construction of new accessible facilities. Southeast Missouri State University is not required to make structural changes in existing facilities where other methods are sufficient to comply with the accessibility standard described above. Because scheduling classes and arranging housing in accessible facilities may require reasonable advance planning, disabled students accepted for admission should identify themselves within five days of the start of the semester of enrollment and indicate the nature of accommodation needed for their disability/identify disability. Students should contact Assistant Director, Learning Enrichment Center, third floor, University Center at One University Plaza, Cape Girardeau, MO 63701. Inquiries about accessibility or other issues should be directed to Assistant to the President for Equity Issues, room 302, Academic Hall, One University Plaza, Cape Girardeau, MO 63701, (573) 651-2524.

NOTICE OF NONDISCRIMINATION

Applications from all persons are welcomed. Women, minorities, disabled persons are especially encouraged to apply. Southeast Missouri State University does not discriminate on the basis of race, color, religion, national origin, sex, age, or disability. Inquiries concerning the application of these regulations to the University may be directed to the Assistant to the President for Equity Issues. Please direct inquiries to the Assistant to the President for Equity Issues, Southeast Missouri State University, room 302, Academic Hall, One University Plaza, Cape Girardeau, MO 63701, (573) 651-2524.

Situations may arise in which students believe that they have not received fair treatment by a representative of the University, or have concern about the performance, action, or inaction of a member of the staff or faculty which affects the student. Wherever possible, the student should approach the faculty or staff member first in an attempt to resolve the matter. Unresolved concerns involving faculty should be taken to the chairperson of the department and then to the dean of the college. Unresolved concerns involving non-faculty staff should be taken to the staff member’s supervisor and then to the next higher supervisor. In the event of a complaint alleging illegal harassment, discrimination, the student may contact the Dean of Students, the Assistant to the President for Equity Issues, or the Dean of a College.

Southeast Missouri State University reserves the right to modify or change any rule or regulation stated herein. Southeast Missouri State University further reserves the right to modify or change any academic program subject to any limitation imposed by state law.

On the Cover: Academic Hall
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Overview
HISTORY AND LOCATION

The University was established by statute in 1873 as the "Third District Normal School" with a mission of educating teachers for the public schools of the region from St. Louis to the Bootheel of Missouri. 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 General Assembly. The expanding educational mission of the school was reflected in the latest name change on August 24, 1972, when the Board of Regents, acting under authority from the 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 most historic cities in Missouri. The earliest European settlement dates to about 1733, and the town of Cape Girardeau was incorporated in 1808. The city offers a variety of cultural, recreational, educational, and health facilities to its nearly 40,000 residents and serves as the principal commercial center for a wide area with a population of over 250,000, providing numerous employment opportunities for students.

The University’s main campus of over 300 acres includes the 100-year-old landmark building, Academic Hall, situated on a hill overlooking the city and the river. A second campus, located on the river south of Cape Girardeau’s historic downtown area, is being constructed to house a new School of Visual and Performing Arts, a regional museum, and state-affiliated welcome center starting in 2007. The University is developing a new, 252-acre demonstration farm west of Cape Girardeau and is in the process of converting an existing 400-acre farm on Interstate 55 north of Cape Girardeau into an applied research and technology park. In addition, the University has three regional campuses south of Cape Girardeau - at Kennett, Malden, and Sikeston - and it administers the Perryville Area Higher Education Center where classes are taught by faculty from both Southeast and Mineral Area College.

MISSION, ROLE AND SCOPE

Southeast Missouri State University provides professional education grounded in the liberal arts and sciences and in practical experience.

The University, through teaching and scholarship, challenges students to extend their intellectual capacities, interests, and creative abilities; develop their talents; and acquire a lifelong enthusiasm for learning. Students benefit from a relevant, extensive, and thorough general education; professional and liberal arts and sciences curricula; co-curricular opportunities; and real-world experiences. By emphasizing student-centered and experiential learning, the University prepares individuals to participate responsibly in a diverse and technologically-advanced world and in this and other ways contributes to the development of the social, cultural, and economic life of the region, state and nation.

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
- ACCREDITING COUNCIL FOR EDUCATION IN JOURNALISM AND MASS COMMUNICATION
- AMERICAN CHEMICAL SOCIETY
- AMERICAN PARKS AND RECREATION SOCIETY
- AMERICAN SPEECH-LANGUAGE-LANGUAGE HEARING ASSOCIATION
3. Overview

The institution is a member of:

- COMMISSION ON ACCREDITATION FOR DIETETICS EDUCATION
- COMMISSION ON ACCREDITAION 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

Board of Regents, Southeast Missouri State University

John C. Tlapak, Cape Girardeau
President of the Board of Regents
Term Expires January 1, 2007

Donald B. (Brad) Bedell, Sikeston
Vice President of the Board of Regents
Term Expires January 1, 2007

Reginald D. Dickson, St. Louis
Member, Board of Regents
Term Expires January 1, 2011

Edward C. Matthews III, Sikeston
Member, Board of Regents
Term Expires January 1, 2009

Gail L. Rosmarin, Poplar Bluff
Member, Board of Regents
Term Expires January 1, 2009

Albert M. Spradling III, Cape Girardeau
Member, Board of Regents
Term Expires January 1, 2011

Christopher L. Davis, St. Louis
Student Representative to the Board of Regents
Term Expires December 31, 2007

D. Kent King, Jefferson City
Commissioner of Education
Ex Officio

Southeast Missouri State University Alumni Association

Alumni and former students show pride for their alma mater through membership in the Southeast Missouri State Alumni Association. The 50,000-person alumni network remains strong because of Alumni Association members worldwide.

The Alumni Association serves as the advocate for all Southeast alumni as it strives to perpetuate the spirit and customs of the University, build strong alumni fellowship, and support the high-quality Southeast education.

Alumni Association members receive benefits including discounts on goods and services from local and national vendors, special campus privileges, and invitations to Association and University events. Membership in the Association
is available to all graduates and former students. Alumni can join online and find more information about the Alumni Association at www.semoalumni.com.

SOUTHEAST MISSOURI UNIVERSITY FOUNDATION

A state-assisted institution, Southeast Missouri State University receives only a portion of its funding from state revenue, tuition and auxiliaries. The remainder is raised by the Southeast Missouri University Foundation in the form of private gifts by alumni and friends who believe in bringing students a high-quality education that ensures students experience success in our global society.

Since its founding in 1983, the University Foundation has worked diligently to raise and manage funds for the betterment of Southeast Missouri State University and its students that support:

- Scholarships and financial aid that help make a Southeast education even more affordable for future leaders;
- Faculty advancement, including continuing education funds, endowed faculty chairs and classroom resources;
- Technology upgrades that bring the newest technology to students in all disciplines; and
- Facilities improvements that guarantee students and faculty will have the best environment in which to learn and grow.

Thanks to students, faculty and staff, alumni, and friends, the Foundation raised more than $3.8 million in 2005. This generous support makes a real difference in the lives of students. For more information on the Foundation and ways to support Southeast, visit www.semofoundation.org.
Admission/ Expenses/ Academic Policies
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 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 will 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
Admission

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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 Arkansas Northeastern 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 West Kentucky Community and Technical 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, 3515 Amazonas Drive, Jefferson City, MO 65109.

INTERNATIONAL STUDENT INFORMATION

Regular Admission of International Students

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 The University of Cambridge Local Examinations Syndicate (UCLES), The British Council or IDP Education Australia: IELTS Australia. (Applicants whose native language is English or who have completed their secondary education in countries where English is the native language are to send scores from either the ACT Assessment or the Scholastic Aptitude Test (SAT) instead of the TOEFL.); (3) an official copy of the original transcript(s) of all secondary school and college work along with certified translations of these documents if the original is not in English; (4) evidence of financial resources necessary to attend Southeast Missouri State University.

English Language Requirements:

Students who are Non-Native Speakers of English: Southeast Missouri State University follows professional guidelines in using multiple tests to identify the language skills of a non-native speaker of English. (A person is a non-native speaker of English if a language other than English is spoken in the home.) Since the TOEFL tests a student's passive knowledge of English, the measures used on-campus test the student's ability to produce English. Thus, students required to submit a TOEFL score are re-tested upon arrival at the University. Testing takes place during orientation. Exams include a writing proficiency test, a reading test, a lecture note-taking test, and a speaking test. In addition to the TOEFL score and the results of the tests, other criteria such as previous English language training are also reviewed in determining the final placement of students. Based upon the
placement recommendation of the ESOL Coordinator, students are required to take additional English classes. These classes carry elective credit towards a degree.

**Students who are Native Speakers of English:**
Students from countries such as England, Canada, Australia, New Zealand, etc. 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 have Previously Earned Degrees from U.S. Accredited Colleges or Universities:**
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 which 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.

**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.

**Admission as an International Exchange Student:**
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 Admissions Office or by downloading the form from the following site: [http://www5.semo.edu/admissions/pdf/visiting_student.pdf](http://www5.semo.edu/admissions/pdf/visiting_student.pdf)

International exchange students are expected to demonstrate English proficiency at a level that allows them to take advantage of all courses for which they are eligible. Documentation of proficiency is to include a letter in English from the sending institution which attests to the English language proficiency of the applicant and how language proficiency was determined. The letter must be signed by the appropriate individual (director or higher) at the sending institution. A TOEFL score of 500 or higher or documentation of having completed secondary education in a system where English is the primary language of instruction will also be accepted.

International exchange students who decide to change to regular degree-seeking admission must follow all of the admissions procedures for the appropriate classification (undergraduate or graduate) as outlined above under “Regular Admission of International Students.”

**Intensive English Program:**
An undergraduate student with a TOEFL score less than 500 (CBT 173) or a graduate student with a TOEFL score less than 550 (213 CBT) or its equivalent who is admitted to the University is placed into the Intensive English Program. These students will complete a series of TL09x courses that can be repeated at increasingly advanced levels of
ORIENTATION

First-Year Student 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 Student 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 new international students, exchange students and scholars prior to beginning their program at Southeast. During the program, students will take placement tests and learn about safety and security, classroom expectations, billing, and where to go for assistance with academic, health and social concerns. New International Student and Scholar
Orientation is held during the week before classes begin 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 Linkages 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, QM 352, QM 358, 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, QM 352, QM 358, BA 490 and the international business course.

Fifty percent of an individual's business degree program (60 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

Students interested in the professions of speech-language pathology or audiology may contact the Communication Disorders Department to declare the major in Communication Disorders anytime after being admitted to the University. Upon completion of the declaration of major form, each student will be assigned an advisor within the department.

The declaration of major form does not constitute admission to the program. Students are formally admitted to the major upon meeting the following prerequisites:

1. Present an overall minimum grade point average of 2.5 on a 4.0 scale.
2. Complete a minimum 30 semester hours of college level courses.
3. Complete the following courses with a grade of "C" or better: CD 211; CD 225; CD 230; and CD 340.

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 major grade point average of 2.75.

ADMISSION TO ATHLETIC TRAINING EDUCATION PROGRAM (HEALTH MANAGEMENT MAJOR: ATHLETIC TRAINING OPTION)

Students choosing to pursue athletic training must complete the following requirements by the
11 Admission

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completion of the spring semester of application and be formally accepted into the Athletic Training Education Program. Selections for admission into the ATEP are made at the end of the spring semester. Approximately 12 students can be chosen to enter the major each year, in compliance with accreditation guidelines concerning clinical instructor-to-student ratios. 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.

1. Gain admission to Southeast Missouri State University;
2. Complete a declaration of major form indicating Pre-Athletic Training. Forms should be turned in to the Department of Health Human Performance & Recreation.
3. Provide verification of a minimum cumulative GPA of 2.5 by the end of the semester of application.
4. 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 251 and HL 280 must be taken at Southeast Missouri State University. Observation hours (HL 280) will be completed under the direct supervision from an approved clinical instructor.
5. Provide proof of current CPR and AED certification.
6. Provide proof of tuberculosis screening and vaccination of MMR, tetanus, Hepatitis B (or HBV declination).
7. Demonstrate ability to meet the technical standards for admission (see Athletic Training Education Program website for more information).
8. Formal application involves: (percentages in parenthesis indicate weight of item in selection formul

a) completion of a program application which includes a one page essay (5%);
 b) submission of official transcripts of all high school and post-secondary academic work;
 c) three standardized recommendation forms (5%);
 d) submission of observation evaluations by approved clinical instructors (10%);
 e) interview with selection committee (10%);
 f) prerequisite course grade point average (10%);
 g) demonstration of a minimum grade point average of 2.5 (60%).

Students must be accepted in the program before enrolling in the athletic training education program course sequence. After reviewing this material, please contact the ATEP director if you have further questions about the program.

Admission Grievance Policy:

Any student denied admission to the ATEP will be notified in writing by the Program Director. Communication regarding the decision of the Selection Committee can only occur directly with the student in question unless he/she has provided written permission to discuss the content with a third party. Students are given the opportunity to discuss the rationale of the ATEP selection committee with the Program Director. If a student is not satisfied with the explanation of the decision, he/she may request a review of the Selection Committee's reasons for denial by the Chair of the Department of Health, Human Performance and Recreation. An official request for review must be received by the Department Chair in writing within 10 business days from the mailing date of the denial letter.

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.

A student failing to receive a "C" or better in any coursework within the major will not be allowed to continue into more advanced coursework 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 within the program 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).

Additional Requirements and Fees: Refer to Athletic Training Education Program Web site for current information.

ADMISSION TO DIETETICS OPTION (HUMAN ENVIRONMENTAL STUDIES MAJOR: DIETETICS OPTION):

The Declaration of Major does not constitute admission to the program. Students may complete the Declaration of Major form and be assigned an advisor in the department of Human Environmental Studies anytime after they have been admitted to the University and have begun attending classes.

Students wishing to be formally admitted into the Dietetics Option must meet the following admission criteria:
1. Completion of 45 semester hours with a minimum grade point average of 2.75 over-all including the following course work (or equivalent) with a minimum grade of "C": MA134; PY 101; CH 181; AD 101; EN 140; FN 235; BS 113; BS 114; AG 201.
2. Completion of all developmental courses (if applicable).

Admission Procedures:
1. Each student will complete a declaration of major form. The director of the Didactic Program in Dietetics will determine if all admission criteria are met. The departmental secretary will send a letter of acceptance with copy of admission policy to successful applicants. Those individuals who do not meet the admission criteria will be notified in writing.
2. Each semester, grades will be reviewed by the DPD director. Any student failing to meet retention requirements will be notified by mail within ten days of final grade postings. Students must complete an application for reinstatement if they wish to re-take coursework that failed to meet retention requirements.

Retention Requirements:
Students will be retained as dietetic majors providing the following retention criteria are met:
1. Completion of all required courses as outlined in the degree requirements in the Undergraduate Bulletin.
2. Maintain a cumulative grade point average of 2.75 each semester and an overall GPA of 3.0 in all required coursework for the major courses - as outlined in the degree requirement in the Undergraduate Bulletin.

Graduation Requirements:
In order to receive a verification statement for completion of the required didactic curriculum, accredited by the American Dietetic Association's Commission on Accreditation for Dietetics Education, students must meet all requirements put forth for both admission and retention and be approved for graduation by the Registrar at Southeast Missouri State University. The student who completes this degree must additionally complete a minimum
Admission
Southeast Missouri State University 2006-07

of 900 supervised practice hours of preprofessional experience accredited/approved by The Commission on Accreditation/Approval for Dietetics Education of The American Dietetic Association and successfully complete the Registration Examination for Dietitians.

Admission/Retention Grievance Policy:
Any student denied admission or retention to the dietetics program will be notified in writing by the Program Director. Students are given the opportunity to discuss the rationale of the decision with the Program Director. If a student is not satisfied with the explanation, he/she may request a review of the decision by the Chair of the Department of Human Environmental Studies. An official request for review must be received by the Department Chair in writing within 10 business days from the mailing date of the denial letter.

ADMISSION TO MASS COMMUNICATION PROGRAM OPTIONS

Any student wishing to be formally admitted into the advertising, journalism, 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 must maintain the following requirements to continue with advanced coursework in the major:

1. Receive a grade of "C" or better in all required coursework within the major.
2. Maintain a minimum cumulative and major 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 Communication must satisfy the following criteria:

1. Present a minimum of "C" or better in all required coursework within the major.
2. 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.
3. Complete 83 hours outside of the MC prefix with at least 68 of those hours selected from traditional Arts and Science courses.
4. Complete a required experiential learning opportunity (MC 486 Mass Communication Internship or MC 496 Mass Communication Practicum) with a minimum of 180-clock hours with the approval of and under the direct supervision of the Department of Communication.
5. Complete a minor outside of Mass Communication.
6. Completion of an assessment activity, MC 001 Senior Exit Interview, in the final semester of coursework.

ADMISSION TO NURSING PROGRAM

Students seeking a Bachelor of Science Degree in Nursing are admitted as incoming freshmen. Students are admitted twice yearly in a
separate process from admission to the University. Students may access the department web site at http://www2.semo.edu/nursing for complete information, or contact the Department of Nursing directly. Applicants for fall admission will be reviewed in January for the following fall semester University entrance and the last week of October for the following spring semester University entrance. 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. Students requesting fall admission must have been accepted by the University by January 30, and for spring admission by October 15. However, qualified students will be admitted until the class is full. 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 for Registered Nurses (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 3900 Framework for Professional Nursing, 36 hours of credit for previous nursing course work will be awarded and the student will progress to senior level. Application deadline is April 30; however, qualified students will be admitted until the class is full. 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 201*; SW 207*; SW 221*.
3. Completion of all developmental courses (if applicable).
4. Forty (40) hours of volunteer work in a social service agency (approved by academic advisor).

*SW 110, SW 201, 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': SW 242; 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 field education, i.e., SW 449 with minimum grade of 'C'.
3. Completion of 480 hours of field education, 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 in Scully 304. 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. Attain 57 hours
3. Complete EN 140 with a minimum grade of 'C' (or an approved equivalent of English Composition);
4. Not be on disciplinary probation nor have been convicted of a felony;
5. Have a written recommendation from the Block I (EL 120/SE 222) instructor, department chair or designee;
6. 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 (Scholas-
tic Aptitude Test) score at or above the 66th percentile.

OR

C. 3.00 Cumulative gpa and 235 or higher on each section of the C-BASE.

After admission, students must meet the requirements for retention in teacher education programs. Students who earn lower than a "C" in any professional education course in two attempts will not be permitted to continue in the Teacher Education Program. The requirements for retention and for exiting the program have been published in the College of Education Faculty Handbook, which may be accessed at http://www5.semo.edu/cea/. 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 appropriate 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 301, ms 5500.

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.

Incidental Fee Schedule. For the 2006-2007 academic year, fees are as follows:

<table>
<thead>
<tr>
<th></th>
<th>Missouri resident:</th>
<th>Non-Missouri Resident (per credit hour)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incidental Fees</td>
<td>$167.80</td>
<td>$305.30</td>
</tr>
<tr>
<td>General Fees</td>
<td>$15.70</td>
<td>$15.70</td>
</tr>
<tr>
<td>Total*</td>
<td>$183.50</td>
<td>$321.00</td>
</tr>
</tbody>
</table>
**Fees**

*An additional $4.00 per credit hour fee will be added to all off-campus courses and all ITV courses.

*An additional $10.00 per credit hour fee will be added to all web courses.

All fees are subject to change by the Board of Regents without prior written notice.

A comprehensive list of fees can be found at http://www.semo.edu/cs/financing/fees.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/cs/financing/fees.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, with advisor, etc.). **NOTE:** These students do not receive a billing statement.**

**Textbook Rental/Purchase.** Undergraduates may rent or purchase textbooks. Rental rates are $17.75 plus tax per course for the 2006-2007 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 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/rates&costs.html 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 semesters.

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 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>Fee Refunded</th>
<th>Percentage of Fee Refunded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular Academic Year</td>
<td></td>
</tr>
<tr>
<td>Through the first two days of semester</td>
<td>100%</td>
</tr>
<tr>
<td>Remainder of the first week of semester</td>
<td>90%</td>
</tr>
<tr>
<td>Second week of semester</td>
<td>70%</td>
</tr>
<tr>
<td>Third week of semester</td>
<td>60%</td>
</tr>
<tr>
<td>Fourth week of semester</td>
<td>50%</td>
</tr>
<tr>
<td>After the fourth week of semester</td>
<td>0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fee Refunded</th>
<th>Percentage of Fee Refunded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three-and Four-Week Summer Session</td>
<td></td>
</tr>
<tr>
<td>Through the first day of session</td>
<td>100%</td>
</tr>
<tr>
<td>Through the next day of session</td>
<td>90%</td>
</tr>
<tr>
<td>Remainder of the first week of session</td>
<td>50%</td>
</tr>
<tr>
<td>After the first week of session</td>
<td>0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fee Refunded</th>
<th>Percentage of Fee Refunded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Six/Eight Week Summer Semester and Eight-Week Block Courses</td>
<td></td>
</tr>
<tr>
<td>During Fall/Spring Semesters</td>
<td></td>
</tr>
<tr>
<td>Through the first day of semester</td>
<td>100%</td>
</tr>
<tr>
<td>Through the next day of semester</td>
<td>90%</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. The letter should accompany the "Appeal Form for Incidental, General and Course Fees of Dropped Classes" (available in Student Financial Services.) 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 Semester.

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 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 performance following their return. The 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 one time 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 after the student's first application for a baccalaureate degree.

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, prerequisite, 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. Have 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.

Protocol for Adjudicating Alleged Violations of Academic Honesty. Faculty members who discover evidence of academic dishonesty should contact the student within five business days of discovering the alleged dishonesty to arrange to meet and discuss the allegation. Prior to this meeting the faculty member may consult with the Department Chairperson, the appropriate Dean, and the Office of Judicial Affairs. The following sections describe the procedures to be adhered to in each of the listed instances: the student acknowledges the violation, the student denies the violation, and the appeals process. If the faculty member is the Department Chairperson, a departmental designee will assume the Department Chairperson’s role in this protocol and references to the Department Chairperson should be read as departmental designee. The procedures below should be followed with online, ITV or face-to-face classes.

I. Informal Resolution

A. The Student Acknowledges the Violation
The faculty member will meet with the student suspected of engaging in academic dishonesty. Faculty for online courses will contact students via email with copies of the assignment under review attached. If the student acknowledges the act of academic dishonesty, the faculty member will resolve the issue informally or move to the first step of the formal process (Section II A). Students enrolled in ITV or online courses who fail to respond to electronic correspondence from the faculty within 5 business days will either receive academic sanctions or be referred for a formal hearing.

The faculty member has the discretion to determine the course of action after conferring with the student and may either excuse the student based on the facts or impose an appropriate sanction. If the faculty member considers the student’s actions not to be an egregious violation of the academic honesty policy or his/her action resolves the matter, then the matter is resolved.

In imposing a sanction or sanctions, faculty members must adhere to the grade sanction policy, if any, as described in the faculty member’s course syllabus. A faculty member’s grade sanction policy may not include permanent removal of the student from the course or suspension or expulsion from the University. If a faculty member’s course syllabus does not include a grade sanction policy, a faculty member may impose one or more of the following sanc-
Academic Policies and Procedures
Southeast Missouri State University 2006-07

Academic disci-
weeks of notification. The Department Chairperson will also notify the Judicial Coordinator of the formal hearing as soon as it is scheduled.

For online or ITV courses, the Department Chairperson will notify the student of the formal hearing via email. The student will be given five (5) business days to respond to the Department Chairperson’s notification.

c. The Judicial Coordinator will immediately initiate written contact to the student to review the student’s rights in the judicial process, the allegations against the student, and the hearing procedures. The Judicial Coordinator will inform the student that he or she may select a person of the student’s choosing to accompany him or her to the formal hearing. Such a person may act only in an advisory capacity during the formal hearing. Students in online or ITV courses may have this advisory person review the evidence and the student’s response.

d. The Department Chairperson shall consult with the Judicial Coordinator or the Dean of Students regarding the student’s due process rights before proceeding with the formal hearing.

The hearing will be conducted by the Department Chairperson in accordance with the standards provided in the University’s Code of Student Conduct. For students enrolled in online or ITV courses, the Department Chair will send the evidence to the student electronically. The student will be given five (5) business days to respond to the email. The Department Chair will review the evidence presented by the faculty and the student’s response.

After the hearing (or review of evidence and online student response), the Department Chairperson will submit written notification of the result of the formal hearing to the appropriate Dean and the Judicial Coordinator with a copy to the student within five business days.

e. If the student is found not in violation of the academic honesty policy, then the case will be dismissed.

f. If the student is found in violation of the academic honesty policy, then the student will be required to complete the sanction or sanctions imposed by the faculty member in accordance with the guidelines in Section I A.

g. The Department Chair will refer the student to the Judicial Coordinator who will place the student on disciplinary probation at least through the next semester in which the student is enrolled at Southeast Missouri State University. If the student is not in good disciplinary standing, the Judicial Coordinator will follow the Code of Student Conduct to determine the appropriate disciplinary sanction.

h. In addition to the original faculty sanctions, the Chair can impose additional sanctions in accordance with the guidelines in Section I A.

i. The Department Chair may recommend failing the course, suspension, dismissal or expulsion if he/she believes the incident warrants more severe action than disciplinary probation. These recommendations, along with supporting documentation, will be shared in writing with the appropriate Dean and Judicial Coordinator (with a copy to Dean of Students). The Judicial Coordinator will review documentation, meet with the student, and impose sanctions as warranted.

III. The Appeals Process

Either the student or the faculty member may appeal the result of the formal hearing. An appeal must be made within five business days after the decision is rendered. Appeals must be in writing through e-mail, local mail or personal delivery.
There are two levels of the appeals process. The All University Judicial Board is the first level and the Provost is the second and final level of appeal. At each level, an appealed case merits being heard based on the following conditions.

A. An excessive sanction when compared with previous sanctions for similar violations under similar circumstances. *
B. The discovery of significant new information relevant to the case.
C. Procedural error regarding the student's rights involving error in the administration of judicial procedures by the faculty, Department Chair or Judicial Coordinator.

The appeals process is not for retrying or rehearing a case. Decisions made during the appeals process can result in one of the following.

A. The sanction being altered based on a finding that the sanction is not consistent with past practice.
B. A new hearing being granted based on new information.
C. A new hearing being granted because the Protocol for Adjudicating Alleged Violations of Academic Honesty was not applied appropriately.

No grade penalty should be assigned by the faculty member until the judicial process determines that an act of academic dishonesty has occurred. If the charges cannot be resolved prior to the end of the current semester, a grade of 'I' should be assigned pending the outcome of the hearing. The 'I' will remain on the student's transcript until the charges are resolved. If the charges are still not resolved before the time frame for the 'I' expires, the faculty member will request from the Registrar's Office an extension of the grade of 'I'. The faculty member and the Department Chair will be notified of the outcome of the disciplinary case in order to assign a grade for the course. If the student is found not to be in violation of the Academic Honesty Policy, neither the faculty member nor any other member of the University community may take any other action against the student.

*Specific sanctions in syllabus are not subject to appeal.

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 semester; students suspended at the end of a summer semester 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 123
(573) 651-5090

College of Education Advising
Scully Building, room 304
(573) 651-2412

College of Health & Human Services Advising
Academic Hall, room 104
(573) 651-2015

College of Liberal Arts Advising
Academic Hall, room 104
(573) 651-2007

College of Science & Mathematics Advising
Rhodes Hall, Room 117
(573) 651-2173

School of Polytechnic Studies Advising
Seabaugh Polytechnic Building, room 301
(573) 986-6746

University Studies Advising
Academic Hall, room 317
(573) 986-7328

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 programs. Both degree/major/minor combinations will appear on the official transcript. Where applicable, courses will fulfill requirements on both degree programs, e.g., University Studies.

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 to enroll in graduate courses, are classified as dually enrolled students.

Graduate Student. Students who have been accepted into the School of Graduate Studies 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. St. 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, DANTES, 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), DANTES Subject Standardized Test, Departmental Examination (DE), and the College Level Examination Program (CLEP). Most CLEP subject examinations are accepted. Additionally, credit may be earned via a Certified professional Secretary (CPS) certification, or through the International Baccalaureate Organizations (IBO) program. 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>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>Biology</td>
<td>BS 108 Biology for Living</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CH 185 General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>CS 155 Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>Computer Science AB</td>
<td>CS 155 Computer Science I</td>
<td>4</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>Environmental Science</td>
<td>BS 105 Environmental Biology</td>
<td>3</td>
</tr>
<tr>
<td>French Language</td>
<td>FR 100, FR 120 French Language and Culture I &amp; II**</td>
<td>3-6</td>
</tr>
</tbody>
</table>
French Literature FR 200 French Literature 3
German Language & Culture I & II GN 100, GN 120 German 3-6
Govt/Politics, U.S. PS 103 US Political Systems* 3
Govt/Politics, Comparative PS 104 Comp Political Systems* 3
History, United States US 105, US 107 Am Hist I & II** 3-6
History, European WH 101, WH 103 History of Western Europe I & II** 3-6
Latin LT 198 Latin Elective 3
Mathematics, Calculus AB MA 140 Analytical Geom & Calc I 5
Mathematics, Calculus BC MA 140, MA 145 Analytical Geom & Calculus I & II*** 9
Music Theory MM 101 Theories-Music & Cult 3
Physics B PH 120 Intro Physics I 5
Physics C PH 198 Physics Elective 3
Psychology PY101 Psych Perspective/Hum Behr 3
Spanish Language SN 100, SN 120 Spanish 3-6
Spanish Literature SN 220 Hispanic Literature 3
Statistics QM 257 Business Statistics 3

*PS 220 must also be taken to meet graduation requirements.
**Credit awarded based on score. Call Testing Services for criteria.
***Calculus AB subscore awarded same credit as Calculus AB test above; may not apply both credits together.

**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>Course</th>
<th>CLEP Test Title</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>BS 108</td>
<td>Biology, General</td>
<td>3</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>
<tr>
<td>EC 225</td>
<td>Macroeconomics, Principles of</td>
<td>3</td>
</tr>
<tr>
<td>FR 100/120</td>
<td>French, College Level</td>
<td>3-6*</td>
</tr>
<tr>
<td>GN 100/120</td>
<td>German, College Level</td>
<td>3-6*</td>
</tr>
<tr>
<td>LI 220</td>
<td>Analyzing &amp; Interpreting Literature</td>
<td>3</td>
</tr>
<tr>
<td>LI 260</td>
<td>English Literature</td>
<td>3</td>
</tr>
<tr>
<td>LI 270</td>
<td>American Literature</td>
<td>3</td>
</tr>
<tr>
<td>MA 134</td>
<td>Algebra, College</td>
<td>3</td>
</tr>
<tr>
<td>MA 135</td>
<td>Algebra-Trigonometry, College</td>
<td>3</td>
</tr>
<tr>
<td>MA 139</td>
<td>Calc with Elem Functions</td>
<td>3</td>
</tr>
<tr>
<td>MG 301</td>
<td>Management, Princ of</td>
<td>3</td>
</tr>
<tr>
<td>MK 301</td>
<td>Marketing, Prin of</td>
<td>3</td>
</tr>
<tr>
<td>PS 103</td>
<td>American Government</td>
<td>3**</td>
</tr>
<tr>
<td>PY 101 or 102</td>
<td>Psychology, Introduction to</td>
<td>3</td>
</tr>
<tr>
<td>PY 220</td>
<td>Human Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>SN 100/120</td>
<td>Spanish, College Level</td>
<td>3-6*</td>
</tr>
<tr>
<td>SO 102 or 200</td>
<td>Sociology, Introduction to</td>
<td>3</td>
</tr>
<tr>
<td>US 105</td>
<td>History of the U.S. I</td>
<td>3</td>
</tr>
<tr>
<td>US 107</td>
<td>History of the U.S. II</td>
<td>3</td>
</tr>
<tr>
<td>WH 101</td>
<td>Early European History</td>
<td>3</td>
</tr>
<tr>
<td>WH 103</td>
<td>Modern European History</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 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>

Defense Activity for Non-Traditional Education Support (DANTES): Originally set up to help armed service personnel obtain credit for knowl-
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edge and skills acquired through non-traditional experiences, it is now available to all U.S. universities. Courses for which DANTES credit is accepted are listed below:

<table>
<thead>
<tr>
<th>Course</th>
<th>DANTES Test 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>AH 310</td>
<td>Art of the Western World</td>
<td>3</td>
</tr>
<tr>
<td>AN 180</td>
<td>General Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>AN/SO 242</td>
<td>Principles of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>BL 455</td>
<td>Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>BS 105</td>
<td>Environment &amp; Humanity</td>
<td>3</td>
</tr>
<tr>
<td>CJ 110</td>
<td>Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 110</td>
<td>Introduction to Law Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>FI 260</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>GG 180</td>
<td>Human/Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>GO 110</td>
<td>Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>HL 120</td>
<td>Here's to Your Health</td>
<td>3</td>
</tr>
<tr>
<td>MA 334</td>
<td>Intro to Computers/Program in BASIC</td>
<td>3</td>
</tr>
<tr>
<td>MG 151</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>MG 356</td>
<td>Personnel/Human Resource Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>MI 375</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>RS 101</td>
<td>World Religions</td>
<td>3</td>
</tr>
<tr>
<td>SC 200</td>
<td>Principles of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>US 225</td>
<td>History of the Viet Nam War</td>
<td>3</td>
</tr>
<tr>
<td>US 354</td>
<td>Civil War/Reconstruction 1840-1896</td>
<td>3</td>
</tr>
<tr>
<td>WH 440</td>
<td>Intro to Modern Middle East</td>
<td>3</td>
</tr>
</tbody>
</table>

Local Credit By Departmental Examination (DE): Each test is roughly equivalent to a 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>AR 112</td>
<td>Perspectives in Art</td>
<td>3</td>
</tr>
<tr>
<td>BS 113/114</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 I***</td>
<td>5</td>
</tr>
<tr>
<td>ET 162</td>
<td>DC Principles &amp; Circuits **</td>
<td>3</td>
</tr>
<tr>
<td>ET 164</td>
<td>AC Principles &amp; Circuits **</td>
<td>3</td>
</tr>
<tr>
<td>FN 235</td>
<td>Nutrition for Health</td>
<td>3</td>
</tr>
<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 Expression</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

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>IB Course Name</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>AR 112</td>
<td>Art/Design</td>
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<tr>
<td>BS 108</td>
<td>Biology</td>
<td>3</td>
</tr>
<tr>
<td>MG 151</td>
<td>Business &amp; Organization</td>
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<tr>
<td>CH 180</td>
<td>Chemistry</td>
<td>3-5**</td>
</tr>
<tr>
<td>CS 120</td>
<td>Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>EC 101</td>
<td>Economics</td>
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<tr>
<td>LI 256</td>
<td>English, Language A1</td>
<td>3</td>
</tr>
<tr>
<td>FR 100/120</td>
<td>French, Language B</td>
<td>3-6**</td>
</tr>
<tr>
<td>FR 200/220</td>
<td>French, Language A1</td>
<td>3-6**</td>
</tr>
<tr>
<td>GG 150</td>
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<td>GN 100/120</td>
<td>German, Language B</td>
<td>3-6**</td>
</tr>
<tr>
<td>GN 200/220</td>
<td>German, Language A1</td>
<td>3-6**</td>
</tr>
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<td>GK 101</td>
<td>Ancient Greek</td>
<td>3</td>
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<tr>
<td>GH 198</td>
<td>History</td>
<td>3</td>
</tr>
<tr>
<td>GH 125</td>
<td>History of Islamic World</td>
<td>3</td>
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<tr>
<td>LT 198</td>
<td>Latin, Classical Language</td>
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<tr>
<td>MA 135</td>
<td>Mathematics, Higher Level</td>
<td>5</td>
</tr>
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<td>MM 101/105</td>
<td>Music</td>
<td>4</td>
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<tr>
<td>PL 110</td>
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</tr>
<tr>
<td>AN 101</td>
<td>Social Anthropology</td>
<td>3</td>
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</table>
Further credit may be awarded after student completes an interview with the department chairperson.

**Credit awarded based on score; contact Testing Services for criteria.

**Credit awarded based on score; contact Testing Services for criteria.

High School Dual Credit: Southeast offers dual credit courses in many area high schools. Check with your high school counselor or contact the Dual Credit office at (573)986-6179.

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

CREDIT HOUR

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 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 of 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 120 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.

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. 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.

**Graduation Requirements.** Developmental courses are prerequisites to regular university courses. Students must complete a minimum of 120 hours of regular courses in addition to any developmental courses they are required to take. Credit earned in developmental courses 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 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 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 or students who score at an appropriate level on WP001 are eligible to take the EN100 Equivalency 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 semester 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 semester 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)

EXAMINATIONS

Formal examinations are given at the end of every conventional course and must be taken at the time stated in the SCHEDULE OF CLASSES. Exceptions are granted only in cases of extreme hardship. Students may request an exception by submitting a written request to the instructor. Any approval of such an exception must be made in writing by the instructor and the department chairperson. Students are allowed two hours to complete a final examination.

If a student is unable to take a final examination because of illness or other circumstances beyond her/his control, the department chairperson must be notified by the student; otherwise, a grade of 'F' in the course will be recorded.

Special Examinations. Departments which require special examinations must list them in the SCHEDULE OF CLASSES. No student may be required to miss another scheduled class in order to take a special examination. In case of a time conflict between a scheduled class and a special examination, the department giving the special examination will provide an alternate time to the student who has the conflict.

FINAL EXAMINATIONS

(See Examinations)

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 or Bachelor of Science in Educa-
tion 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 nonattendance; 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 acceptable 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 instructor 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 semester, 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 completed. 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 average. 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, and must be on file in 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 chairperson's approval must be on file in the Office of the Registrar prior
35 Academic Policies and Procedures
Southeast Missouri State University 2006-07

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 follow the grade appeals process as outlined in the student day planner. (See the policy on academic honesty for process in cases of alleged academic misconduct and/or grade appeals policy.)

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 students of unmet requirements in time for changes to be made to the semester's enrollment; however, the final responsibility for enrolling in courses which fulfill graduation requirements remains with the student.

Commencement. Attendance at commencement is highly encouraged. Attendance will help to make this important occasion a memorable one. Students who are unable to participate in commencement should notify the Office of the Registrar.

Undergraduate commencement 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 commencement exercise in the semester they expect to complete 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 Summer graduation.

Fee. A fee is charged to cover administrative costs associated with the awarding of the 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 3.0 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 commencement 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; and
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 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 as 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 with fewer than 12 semester hours of college credit 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, after 12 semester hours of college credit, they have earned a cumulative grade point average of 3.25 (or above).

Transfer students with 12 or more semester hours of college credit must have a minimum cumulative college 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.

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 at least 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 about the Honors Program, contact Dr. Craig Roberts, Director of the Honors Program, 902 College Hill, (573) 651-2513 or http://www.semo.edu/honors.

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 ID Services office, near the Information Desk on the 3rd floor of the Uni-
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.

INTERNISHIP
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 fur-
ther 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.

Within majors, there may be Options, Concentrations, Areas of Specialization or Tracks.

**Options.** An Option is a formally designated specialization within an existing major that has distinctive curricular pattern. A preponderance (more than half) of required courses for the option will be taken in a core of courses common to all variations of the existing major. Options will appear on the student's transcript.

**Concentrations.** A Concentration is a specialization within an existing major that is a coherent set of courses designed to provide depth in a particular sub-discipline. Concentrations will not appear on a student's transcript.

**Area of Specialization.** An Area of Specialization is specific to the B.S. in Education for Elementary (1-6) and Middle School (5-9) programs. It fulfills one requirement of the Missouri Department of Elementary and Secondary Education for teacher certification for those programs. An Area of Specialization consists of an approved structured 21 hour (minimum) series of courses in an area appropriate for these teachers. An Area of Specialization will appear on a student's transcript.

**Tracks.** A Track is specific to the degree in Interdisciplinary Studies. A Track consists of at least 12 credit hours and not more than 30 credit hours in specific discipline or area of study. The specific courses that constitute a Track are determined in the contract that the student makes with the School of University Studies. Up to four Tracks may appear on the student's transcript.

**MAXIMUM COURSE CREDIT**

Students may not take more than 55 hours in a department toward the 120 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, the California Critical Thinking Skills Test 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 October 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 parents, 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, email 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, number of hours enrolled in a semester, 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 stu-
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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.

The School of University Studies is located in Kent Library 305, (573)651-2298 and online at http://www.semo.edu/ustudies.

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)

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. Students who expect to receive benefits must certify with the Office of the Registrar each semester of enrollment.
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 32 OVC regular season championships and 12 OVC tournament championships during its first 14 years in the league. Southeast has won seven of the last 11 OVC Women's All Sports trophies.

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

CAMPUS LIFE

www4.semo.edu/campuslife
(573)651-5120

Recreational Sports
Student Recreation Center and
Student Recreation Center South Campus
www4.semo.edu/recsports

The Southeast campus now has two recreation facilities on campus. The Student Recreation Center, located on the north side of campus is a 90,000 square foot facility consisting of a large weight room, cardiovascular equipment area, cardio theatre, six racquetball courts, five basketball or seven volleyball courts, aerobic studio, multipurpose rooms and a climbing wall. The Student Recreation Center South Campus is located south of Houck Stadium and has a large fitness and cardiovascular area featuring cardio theatre, weight equipment, treadmills, exercise bikes and elliptical machines. It also has a suspended jogging track, gymnasium and mat room. All students enrolled in at least one credit hour are eligible to use both facilities. 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 either facility. Faculty, staff, alumni and community members may also purchase memberships. Contact the Recreational Sports office (651-2105) for information about Intramural Sports, Club Sports, camping equipment, Fitness and aerobic classes, personal training as well as reserve the University's athletic and recreational facilities.

University Center
www4.semo.edu/uc

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 the new Center for Student Involvement (CSI), home to 120 student organizations including fraternities and sororities, leadership development programs, the Information Desk, lounge, computer lab, Southeast Bookstore, US Bank, and administrative offices. The Café Court and Skylight Terrace dining areas offer hot and cold entrees, soup and salad bar, grill items, coffee and smoothie bars, and your favorite brands - "Casa Ortega," Chick-Fill-A," and more. Student Government offices are also housed in the UC in addition to a variety of student initiated activities that are planned every year by the Student Activities Council. For more information, contact the University Center at (573) 651-2280.

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 is published and administered by the Office of the Dean of Students. The Dean of Students provides leadership for the following areas: Bootheel Partnership GEAR UP; Center for Health and Counseling including Substance Abuse Prevention and Education (SAPE); Judicial Affairs; Learning Enrichment Center including tutorial services and services for students with disabilities; and, Educational Access Programs including McNair Scholars Program, Minority Student Programs, Project Upward Bound and Student Support Services. The Office of Student Development also provides services for commuter and non-traditional students. The office can be reached by calling (573)651-2263.
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Bootheel Partnership GEAR UP

Gaining Early Awareness and Readiness for Undergraduate Programs

The mission of the Bootheel Partnership (BHP) 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. With funding from the U.S. Department of Education, BHP GEAR UP, hosted by Southwest Missouri State University in cooperation with the Caruthersville, Charleston, and North Pemiscot School Districts as well as the Susanna Wesley Family Learning Center, Pemiscot County Initiative Network and Missouri Department of Higher Education, assists students in the southeast region of the state in aspiring to and preparing for enrollment in post-secondary education. The office can be reached by calling (573)290-5111.

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. Family Nurse Practitioners, 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 counseling, and outreach services. Any currently enrolled student is eligible for all services. Confidential referral services are available. The office can be reached by calling (573)651-2270 or online at www4.semo.edu/chc.

Judicial Affairs

The mission of the Office of Judicial Affairs is to promote concepts of fairness and due process in judicial settings throughout the University community, while striking a balance between community standards and individual behavior through the educational development of students. Judicial Affairs is authorized by the Dean of Students to supervise the judicial system, including the imposition of sanctions upon students found to have violated the Code of Student Conduct. The office can be reached by calling (573)651-2264.

Learning Enrichment Center

The Learning Enrichment Center promotes student learning and success for all students. Professional staff members are available to discuss academic concerns, identify problems and explore options with the general student population as well as with faculty and other professional staff members. Solutions may include peer-facilitated academic assistance, advocacy mediation or academic improvement plans. The Learning Enrichment Center also provides services for students with disabilities, including those services listed above, as well as accommodation coordination, access to some assistive technology, and connection to other resources. Additionally, the Learning Enrichment Center sponsors selected academic learning laboratories, provides workshops and trainings, and coordinates both the University Tutorial Services and Supplemental Instruction programs. The Learning Enrichment Center also serves as a liaison to campus ministries. The office can be reached by calling (573)651-2273.

McNair Scholars Program

The McNair Post-Baccalaureate Achievement Programs are designed to encourage limited-income students and minority undergraduates to consider careers in college teaching as well as prepare for doctoral study. The purpose of the Southeast Missouri State University McNair Scholars Program is to encourage students historically underrepresented in various fields to pursue education through to the doctoral level. The office can be reached by calling (573)986-6117.
Minority Student Programs

The Office of Minority Student Programs seeks to enhance the quality of the educational experience for minority students through programs, services, advocacy, and referral to appropriate resources. The Office of Minority Student Programs is actively involved in the enrollment development functions of the University with respect to the recruitment and retention of minority students. In addition, the Office of Minority Student Programs offers academic support programs, including the Minority Mentor Program and the Peer Mentor Program, as well as 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 Support Services

Student Support Services (SSS) is a federally funded TRIO program designed to increase the college retention and graduation rates of its participants and facilitate the process of transition from one level of higher education to the next. SSS provides opportunities to low income, first generation and/or students with disabilities. The program provides the following: instruction in basic skills; tutorial services; academic, financial and personal counseling; cultural/college visits; information about career options; and leadership and mentoring programs.

Student Development

Student Development serves as liaison to commuter students and adult learners. The Office of Student Development strives to enhance student retention, learning, and satisfaction as well as reach new populations of adult learners throughout the region. Student Development offers special orientation sessions for adult learners and commuter students prior to fall and spring semesters each year. The office can be reached by calling (573)651-2263.

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 Dearmont 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 or by visiting http://www5.semo.edu/dps/
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Parking. Copies of parking and traffic regulations are available in the Department of Public Safety Office.

Shuttle. The Southeast Missouri State University Shuttle Service operates 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.

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 federal, state and institutional need-based aid, a student must complete a Free Application for Federal Student Aid (FAFSA). The FAFSA is available through local high schools or Student Financial Services or can be accessed on-line at www.fafsa.ed.gov. In order to be considered for priority packaging, the FAFSA should be received by the processor by March 1. To meet this deadline, mail or submit your FAFSA electronically by mid-February.

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 information 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. The State of Missouri provides need-based and merit awards primarily through the Charles Gallagher State Grant, Missouri College Guarantee and Bright Flight programs.

Loans. Loan programs administered by the University are the Federal Perkins Loan, the Federal Stafford Loan (subsidized and unsubsidized), and the Federal Parent Loan for Undergraduate Students (PLUS). 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. Job Location and Development offers work opportunities in the community and is administered by Career Services.

Verification. Approximately 30 percent of FAFSA records are selected to be verified. This process requires that the University collect documents (1040 tax forms, W-2 forms, worksheets, etc.) to verify data submitted on the FAFSA. A financial aid record is not considered complete and eligible for aid disbursement until verification has been completed and a revised student aid report is sent electronically to the University from the Department of Education. The last date verification forms or requested documentation will be accepted is the earlier of the last day of the semester or the student's last documented date of attendance for the semester.

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.

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, Millers Analogy Test, or Graduate Management Admission Test. (See the Graduate Bulletin at http://www2.semo.edu/grad-school 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, Mathematics, Science Education.
- **Master of Public Administration**: Public Administration, Community Wellness and Leisure Services.
- **Master of Science**: Criminal Justice, Industrial Management, Nutrition and Exercise Science.
- **Master of Science in Nursing**.
- **Specialist in Education**: Counseling Education; Educational Administration; Educational Leadership Development.

All requests for information or admission materials should be directed to the Vice Provost/Dean of the School of Graduate Studies, 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 identifying, locating, evaluating and using information 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. An additional 16 million volumes of books are available through the statewide MOBIUS consortium. 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 serves 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 by other human development programs on campus. The Center is licensed by the Department of Health and Senior Services, Bureau of Child Care 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 FAULKNER STUDIES sponsors and supports educational, research, and public service projects related to Nobel Prize-winning author William Faulkner, the South, and American and World literature. The Center, a unit of the Department of English and the College of Liberal Arts, was established in 1989 following the University’s acquisition of the internationally acclaimed private collection of Faulkner materials assembled by Louis Daniel Brodsky of St. Louis. In addition to serving students and visiting scholars on campus, the Center assists Faulkner readers and researchers around the world through its website.

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, anthropol-
ology, archaeology, and folklore, as well as other fields.

The **INSTITUTE OF GERONTOLOGY** was established in 1990, 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; Communication Disorders; Health, Human Performance & Physical Education; Human Environmental Studies; and Psychology.

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 (NASA ERC); 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.

**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 Floor, 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 parent(s) or legal guardians in the Cape Girardeau area, over 21, married, have dependent children, have 57 degree credit hours, or a veteran.

Information on residential options and residency requirements may be obtained from the Office of Residence Life, located in Towers Complex, or by calling (573) 651-2274.

**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.

**Southeast Online Programs**

Southeast Online Programs provides web-based and blended (i.e., web-enhanced; a mixture
of some web-based class sessions and some face-to-face or ITV sessions) courses to students locally and at a distance. Instruction, assignments, class discussions - all facets of a high quality class - are a part of the online learning experience. Students can complete degrees in General Studies, Organizational Administration, or Industrial Technology. A Master's Degree in Business Administration and an Alternative Teaching Certificate are also available online. Over 120 courses are offered each semester in a wide variety of disciplines including business, psychology, technology, communications, criminal justice, and many more.

Southeast Online Programs is located on the third floor of Kent Library, Room 305B, and online at http://online.semo.edu.

Testing Services

Testing Services offers numerous examinations including national exams, institutional exams and individual tests. National exams include the Subject Matter Graduate Record Exam (GRE), the Miller Analogy Exam (MAT), the ACT, the PRAXIS and GED Exams. Testing Services also supports the individual testing needs of students who have authorized accommodations from the Learning Enrichment Center. Students and other community members can make testing arrangements for correspondence exams and for various subjects in the College Level Examination Program (CLEP).

Writing Outcomes Program

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 to 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 Online Writing Lab, http://www.semo.edu/ustudies/writing.htm). The Writing Center is located on the fourth level of Kent Library, Room 412.

The Writing Assessment Program provides individual and institutional assessment of the teaching and learning of writing. Through a series of exams, the program provides students with formative and summative feedback on their writing skills, and in conjunction with the Writing Center, support for the further development of those skills. In addition, the Writing Assessment Program provides faculty with assessment of and support for improving the teaching of writing skills in all disciplines.

STUDENT TRANSITIONS

The Office of Student Transitions coordinates the University's efforts to assist students at important transition points in their academic careers at Southeast, from immediately after admission to the University until post-graduation. Personnel in the unit provide programming to help students get oriented, get connected, and subsequently get settled by connecting academic planning and career planning through a series of developmental career proficiency checks. Transitions professionals counsel students on possible majors that would allow them to maximize their talents, abilities, and interests, and work with academic advisors as students declare, enter, and progress through academic programs. Other professionals connect students with employers in pre-professional practice and also help students further their post-graduation plans, whether for graduate school or to enter the workforce. Contact the office at (573)651-2579 or visit Memorial Hall room 210 for additional information.

New Student Programs

The Office of 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 Transfer Orientation programs. Office personnel also cooperate with partners in International Student Programs to coordinate testing and enrollment procedures for international students. In addition to these activities, New Student Programs professionals work with the Director of Student
Transitions and First-Year Experience Programs to obtain information regarding assessment and retention of new students. For additional information, contact the office at (573)651-5166 or stop by the office in Memorial Hall Room 211.

First-Year Experience Program
The First-Year Experience Program, housed in Memorial Hall Room 210, is responsible for academic and orientation programs that serve new students. These responsibilities include administration of the First-Year Seminar, UI 100, a required, 3-credit, interdisciplinary, theme-based introduction to the University Studies Program. Office personnel provide faculty development support for seminar instructors, collaborate with Admissions, New Student Programs, Residence Life, Student Financial Services, Student Development, among numerous other offices to provide students the support needed to make their first year at Southeast a successful experience. Call (573)651-2579 for further details about the program.

Career Linkages
Students and other patrons seeking career assistance can come to the office on the second floor of the University Center or call (573)651-2583. Career Linkages services include computerized career exploration, career advising to assist with choosing a major or career field, resume/cover letter review, job search and interviewing assistance, mock interviews, a career resources library, and trained personnel to respond to career-related inquiries. Career Linkages provides information about career events and on-campus interviews, job postings, internship/practica opportunities, access to computerized career guidance systems (e.g., FOCUS), and much more. Readers may contact the office for assistance on any matter related to connecting academic and career planning. Staff professionals also work with academic program leaders on experiential learning programs, both locally and in the greater St. Louis area, to provide students coordinated and carefully planned pre-professional practice opportunities in their fields of study. Additionally, thanks to a unique and dynamic partnership with Missouri’s Division of Workforce Development, students may contact Career Linkages counselors in offices strategically located in or near academic advising centers in the various schools and colleges. Call (573)651-2583 for details and to make appointments to see any of the Career Linkages personnel.

STUDY ABROAD PROGRAMS
Semester and yearlong study abroad programs and short-term opportunities are available through the Office of International Programs, Harrison College of Business and the Colleges of Education and Liberal Arts. 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 in identifying programs best suited to their needs.

UNIVERSITY DINING SERVICES
University Dining Services, operated by Chartwells, provides quality food through the Towers residence hall dining center, retail operations including the Skylight Terrace and Café Court in the University Center (featuring Tuscan Oven, Chick-Fil-A, Casa Ortega and Columbo Frozen Yogurt), Rowdy’s in the Towers Complex, Scully Café, The Beanery, the Kent Library Coffee-Cart and a full-service catering operation. Dining Services is available for faculty, staff, students, student groups and the Cape Girardeau community. Added value dollars called Redbucks may be purchased through Chartwells for use in any campus dining or retail facility operated by Chartwells.
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-Thursday, 8:00 am - 7:00 pm and Friday, 8:00 a.m.-5:00 p.m. Students interested in attending Southeast should contact the Office of Admissions, Academic Hall, Room 256, (573) 651-2590.
College Information
DONALD L. HARRISON COLLEGE OF BUSINESS
Gerald S. McDougall, 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

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 develop a foundation for life-long learning necessary for continued success and personal growth.
- "To provide minors and other course work to complement the University's curriculum.
- "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: Joseph Wen

Faculty: Deborah Beard, Tracy Bundy, Sean Eom, Pam Gershuny, Eleanor Henry, Lisa Huang, LaVonne Huter, Gary Johnson, Mary Virginia Johnson, Rebecca Lohmann, Diane Pettypool, Carolyn Rainey, Dana Schwieger, Regina Smart, Chellappa Somarajan, Anthony Varnon, Jill Young

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 Administrative Systems 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.Ed)

MINORS: Accounting
Administrative Systems Management

CERTIFICATE: Two-year Administrative Assistant

**ECONOMICS AND FINANCE**

Chairperson: Rebecca Summary
Faculty: Michael Devaney, Bruce Domazlicky,
Benjamin Dow, Brian Gehring, Peter Kerr,
David Kunz, Kang Hoon Park, Diane
Primont, Willie Redmond, 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.

Students have experiential learning opportunities in addition to traditional internships. Economics majors have the opportunity to work with faculty on research projects that result in professional presentations and publications. Finance majors may choose coursework that allows them to participate in the management of a portfolio worth over $600,000. Student organizations include Omicron Delta Epsilon, the national honorary society in economics, and the Accounting and Finance Club which partners with the FMA Student Chapter in fostering interaction among students, faculty, alumni, and other professionals.

MAJORS: Economics (B.S.)
Economics (B.S.B.A.)
Options: Business Economics
Financial Economics

MINORS: Economics
Finance

**INTERNATIONAL STUDIES IN BUSINESS**

Director: Dr. Peter Gordon

The office of International Business Programs (IBP) is responsible for the international academic programs sponsored by the Harrison College of Business. IBP supports a wide variety of international experiences open to all majors and minors, including short-term, and semester long programs.

Short term programs are scheduled between the fall and spring semesters, over spring break, and during the summer. Partial and full semester study abroad opportunities and summer programs are available at a number of institutions in Europe and other locations with students paying only Southeast fees. 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. Also, the director of IBP administers the major and minor in international business.

MAJOR: International Business (B.S.B.A.)
MINOR: International Business
MANAGEMENT AND MARKETING

Chairperson: Judy Wiles
Faculty: Steven Byrd, John Cherry, Kevin Dickson, Peter Gordon, Kenneth Heischmidt, Scott Johnson, Patricia Karathanos, Ismatilla Mardanov, James Ricks, David K. Smith, Jr., Jack Sterrett, Stanley Stough, Scott Thorne

The study of management and marketing is critical to business success. The aim of management is to ensure the organization is responsive to internal and external stakeholders. Management majors study the many faceted tasks of managers, including planning, organizing, staffing, directing and controlling. Marketing involves a set of processes for creating, communicating, and delivering value to customers and for managing customer relationships in ways that benefit the organization and its stakeholders.

The department coordinates the majors of management, marketing and organizational administration. Majors from this department are prepared for entry-level management positions in both profit and not-for-profit organizations. Students selecting to major in Management concentrate in one of two options: Organizational Leadership (focuses on understanding effective leadership and team performance) and Human Resource Management (focuses on activities associated with acquiring, maintaining and developing an organization's human resources). Students choosing to major in Marketing concentrate in either Marketing Management or Integrated Marketing Communications. The Marketing Management option encompasses the breadth and diversity of marketing management activities. The option in Integrated Marketing Communications focuses on the management of developing effective integrated marketing communication strategies including techniques in advertising, professional selling, promotions, publicity and direct marketing.

The Organizational Administration major is designed to provide a comprehensive understanding of the business process. Students completing this major will be prepared for positions that require a sound grasp of management and marketing principles, an appreciation for the economic environment of business, the ability to understand and use accounting and financial information, and understand the need for teamwork and leadership. This major accommodates business majors who need to take their courses online.

The department administers several minors, including those closely related to majors in Marketing and Management and two minors representing the broad discipline of business: the Entrepreneurship/Small Business Management minor and the Business Administration minor. The Entrepreneurship/Small Business Management minor focuses on the study of new venture development and effective small business management. The minor in Business Administration is designed for non-business majors who want to be better prepared for entry positions in business related to his/her major or to continue study in business at the graduate level.

The curriculum and instruction are designed to provide practical and professional experiences to students. Students have opportunities to work with actual businesses in select classes and complete an internship. Students also have opportunities to participate in our active student organizations: Delta Epsilon Chi/The Marketing Club and the Society for Human Resource Management. Activities by these organizations integrate and enhance the student's curriculum.

The department faculty have extensive teaching experience and regularly engage in scholarly research. The faculty are highly involved in providing service to the professional community at the local, regional and national levels.

MAJORS:
- Management (B.S.B.A.)
  - Options: Organizational Leadership
  - Human Resource Management
  - Marketing (B.S.B.A.)
  - Options: Marketing Management
  - Integrated Marketing Communications
  - Organizational Administration (B.S.B.A.)

MINORS:
- Business Administration
- Entrepreneurship/Small Business Management
- Human Resource Management
- Management
Marketing: Integrated Marketing Communications
Marketing: Marketing Management
Marketing: Retail Management
Marketing: Sales Management

COLLEGE OF EDUCATION

I. Sue Shepard, 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 degrees in Educational Administration and Counseling Education are also the responsibility of this college. The cooperative doctoral program in Educational Leadership is provided through shared coursework, instruction and research oversight with the University of Missouri-Columbia.

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 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.

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 have participated with ten other universities in a five-year National Teacher Work Sampling project of the United States Office of Education. Faculty and students from the college participate in another multi-university project, CARE: Children at Risk in Education. This project, involving students and faculty from three United States and three European institutions, is made possible through a grant from the Fund for the Improvement of Postsecondary Education (FIPSE) that proposes, among several important objectives, to develop a global curriculum for working with underachieving children; identify good practice in the development of international education; and enable young teachers to understand underachievement in a global context.

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;
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- Missouri Assessment Program Center;
- Portfolio assessment;
- National assessment of all earned degree graduates in teaching and education administration.

EDUCATIONAL ADMINISTRATION AND COUNSELING
Chairperson: Zaidy MohdZain (Interim)

The Department of Educational Administration and Counseling offers primarily graduate course work. See Graduate Bulletin for available programs.

ELEMENTARY, EARLY, AND SPECIAL EDUCATION
Chairperson: Gale McMahan (Interim)
Faculty: Kathleen Conway, Annetta Crawford, Sharon Dees, Jeanine Dobbins, JoAnne Dunham-Trautwein, Velma Gammon, Ann Gifford, Cynthia Gordinier, Tahsin Khalid, Gayla Kolb, Dixie McCallum, Beverly Petch-Hogan, Julie Ray, Susan Reinagel, Doris Shands, Min Zou

Dual Appointment Faculty: Reba Barkely

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 program is a dual certification program: cross-categorical (K-12) and elementary education (grades 1-6). 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: Alberta Dougan (Interim)
Faculty: Jean Benton, Simin Cwick, Mary Ann DeLine, Alberta Sutterer, Mary Harriet Talbut

Content Area Representatives: David Baird, Sam Bishop, Sonja Davis, Katherine Gilliland, Carol McDowell, Tamela Randolph, Dennis Seyer, David Smallwood, Candide Walton, Margaret Waterman, Patricia Yancey

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 (Birth-12). 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. In addition, the department manages an extensive state approved Alternative Certification program.

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 Missouri State Teachers Association (SMSTA), Missouri National Education Association (MNEA), Student International Reading Association, Student World Council for Curriculum and Instruction (SWCCT), Student NCA, and Association for Supervision and Curriculum Development (ASCD).

MAJORS (B.S.Ed.) MUST BE CHOSEN FROM:
- Art Education (K-12)
- Biology Education (9-12) Physical Education (K-12)
- Business Education (9-12) Physics Education (9-12)
- Chemistry Education (9-12) Social Studies (9-12)
- English Education (9-12) Spanish Education (K-12)
- Family/Consumer Sci Ed (0-12) Speech & Theatre Ed (9-12)
- French Education (K-12) Unified Science-Biology (9-12)
- German Education (K-12) Unified Science-Chemistry (9-12)
- Industrial Education (9-12)
- Mathematics Education (9-12)
- Unified Science-Physics (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
Department of Human Environmental Studies
Department of Nursing
Department of Social Work

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 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, uni-
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versity, 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 Kevin Colyott

One of four such Air Force ROTC programs in Missouri, Aerospace Studies is a voluntary course leading to a commission as an officer in the United States Air Force. Students not pursuing a commission are also welcome to take the classes. The program is divided into four courses covering an introduction to the US Air Force, Air Force history, leadership and management, national security affairs and preparation for active duty. Air Force ROTC can be accomplished in one, two, three and four year programs and a number of scholarships are available for qualified applicants.

MINOR: Aerospace Studies

COMMUNICATION DISORDERS
Chairperson: Sakina S. Drummond

Faculty: Martha J. Cook, Jane Edwards, Marcia Brown Haims, Jayanti Ray, 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 Council on Academic Accreditation of 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: Michael Brown, Andy Fulkerson, Peter Hirschburg, Arrick Jackson, Linda Keena, Agatha Nnazor, Carol 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 minors in Sociology and Criminology.

The Department is recognized for its sponsorship of national and regional meetings and its scholarly activity.
### MAJORS:
- Criminal Justice (B.S.)
- Options: Corrections
- Law Enforcement
- Security Management

### MINORS:
- Criminal Justice
- Criminology
- Social Rehabilitation and Treatment
- Sociology

#### HEALTH, HUMAN PERFORMANCE, AND RECREATION

**Chairperson:** Joseph Pujol  
**Faculty:** Jeremy Barnes, Beth Easter, Craig Elder, Beverly Evans, Kathy Gilliland, Thomas Holman, Mark Langenfeld, Ed Leoni, Barry Nicholson, Tim Rademaker, Amanda Sinclair, Seido Sofo.

The Department of Health, Human Performance, and Recreation offers a variety of programs that prepare professionals to make an impact on health and wellness throughout the lifespan. Programs address quality of life, health and fitness, 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 well-equipped exercise physiology and athletic training laboratories to support experiential learning activities. The Athletic Training Education, Physical Education and Recreation programs are fully accredited. The Sport Management major has received program approval from the Sport Management Program Review Council.

#### MAJORS:
- Health Management (B.S.)
- Options: Athletic Training
- Exercise Science
- Health Promotion
- Physical Education (B.S.Ed.)
- Recreation (B.S.)
- Sport Management (B.S.)

#### MINORS:
- Coaching
- Fitness and Exercise Science
- Health Promotion
- Outdoor Adventure Leadership
- Recreation
- Sport Management

#### PRE-PROFESSIONAL PROGRAM:
- Pre-Physical Therapy

#### HUMAN ENVIRONMENTAL STUDIES

**Chairperson:** Paula R. King  
**Faculty:** Mary E. Ambery, Jennifer Baumgartner, Shelba Branscum, Michelle Brune, Deborah Cohen, Amy Freshwater, Sara Garner, Anne Marietta, Marcia Nelms, Sharro Shaiafe, Carol Stuh, Georganne Syler, Rachel Thomson, Patricia Yancey.

The mission of the Department of Human Environmental Studies is to improve the quality of life of individuals and families through courses, career-focused degree programs and service projects that address human needs for food, clothing, shelter and interpersonal relationships. The department is committed to an interdisciplinary model of education and performance. Cooperating programs emphasizing early childhood and gerontology are available for interested students. All programs include student involvement with model facilities. The Associate's degree in Child Care and Guidance was the first such program offered in Missouri.

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 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.
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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, EDUCARE, Childcare Resource and Referral, School Aged Child Care, Senior Learning Program, SAVVY, APPLE, and the Horizon Day Care Program.

**MAJORS:**

- Hospitality Management (B.S.)
- Human Environmental Studies (B.S.)
- Options: Child Development
  - Dietetics
  - Family Studies
  - Fashion Merchandising
  - Housing and Interior Design
  - Family and Consumer Sciences Education (B.S.Ed.)
- Child Care and Guidance (A.A.)

**MINORS:**

- Child Life Services
- Child Studies
- Family Economics & Management
- Family Studies
- Fashion Merchandising
- Gerontology
- Hospitality Management
- Interior Design
- Nutrition

**NURSING**

Chairperson: Gloria Green (Interim)

Faculty: Janet Adams, Twila Brown, Linda Bugle, Kathryn Farwell, Kathy Ham, Linda Heitman, Elaine Jackson, Lisa Job, Brenda Johnson, Cheryl Kieffer, 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 approved by the Missouri State Board of Nursing and accredited by 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 baccalaureate completion (RN to BSN) track for registered nurses desiring a Bachelor of Science in Nursing. 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. The MSN includes Family Nurse Practitioner, Adult Health Clinical Nursing Specialist/Care Manager 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, and 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, Priscilla Hornby, Walter Paquin, Tiffany Parker, Robert Polack, 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 education 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

Chris McGowan, Interim Dean
Gary Miller, Associate 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
School of Visual and Performing Arts

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 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 lifelong 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 design, video production, journalism, historic preservation, music education, or theatre, may lead to employment upon graduation from the baccalaureate curriculum. Other majors, like communication studies, English, French, German, history, music, philosophy, political science, psychology, or Spanish 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 as well as our own.
- 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, Benjie Heu, Mary Morrell, Sarah A. Riley, Paul Schock, Edwin Smith, Katherine Ellinger 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 foundation curriculum and upon successful 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 two works every year in the Juried Student Assessment Exhibition and to complete the senior B.F.A. project.

**MAJOR:** Art (B.A., B.F.A., B.S.Ed.)

**MINOR:** Art/Art History

**COMMUNICATION**
Chairperson: Stuart Towns
Faculty: Tamara Baldwin, James Dufek, Susan Gonders, Anthony Hicks, Karie Hollerbach, Fred Jones, Don Jung, Roy Keller, Karen Kight, Bruce Mims, Jennifer Summary, Larry Underberg, Michael Weatherson, Roseanna Whitlow, Glen Williams, Cindie Jeter Yanow, Tamara Zellars Buck

The Department of Communication offers programs in Mass Communication, Communication Studies and Corporate Communications. The Mass Communication program has a general core of study and options in Advertising, Journalism, Public Relations, Radio and Video Production within the traditional framework of the liberal arts. The Mass Communication options are professional and are nationally accredited by the Accrediting Council for Education in Journalism and Mass Communication. These five professional study options help equip students for careers in the mass media or support industries of advertising and public relations. There is also a minor in Mass Communication.

Students interested in Communication Studies or Corporate Communication 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 students 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 weekly student newspaper, the CAPHA ARROW; a closed-circuit television channel; a department operated low power FM station, KDMC 103.7; and the video production facility.

**MAJORS:** Communication Studies (B.A.)
Corporate Communication (B.S.)
Mass Communication: Journalism (B.A.)

**Options:** Advertising
Public Relations
Radio
Video Production

**MINORS:** Communication for Legal Professionals
Communication Studies
Mass Communication
ENGLISH
Chairperson: Carol Scates
Faculty: Roger Arpin, John Campbell, Karen Garcia, Stephanie Chamberlain, Sonja Davis, Peter Froehlich, Jacob Gaskins, Robert Hamblin, Dale Haskell, Harvey Hecht, Michael Hogan, Dean Monahan, Shiela Pardee, Adelaide Parsons, Pennie Pflueger, Debrah Raschke, David Reinheimer, 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.

MAJORS: English (B.A.)
Options: Literature
Writing
English (B.S.Ed.)

MINORS: Literature
Small Press Publishing
TESOL
Writing

FOREIGN LANGUAGES AND ANTHROPOLOGY
Chairperson: Dieter Jedan
Faculty: Beth Adkins, Warren Anderson, Leon Book, Gabriele Eckart, Kathleen Gallivan, Debra Lee-DiStefano, Daniel MacLeay, Carol Morrow, Michael Roark, David Smallwood, Alice Strange

The Department of Foreign Languages and Anthropology offers major and minor programs in Anthropology, French, German, and Spanish, as well as minor programs in Archaeology and Geography. 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 majors and Archaeology minors 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 minor emphasizes both cultural and political aspects of the world, providing students with a better understanding of the physical world and its inhabitants. The minor 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 business, land use planning, law and medicine.

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

MINORS: Anthropology
Archaeology
French
Geography
German
Spanish

HISTORY
Chairperson: James W. Ermatinger
Faculty: David Briggs, J. David Cameron, Eric L. Clements, Dalton Curtis, Larry Easley, Steven Hoffman, Frank Nickell, Joel Rhodes, Christopher Schnell, Bonita Stepenoff, 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 and is the advising
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Department for the B.S. in Education-Social Studies.

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

MINORS:
- Historic Preservation
- History

MUSIC
Chairperson: Gary Miller
Faculty: Barry Bernhardt, Brandon Christensen, Robert Conger, Michael Dean, Sara Edgerton, Johnson Egbert, Robert Fruehwald, Marc Fulgham, Christopher Goek, Steven Hendricks, Leslie Jones, Carol McDowell, Shane Mizicko, Jeffrey Noonan, James Sifferman, Paul Thompson, Matthew Yount

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 for students who wish to perform professionally; 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. A performance audition before applied music faculty of the appropriate area is required. 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

MINOR:
- Music

POLITICAL SCIENCE, PHILOSOPHY AND RELIGION
Chairperson: Hamner Hill
Faculty: Richard Almeida, Rickert Althaus, Gary Cesarz, Mitchel Gerber, Bruce Hanebrink, Albert Hayward, Debra Holzhauer, Tomoaki Nomi, Russell Renka, Bambi Robinson, Brian Smentkowski, 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 do 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 government, 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.

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

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

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**PSYCHOLOGY**

Chairperson: Richard A. Burns
Faculty: Douglas Atwood, 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
Psychology: Applied
Psychology: Developmental
Psychology: General
Psychology: Psychological Services

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**THEATRE AND DANCE**

Chairperson: Kenneth Weller-Stilson
Faculty: Robert W. Dillon, Jr., Judith Farris, Gil McNaughton, Philip Nacy, Hilary Peterson, Kari Schroeder, Dennis C. Seyer, Marc Strauss, Rhonda Weller-Stilson

Opportunities for experiential learning abound as most courses in the curriculum emphasize hands-on instruction. Theatre and dance offerings include a variety of sequential courses in acting, choreography, dance, design, directing, musical theatre, technical theatre, and dance and theatre history and literature. Each year, the department produces six major, faculty-directed/choreographed productions, resulting in ample opportunity for students to gain technical and performance experience in the Forrest H. Rose theatre, a fully equipped professional facility. The Department of Theatre & Dance 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.” Finally, the department regularly incorporates outside professional companies and
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guest artists into its normal on-campus programming, and it strongly emphasizes student professional development through outside internships, masterclasses, conventions, festivals, and semester-long employment.

**MAJORS:** Performing Arts (B.F.A.)
- Acting/Directing
- Dance
- Design/Technology
- Musical Theatre
- Speech & Theatre Education (B.S.Ed.)
- Theatre & Dance (B.A.)

**MINORS:**
- Dance
- Theatre: Acting/Directing
- Technical Theatre
- Theatre (General)

**COLLEGE OF SCIENCE AND MATHEMATICS**

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

The College of Science and Mathematics offers high-quality programs of instruction in the physical and natural sciences, computer sciences, environmental science, and science education. The program in chemistry is certified by the American Chemical Society (ACS) and the one in Physics and Engineering Physics has been accredited by the Accreditation Board of Engineering Technology (ABET). 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 Center for Environmental Analysis and the Applied Statistics Center.

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.
- To enhance access throughout the service region.
- To provide service to the region and enhance the University community.
- To promote international exchange of faculty and students.
- To promote diversity in terms of students and faculty.

**BIOLOGY**

*Chairperson: William Eddleman*

**Faculty:** Allan Bornstein, James Champine,
- Christina Frazier, Allen Gathman,
- Frederick Janzow, Alan Journet, Timothy Judd, John Kraemer, Mark Langenfeld,
- Walt Lilly, Stephen Overmann, John Scheibe, David Starrett, Lucinda Swatzell,
- Margaret Waterman, Diane Wood

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, Student Chapter of the Wildlife Society, and Tri-Beta, the biology honorary society, are supported by the Department.

**MAJORS:**
- Biology (B.S.)
  - Options: Biomedical Sciences, General Biology, Microbiology, Cellular and Molecular Biology and Biotechnology, Organismal, Ecological, and Evolutionary Biology, Wildlife and Conservation

**MINORS:**
- Biology Education (B.S.Ed.)
- 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, Matthew Fasnacht, Bruce Hathaway, James W. McGill, Chris McGowan, Bjorn Olesen, 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 Southeast Missouri 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.)
  - Options: Chemistry, DNA Analysis, Forensic Science
- Chemistry (B.S.)
  - Options: American Chemical Society Certified Chemistry, Biochemistry, Business Chemistry, Forensic Chemistry, Chemistry Education (B.S.Ed.), Medical Technology (B.S.Ed.)

**MINOR:**
- Chemistry

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

**COMPUTER SCIENCE**

Chairperson: Kamayasamy Surendran
Faculty: Ziping Liu, David Naugler, Carole Pfeiffer, 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. Minors in Computer and Science and Information Systems are 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:  Computer Information Systems  (B.S.)  
         Computer Science (B.S.)  
MINORS:  Computer Science  
         Information Systems  

ENVIRONMENTAL SCIENCE  
Stephen Overmann, Director  
Content Area Representatives: Michael Aide,  
Mohammed Ali, Allen Bornstein, James  
Champine, Philip Crawford, Gary Cwick,  
William Eddleman, Matthew Fasnacht,  
Christina Frazier, Hamner Hill, Debra  
Holzhauer, Alan Journet, Tahsin Khalid,  
John Kraemer, Chris McGowan, David  
Starrett, Bonnie Stepennof, John Tansil,  
William Weber, Diane Wood, Robert Zeller  

Environmental Science is an inter-departmen- 
tal 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 environ- 
mental issues.  

Assurance of a quality environment for our- 
selves 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 organiza- 
tions at all levels have mobilized to meet these  
environmental challenges. Correspondingly, there  
is a societal need for personnel specifically edu- 
cated and trained to act as leaders in efforts to  
address and resolve these difficult environmental  
issues.  

The primary goal of the Environmental Sci- 
cence 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 place- 
ment 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.)  
MINORS:  Environmental Science  
         Environmental Studies  

MATHMATICS  
Chairperson: Victor Gummersheimer  
Faculty: James Bruening, W. Y. Chan, Paul  
Deiermann, Richard Francis, Sunshine  
Gibbons, Tamela Hanebrink, Imad Khamis,  
Avelina Lichtenegger, Cheryl McAllister,  
Timothy Ray, Craig Roberts, Sharon  
Schwarz, Robert Sheets, Pradeep Singh,  
Stuart Swope, Linda Tansil, Mohan Tikoo,  
Thomas Wallgren, Candide Walton, Haohao  
Wang, Thomas Wenczewicz, Jerzy Wojdylo  

The Department of Mathematics is supported  
by a computer laboratory and the Mathematics  
Learning Center. It offers a program in develop- 
mental mathematics to students with deficiencies  
in their preparation for college-level work. Inde- 
pendent investigations in mathematics are strongly  
encouraged by the faculty. In addition to its aca- 
demic 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  
MINORS:  Mathematics  

PHYSICS & ENGINEERING  

PHYSICS  
Chairperson: David Probst  
Faculty: Michael Aide, Michael Cobb, Gary Cwick,  
Jai Dahiyia, Margaret Hill, Ernest Kern,  
Bijan Pashaie, Jian Peng, John Tansil  

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. The Bachelor of  
Science degree in Engineering Physics is accred- 
ited by the Engineering Accreditation Commission  
(EAC) of the Accreditation Board for Engineering  
and Technology (ABET) (111 Market Place, Suite
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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). 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 offers minors in Engineering Physics, Environmental Soil Science, Physics and Geoscience, and 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 and Engineering
Physics (B.S.)
Physics Education (B.S.Ed.)

MINORS: Engineering Physics
Environmental Soil Science
Geoscience
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 Farms, Rice Research Station and the new Charles L. Hutson Agriculture 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-oriented 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 industries in the area.

AGRICULTURE
Chairperson: Wesley Mueller
Faculty: Donn Beighley, Indi Braden, Kim Dillivan, William Ellis, James McRimmon, Steven Millett, Erin Venable

The Department of Agriculture's teaching laboratories are supported by the 410-acre University demonstration farm, the new 252-acre demonstration farm, the Charles L. Hutson Agricultural Greenhouses, Rice Research Station and the All-America Selections Display Garden. An internship or undergraduate research project is required. The Department places a priority on interaction with students outside the classroom in experiential learning settings. Student groups, including the Agriculture Club, the Horticulture Club, Golf Course Superintendents Association of America Club, the Pre-Veterinary Medicine Club, Delta Tau Alpha (national agriculture honorary society), and a Collegiate Farm Bureau chapter are actively supported.

MAJORS: Agribusiness (B.S.)
Options: Agriculture Industry
Animal Science
Horticulture
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, Doug Koch, Kevin McMeel, Chenggang Mei, Sophia Scott, Randall Shaw, Luke Steinke, Shaojun Wang, Shuju Wu

The Department of Industrial & Engineering Technology's Industrial Technology major is 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 degree in Industrial Management.

MAJORS: Engineering Technology (B.S.)
Options: Electrical & Control Manufacturing Systems
Industrial Technology (B.S.)
Options: Construction Management & Design
Industrial Management
Technical Graphics
Technology
Telecommunications and Computer Networking
Industrial Education (B.S.Ed.)
Computer Technology (A.A.S.)

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

TWO YEAR CERTIFICATES:
Design Drafting
Electronics
Graphic Technology

PRE-PROFESSIONAL PROGRAM:
Pre-Architecture
SCHOOL OF UNIVERSITY STUDIES
David Starrett, Dean

Center for Scholarship in Teaching and Learning
Honors Program
Southeast Online Programs
Testing Services
University Studies Advising Center
Writing Outcomes Program

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.
- Demonstrate the ability to make informed, sensitive aesthetic responses.
- Demonstrate the ability to function responsibly in one's natural, social and political environment.

The University Studies program consists of a total of 48 hours, including the
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)
AR 108 Drawing in Society (3)
AR 111 Ceramics: A Metaphor for Understanding Human Experience (3)
AR 112 Perspectives in Art (3)
DA 100 Dance Appreciation (3)
FL 205 Art of French Cinema (3)
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<th>Credit Hours</th>
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<td>LI 205</td>
<td>The Art of Film</td>
<td>3</td>
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<tr>
<td>MM 101</td>
<td>Theories of Music in Culture</td>
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</tr>
<tr>
<td>MU 181</td>
<td>Musical Encounters</td>
<td>3</td>
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<tr>
<td>MU 182</td>
<td>Music: An Artistic Expression</td>
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<td>MU 190</td>
<td>Jazz Appreciation</td>
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<td>PL 203</td>
<td>Aesthetics &amp; the Arts</td>
<td>3</td>
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<td>TG 284</td>
<td>Photography Fundamentals</td>
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<td>TH 100</td>
<td>Theatre Appreciation</td>
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<td>LI 220</td>
<td>Fiction &amp; the Human Experience</td>
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<td>LI 221</td>
<td>Poetry &amp; the Human Experience</td>
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<td>LI 222</td>
<td>Mythic Dimensions of Literature</td>
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<td>LI 243</td>
<td>Children's Literature</td>
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<td>LI 250</td>
<td>World English Literature</td>
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<tr>
<td>LI 256</td>
<td>The Variety of Literature</td>
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<tr>
<td>MH 252</td>
<td>The Evolution of Musical Style Since 1827</td>
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<td>PL 110</td>
<td>Readings in Philosophy</td>
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<td>RS 201</td>
<td>New Testament Literature</td>
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<tr>
<td>RS 202</td>
<td>Old Testament Literature</td>
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<td>SN 220</td>
<td>Hispanic Literature</td>
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<td>AN 100</td>
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<td>HL 120</td>
<td>Health Perspectives</td>
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<td>PL 204</td>
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<td>Biology for Living</td>
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<td>BS 218</td>
<td>Biol Science: Process Approach</td>
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<td>FN 235</td>
<td>Nutrition for Health</td>
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<tr>
<td>MA 118</td>
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**Physical Systems (Choose ONE Course)**

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<tr>
<td>CH 180</td>
<td>Chemistry in Our World</td>
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<td>CH 181</td>
<td>Basic Principles of Chemistry</td>
<td>5</td>
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<tr>
<td>CH 185</td>
<td>General Chemistry I</td>
<td>3</td>
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<tr>
<td>GO 150</td>
<td>Earth Science: Envir Hazards</td>
<td>3</td>
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<tr>
<td>PH 106</td>
<td>Physical Concepts</td>
<td>3</td>
</tr>
<tr>
<td>PH 109</td>
<td>Exploring the Universe</td>
<td>3</td>
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<tr>
<td>PH 120</td>
<td>Introductory Physics I</td>
<td>3</td>
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<tr>
<td>PH 218</td>
<td>Physical Science: A Process Approach</td>
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**PERSPECTIVES ON HUMAN INSTITUTIONS**

**Development of a Major Civilization**

(Choose ONE Course)

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<td>GG 170</td>
<td>European Peoples &amp; Civilization</td>
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<tr>
<td>GH 100</td>
<td>African Civilization</td>
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<td>GH 110</td>
<td>Chinese Civilization</td>
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<td>GH 115</td>
<td>Ancient Greece &amp; Rome (3)</td>
<td>UI 308</td>
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<td>GH 125</td>
<td>Islamic Civilization (3)</td>
<td>UI 309</td>
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<td>GH 130</td>
<td>Latin American Civilization (3)</td>
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<td>US 105</td>
<td>American History I (3)</td>
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<td>American History II (3)</td>
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<td>UI 315</td>
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<td>WH 103</td>
<td>Modern European Civ (3)</td>
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<td>Economic Systems (Choose ONE Course)</td>
<td>AG 201</td>
<td>World Food &amp; Society (3)</td>
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<td>EC 101</td>
<td>Economic Problems &amp; Policies (3)</td>
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<td>EC 215</td>
<td>Principles of Microeconomics (3)</td>
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<td>FE 200</td>
<td>Family Resource Management (3)</td>
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<td>MN 220</td>
<td>Engineering Economic Analysis (3)</td>
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<td>Political Systems (Choose ONE Course)</td>
<td>PS 103</td>
<td>United States Political Systems (3)</td>
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<td>PS 104</td>
<td>Comparative Political Systems (3)</td>
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<td>Observing Other Cultures (3)</td>
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<td>CD 110</td>
<td>Language &amp; Culture of the Deaf (3)</td>
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<td>Mass Communication &amp; Society (3)</td>
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<td>Sport &amp; Society (3)</td>
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<td>Society, Culture, &amp; Social Behavior (3)</td>
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<tr>
<td>THEME: Integration of Knowledge: Living in an Interdependent Universe</td>
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<td>300 Level Interdisciplinary Courses</td>
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<td>(Choose TWO Courses)</td>
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<td>IU 301</td>
<td>Historical Perspective: American Agriculture (3)</td>
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<td>IU 300</td>
<td>Drugs &amp; Behavior (3)</td>
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<td>IU 301</td>
<td>Managerial Communication Processes (3)</td>
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<td>IU 303</td>
<td>The Female Experience (3)</td>
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<td>IU 304</td>
<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 378</td>
<td>Physics of Star Trek (3)</td>
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<td>UI 382</td>
<td>History and Philosophy of American Mass Media (3)</td>
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<td>UI 384</td>
<td>Musical Theatre: From Origins to the Present (3)</td>
<td>UI 425</td>
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<td>UI 386</td>
<td>Environmental Health (3)</td>
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<td>UI 387</td>
<td>Environmental Law and Public Policy (3)</td>
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<td>UI 390</td>
<td>The Film Musical (3)</td>
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<td>UI 392</td>
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<td>UI 394</td>
<td>Music and Culture: 1600-1750 (3)</td>
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<td>UI 396</td>
<td>The Age of Beethoven (3)</td>
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<td>UI 397</td>
<td>Music in Medieval &amp; Renaissance Culture (3)</td>
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<td><strong>Senior Seminar (Choose ONE Course)</strong></td>
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<td>UI 400</td>
<td>Business &amp; Ethics (3)</td>
<td>UI 435</td>
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<td>UI 401</td>
<td>Amer Cult Landscapes: Reg Architecture &amp; Settlement Sys (3)</td>
<td>UI 436</td>
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<td>UI 402</td>
<td>Music in World Cultures (3)</td>
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<td>UI 406</td>
<td>Transforming the Female Experience (3)</td>
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<td>UI 407</td>
<td>Rational Endeavor (3)</td>
<td>UI 440</td>
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<td>UI 410</td>
<td>Manufacturing Research in A Global Society (3)</td>
<td>UI 443</td>
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<td>UI 412</td>
<td>American Health Care Systems (3)</td>
<td>UI 444</td>
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<td>UI 414</td>
<td>The American Temper: Ideas in Conflict (3)</td>
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<td>UI 415</td>
<td>Science &amp; Religion (3)</td>
<td>UI 448</td>
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<td>UI 416</td>
<td>Planetary Exploration: From Galileo to the Present &amp; Beyond (3)</td>
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<tr>
<td>UI 418</td>
<td>The European Mind (3)</td>
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</table>
Degrees/ Majors/
Pre-Professional Curricula
BACCALAUREATE DEGREES

The following statements pertain to all baccalaureate degrees:

- A minimum of 120 hours of undergraduate degree credit (courses numbered 100-599) is required.
- 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.
- Required completion of Student Transitions Career Proficiency Checks CL 001, CL 002, CL 003, and CL 004.
- Required completion of WP 003 and, at the senior level, the California Critical Thinking Skills Test.
- 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 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, the major in Mass Communication and the major in Interdisciplinary Studies, which require a 2.5 GPA for graduation and the major in Social Work which requires a 2.25 GPA for graduation.
- A minimum 2.0 GPA for all of the degree credit attempted at Southeast is required.
- For all degrees which require a major, a minimum 2.0 GPA must be earned in those courses counted on the major, except for Business Administration majors which require a 2.25 GPA, majors on the Secondary Education degree, the Mass Communication major and the Health Management major which require a 2.5 GPA, the Communication Disorders major which requires a 2.75 GPA, and the 2-Dimensional and 3-Dimensional Art majors and BFA-Performing Arts major and all Music majors which require a 3.0 GPA.
- 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.

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 123
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
### Majors

**Southeast Missouri State University 2006-07**

- College of Science & Mathematics (Sci&MATH)
- Rhodes Hall, room 102D
- Telephone (573) 651-2173

- School of Polytechnic Studies (Polytech)
- Seabough Polytechnic Building, room 301
- Telephone (573) 986-6746

- School of University Studies
- Academic Hall, room 317
- Telephone (573) 986-7328

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

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<td>Bachelor of Science in Education (BSED)</td>
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<td>Bachelor of Family &amp; Consumer Sciences Education (BFCSE)</td>
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<td>Bachelor of Music Education (BME)</td>
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<td>Bachelor of Music (BM)</td>
<td>126</td>
</tr>
<tr>
<td>Bachelor of Science in Nursing (BSN)</td>
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</tr>
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</table>

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

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<thead>
<tr>
<th>MAJOR/DEGREE</th>
<th>DEPARTMENT/COLLEGE</th>
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<tr>
<td>Accounting/BSBA</td>
<td>Acct &amp; MIS/Bus</td>
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<tr>
<td>Administrative Systems Mgt/BBA</td>
<td>Acct &amp; MIS/Bus</td>
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<tr>
<td>Advertising</td>
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<td>Agribusiness/BS</td>
<td>Agriculture/Polytech</td>
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<td>Agriculture</td>
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<td>Animal Science</td>
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<td>Anthropology/BA</td>
<td>For Lang &amp; Anthro/Lib Arts</td>
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<tr>
<td>Art/BA, BFA, BSED</td>
<td>Art/Lib Arts</td>
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<tr>
<td>Athletic Training</td>
<td>(see Health Management)</td>
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<tr>
<td>Biology/BS, BSED</td>
<td>Biology/Sci&amp;MATH</td>
</tr>
<tr>
<td>Business &amp; Marketing Education/BSED</td>
<td>Acct &amp; MIS/Bus</td>
</tr>
<tr>
<td>Chemistry/BA, BS, BSED</td>
<td>Chemistry/Sci&amp;MATH</td>
</tr>
<tr>
<td>Child Care &amp; Guidance/AA</td>
<td>Human Environ. Studies/HS</td>
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<tr>
<td>Child Development</td>
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<tr>
<td>Communication Disorders/BA</td>
<td>Comm Disorders/HS</td>
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<tr>
<td>Communication Studies/BA</td>
<td>Communication/Lib Arts</td>
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<tr>
<td>Computer Information Systems/BS</td>
<td>Computer Sci/Sci&amp;MATH</td>
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<tr>
<td>Computer Science/BS</td>
<td>Computer Sci/Sci&amp;MATH</td>
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<tr>
<td>Computer Technology/AAS</td>
<td>Industrial Technology/Polytech</td>
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<tr>
<td>Corporate Communication/BA</td>
<td>Communication/Lib Arts</td>
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<tr>
<td>Criminal Justice/BS</td>
<td>Crim Justice &amp; Sociology/HS</td>
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<td>Corrections</td>
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<td>Law Enforcement</td>
<td>(see Human Environ. Studies)</td>
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<td>Security Management</td>
<td>(see Human Environ. Studies)</td>
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<tr>
<td>Dietetics</td>
<td>Early Childhood Educ/BSED, Early elem &amp; Special Educ/Ed</td>
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<tr>
<td>Economics/BS</td>
<td>Economics &amp; Finance/Bus</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>
<td>(see Human Environ. Studies)</td>
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<tr>
<td>Financial Economics</td>
<td>(see Human Environ. Studies)</td>
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</tbody>
</table>
Bachelor of Arts Majors

Southeast Missouri State University 2006-07

Choose 9 Hours in Anthropology or Other Courses (As Approved by Advisor)
Additional Requirement:
xx xxx 12 Hours in One or Two Foreign Languages

ART

33-56 Hour Major
Minor Required
(see also Bachelor of Fine Arts degree)
Required Courses:

Choose 6 Hours Additional Art History Courses (300-500 level)
Choose up to 24 hours of art/art history electives.
Every year, two pieces of artwork must be entered in the Juried Student Assessment Exhibition.

CHEMISTRY

30 Hour Major
Required Core Courses

Choose Additional Requirements: 13 hours

ANTHROPOLOGY

36 Hour Major - Minor Required Required Courses:

AN 101 Observing Other Cultures (3)
AN 180 Introductory Anthropology: Physical Anthropology & Archaeology (3)
AN 181 Intro to Cultural Anthropology (3)
AN 241 Intro Linguistic Anthropology (3)
AN 317 Ethnographic Field Methods (3)
AN 380 Human Evolution & Adaptation (3)
AN 382 Archaeology: Method & Theory (3)
AN 493 General Anthropological Theory (3)
PY 271/SO 242/SW 242/MA 223/CJ 526 Statistics Course (3)
Bachelor of Arts Majors

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Choose One Option:

CHEMISTRY OPTION - minor required

Choose 2 Hours of Chemistry Electives (300 level or higher)

DNA ANALYSIS OPTION - no minor required

Choose 2 Hours of Chemistry Electives (300 level or higher)

BI 154 Genetics & Cellular Biology (4)
BI 200 General Microbiology (3)
BI 245 Lab Methods in Biotechnology (3)
BI 381 Genetics (3)
BI 450 Molecular Biology (3)
CH 420 Forensic Chemistry (4)
MA 423 Stat Analysis for Forensic Sci (3)
UI 331 Biochemistry I (3)

FORENSIC SCIENCE OPTION - no minor required

CH 343 Organic Chemistry II (3)
CH 420 Forensic Chemistry (4)
CI 100 Introduction to Criminal Justice (3)
CI 350 Evidence Collection and Preservation (3)
FS 550 Crime Laboratory I: Microscopy (2)
FS 550 Crime Laboratory II: Blood and Fluids (2)

Take one of the following courses:

CH 575 Chemical Instrumentation (4)
OR
EV 460 Introduction to Toxicology (3)

COMMUNICATION STUDIES

30 Hour Major - Minor Required

Required Courses:

SC 105 Fund of Oral Communication (3)
OR
SC 155 Fund of Interpers Communication (3)
SC 200 Advanced Public Speaking (3)
SC 320 Group Comm & Decision-Making (3)
UI 345 Nonverbal Communication (3)
UI 425 Persuasion (3)
OR
SC 560 Organizational Communication (3)

Choose 15 Hours from the Following:

SC 160 Intercolligate Debate (2)
SC 161 Intercolligate Debate (2)
SC 215 Intercultural Communication (3)
SC 310 Speech Writing (3)
SC 314 Argumentation & Problem Solving (3)
SC 330 Corporate & Professional Comm (3)
SC 335 Interviewing (3)
SC 355 Relational Comm Strategies (3)
SC 400 Advanced Debate (3)
SC 406 Negotiation & Conflict Mgmt (3)
SC 463 Independent Study (3)
SC 482 Special Problems in Comm Studies (3)
SC 483 Internship in Speech Comm (3)
SC 505 Semnr/Criticism Amer Pub Address (3)
SC 510 Leadership & Team Building (3)
SC 560 Organizational Communication (3)
UI 301 Managerial Communication (3)
UI 423 Political Communication (3)
UI 425 Persuasion (3)

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

Choose 3 Hours From:

LI 560 Chaucer (3)
LI 577 Studies in Early English Lit (3)
UI 431 Shakespeare Tragedies & Hum Cond (3)
UI 432 Shakespeare Hist/Comed & Hum Cond (3)

Choose 3 Hours From:

LI 476 Early Twentieth-Century British Literature (3)
LI 578 Studies in Later English Lit (3)
UI 341 Victorian Studies (3)

Choose 6 Hours From:

LI 320 African American Writers (3)
LI 421 Cross-Cultural Amer Voices (3)
LI 565 Southern Literature (3)
LI 568 19th Century American Novel (3)
LI 570 Modern/Contemp American Novel (3)
Bachelor of Arts Majors

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LI 571     Contemporary American Poetry (3)
LI 576     Cyberpunk Fiction (3)

Choose 3 Hours From:
LI 510     Literature & the Bible (3)
LI 572     The Modern Essay (3)
LI 574     Australian Literature (3)
LI 587     Women and Madness (3)
UI 332     Images of Women in Literature (3)

WRITING OPTION

Choose 3 Hours From:
EN 376     Advanced Composition*
EN 550     Style in Writing (3)
LI 572     The Modern Essay (3)

*Unless taken in the core

Choose 3 Hours From:
LI 421     Cross-Cultural Amer Voices (3)
LI 542     Literature for the Young Adult (3)
LI 565     Southern Literature (3)
LI 570     Modern/Contemp American Novel (3)
LI 571     Contemporary American Poetry (3)
LI 576     Cyberpunk Fiction (3)

Choose 3 Hours From:
EN 301     Writing for Science & Technology (3)
EN 311     Literary Manuscript Editing Practicum (3)
EN 435     Internship in English (3)
LI 301     Small Press Publishing (3)

Choose 3 additional hours writing course not taken above

Additional Requirements:
EN 001     Portfolio of Student Writing (All Options)
xx xxx     9 Hours in One or Two Foreign Languages (All Options)
            OR
xx xxx     6 Hours in One Foreign Language
            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

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:
FL 311     Survey of FR, GN & SN Lit (3)
FR 311     Survey of French Literature II (3)
FR 415     17th 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)

Additional Requirement:

Choose 3 Hours From:
EH 366     Age of French Rev & Napoleon (3)
EH 370     Europe in the 20th Century (3)
EH 514     History of Modern France (3)
FL 205     Art of French Cinema (3)
GG 170     European Peoples & Civilization (3)
UI 362     Contemporary French Culture (3)
UI 375     European Film (3)
WH 103     Modern European Civilization (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:
FL 311     Survey of FR, GN & SN Lit (3)
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:
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(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)
GN 315 Commercial German (3)
GN 330 German Grammar (3)
GN 340 German Phonetics & Pronunciation (3)

Choose 9 Hours of GN 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 390 European Prehistory (3)
EH 370 Europe in the 20th Century (3)
EH 516 History of Modern Germany (3)
EH 527 Intellectual History of Europe (3)
GG 170 European Peoples & Civilization (3)
WH 103 Modern European Civ (3)

HISTORY

39 Hour Major - Minor Required

Required Courses:
GH 007 BA Portfolio Review (0)
GH 315 Historiography (3)
GH 415 Senior Seminar in History (3)

Choose 15 Senior Level Hours From:
EH xxx (6)
US xxx (6)
WH xxx (3)

Choose 6 Senior Level Hours From:
EH, GH, US OR WH prefix courses (6)

Choose an additional 12 Hours of EH, GH, US, WH, HP 100, HP 200 or departmentally approved UI courses
(Only 3 Hours UI courses can be counted on major)

Additional Requirement:
xx xxx 6 Hours in ONE Foreign Language

Choose one of the following options:
xx xxx 6 Hours in Foreign Language
PY 271 Research Design and Analysis I (3)
AND
PY 370 Research Design and Analysis II (3)
MA 134 College Algebra (3)
AND
MA 223 Elementary Prob & Statistics (3)
OR
CS 120 Intro to Computer Science (3)

OR
SO 242 Statistics for Social Scientists (3)

MASS COMMUNICATION:
JOURNALISM OPTION

36 Hour Major - Minor Required
(A grade of 'C' or better is required for all courses within the major except MC 486 and MC 496 which are credit/no credit courses.)

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 320 Reporting (3)
MC 322 Publication Editing & Production (3)
MC 401 Communication Law (3)
MC 428 Editorial Page (3)
MC 486 Internship in Mass Communication (3)

Choose one of the following:
MC 324 Feature Writing (3)
MC 426 Sportswriting (3)

Choose one of the following:
MC 425 Public Affairs Reporting (3)
MC 346 Electronic New Gathering (3)
MC xxx Mass Communication electives (6)

Additional Requirements:
MA 155 Statistical Reasoning (3)*
UI 382 Hist & Phil of American Mass Media (3)*

NOTE:
Of the 83 hours required outside of Mass Communication, 68 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)
Bachelor of Arts Majors
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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  Electrons & 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)
OR
PL 330  Symbolic Logic II (3)
PL 203  Aesthetics and The Arts (3)
OR
PL 204  Ethical Theory (3)
OR
PL 245  Social & Political Philosophy (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 & Movms 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

Required Courses:
PS 001  Senior Assessment (0)
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 335  American Foreign Policy (3)
PS 360  Political Parties & Voting Behavior (3)
PS 365  Legislative Process (3)
PS 387-389  Independent Study in Poli Sci (1-3)
PS 390  American Judicial System (3)
PS 418  Public Policy Analysis (3)
PS 490  Constitutional Law (3)
UI 320  Modern Presidency (3)

Comparative Governments & Politics
PS 355  Less Developed Nations (3)
PS 37  Gov & Pol of East Asia (3)
PS 387-389  Independent Study in Poli Sci (1-3)
PS 460  Govt & Politics West Europe (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 in Poli Sci (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 in Poli Sci (1-3)
PS 402  Fundamentals of Public Admin (3)
PS 403  Public Personnel Admin (3)
Bachelor of Arts Majors
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PS 405 Org Theory/Behavior (3)
PS 415 Government Budgeting Process (3)
PS 418 Public Policy Analysis (3)
PS 425 Administrative Law & Procedure (3)

Political Theory
PS 387-389 Independent Study in Poli Sci (1-3)
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)

Additional Requirement:
xx xxx 12 Hours in ONE Foreign Language

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:
FL 311 Survey of FR, GN & SN Lit (3)
SN 403 Survey of Spanish Literature I (3)
SN 404 Survey of Spanish Literature II (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)

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

Additional Requirement:

THEATRE AND DANCE
48 Hour Major - Minor Required

Required Courses:
TH/DA 105 Rehearsal & Production (2)
TH 155 Makeup (3)
TH 218 Acting I (3)
TH 231 Stagecraft I (3)
TH 251 Costume Construction (3)
TH 280 Movement Analysis (3)

Choose One Area of Emphasis:
Theatre Emphasis
Select 3 Credits from:
TH 265 Drawing for the Theatre (3)
TH 316 Acting II (3)
Select 13 Credits from:
MU 220 Class Voice (2)
TH 219 Auditioning (1)
TH 317 Voice for the Stage (3)
TH 318 Musical Theatre Performance I (3)
TH 319 Acting for Film and Television (3)
TH 321 Stage Combat I(3)
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 381 Script Analysis (3)
TH 395 Period & Style (3)
TH 416 Acting III (3)
TH 418 Musical Theatre Performance II (3)

AN 101 Observing Other Cultures (3)
AN 181 Intro to Cultural Anthropology (3)
AN 241 Intro to Linguistic Anthropology (3)
AN 360 Ancient Civ of Meso-America (3)
EH 370 Europe in the 20th Century (3)
GH 125 Islamic Civilization (3)
GH 130 Latin American Civilization (3)
UI 375 European Film (3)
WH 424 South Americas (3)
WH 520 Latin Am Colonial History (3)
WH 524 Hist of Mexico Since 1810 (3)
Bachelor of Fine Arts Majors
Southeast Missouri State University 2006-07

TH 431 Stage Combat II (3)
TH 450 Stage Lighting II (3)
TH 451 Costume Design II (3)
TH 471 Scenic Design II (3)
TH 485 Directing II (3)

Dance Emphasis
Select 16 credits (12 of which must be from upper level courses) from:
DA 211 Ballet I (2)
DA 221 Modern Dance I (2)
DA 226 Jazz Dance I (2)
DA 236 Tap Dance I (2)
DA 311 Ballet II (2)
DA 321 Modern Dance II (2)
DA 326 Jazz Dance II (2)
DA 336 Tap Dance II (2)
DA 395 Kinesiology & Physiology of Dance (2)
DA 411 Ballet III (2)
DA 421 Modern Dance III (2)
DA 426 Jazz Dance III (2)
DA 436 Tap Dance III (2)
DA 471 Ballet IV (2)
DA 481 Modern Dance IV (2)
DA 486 Jazz Dance IV (2)
DA 496 Tap Dance IV (2)

BACHELOR OF FINE ARTS DEGREE
The areas from which majors must be chosen are:
Art
Performing Arts

ART
In addition to the required courses listed, BFA-Art majors complete 32 departmentally approved concentration and elective hours in one of the following concentrations: Painting; Drawing; Printmaking; Sculpture; Ceramics; Fibers; Graphic Design; or Three Dimensional Computer Imaging/Animation. A 3.0 grade point average in the major must be maintained.

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 150 Structural Figure Drawing (3)
AR 201 Color Composition (3)
AR 202 Drawing II: Human Figure (3)

DOR
AR 416 Advanced Graphic Design (3)
AR 302 Printmaking (3)
AR 313 New Genre (3)
AR 325 Painting (3)
AR 330 Fibers I (3)
AR 332 Sculpture I (3)
AR 342 Ceramics (3)

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

Concentration & Elective Art Courses (30)

Studio majors select 18 departmentally approved credit hours in one specialized area. Choose from Ceramics; Drawing; Fibers; Painting; Printmaking; or Sculpture, Graphic Design and Three Dimensional Computer Imaging/Animation. All concentration majors choose a minimum of 14 departmentally approved elective credit hours.

PERFORMING ARTS
68-75 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:
TH/DA 105 Rehearsal & Production (2)
TH 155 Makeup (3)
TH 218 Acting I (3)
TH 231 Stagecraft I (3)
TH 251 Costume Construction (3)
TH 107 Theory Skills & Anls for Mus Theatre (3)
TH/DA 305 Rehearsal & Production (6)
TH 381 Script Analysis (3)

DOR
DA 280 Movement Analysis (6)
TH 385 Directing I (3)

DOR
### Bachelor of Fine Arts Majors

Southeast Missouri State University 2006-07

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>DA 380</td>
<td>Choreography I (3)</td>
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<tr>
<td>OR</td>
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<tr>
<td>TH 307</td>
<td>Musical Theatre Score Study (3)</td>
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<tr>
<td>TH/DA 498</td>
<td>BFA Project (2)</td>
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<tr>
<td>TH/DA 499</td>
<td>Internship (4)</td>
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<tr>
<td>TH 490</td>
<td>Theatre History I (3)</td>
<td></td>
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<tr>
<td>OR</td>
<td></td>
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<tr>
<td>DA 490</td>
<td>Dance History (3)</td>
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*Option only for Dance & Design/Technology Emphasis

Choose One Option:

**ACTING/DIRECTING OPTION (34 Hours)**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TH 219</td>
<td>Auditioning (1)</td>
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<td>TH 316</td>
<td>Acting II (3)</td>
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<tr>
<td>TH 317</td>
<td>Voice for the Stage (3)</td>
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<td>TH 319</td>
<td>Acting for Film &amp; Television (3)</td>
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<tr>
<td>TH 321</td>
<td>Stage Combat I(3)</td>
<td></td>
</tr>
<tr>
<td>TH 416</td>
<td>Acting III (3)</td>
<td></td>
</tr>
<tr>
<td>TH 431</td>
<td>Stage Combat II (3)</td>
<td></td>
</tr>
<tr>
<td>TH 485</td>
<td>Directing II (3)</td>
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</tr>
<tr>
<td>TH 495</td>
<td>Theatre History II (3)</td>
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Choose 9 hours (3 hours must come from 300-400 level courses):

<table>
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<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>DA 130</td>
<td>Ballroom Dance (1)</td>
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<tr>
<td>DA 146</td>
<td>Swing Dance (1)</td>
<td></td>
</tr>
<tr>
<td>DA 186</td>
<td>Beginning Jazz Dance (1)</td>
<td></td>
</tr>
<tr>
<td>DA 211</td>
<td>Ballet I (2)</td>
<td></td>
</tr>
<tr>
<td>DA 221</td>
<td>Modern Dance I (2)</td>
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<td>DA 226</td>
<td>Jazz Dance I (2)</td>
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<td>DA 236</td>
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<td>DA 421</td>
<td>Modern Dance III (2)</td>
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<tr>
<td>DA 426</td>
<td>Jazz Dance III (2)</td>
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<tr>
<td>DA 436</td>
<td>Tap Dance III (2)</td>
<td></td>
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<tr>
<td>DA 471</td>
<td>Ballet IV (2)</td>
<td></td>
</tr>
<tr>
<td>DA 486</td>
<td>Modern Dance IV (2)</td>
<td></td>
</tr>
<tr>
<td>DA 496</td>
<td>Tap Dance IV (2)</td>
<td></td>
</tr>
<tr>
<td>MP 101/TH</td>
<td>Ixx Voice Lessons (1)</td>
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<td>MP 301/TH</td>
<td>3xx Voice Lessons (1)</td>
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<td>MP 401/TH</td>
<td>4xx Voice Lessons (1)</td>
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<td>MU 121</td>
<td>Class Voice for Musical Theatre (2)</td>
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<tr>
<td>MU/TH 318</td>
<td>Musical Theatre Performance I (3)</td>
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<tr>
<td>TH 375</td>
<td>Theatre Management (3)</td>
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</table>

**MU/TH 418** Musical Theatre Performance II (3)

**Additional Requirement:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>UI 384</td>
<td>History of the Musical (3)</td>
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</tr>
<tr>
<td>OR</td>
<td></td>
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</tr>
<tr>
<td>UI 422</td>
<td>Aesthetics of Movement (3)</td>
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</table>

**DANCE OPTION (34 Hours)**

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>DA 211</td>
<td>Ballet I (2)</td>
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<tr>
<td>DA 221</td>
<td>Modern Dance I(2)</td>
<td></td>
</tr>
<tr>
<td>DA 226</td>
<td>Jazz Dance I (2)</td>
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<tr>
<td>DA 236</td>
<td>Tap Dance I (2)</td>
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<tr>
<td>DA 311</td>
<td>Ballet II(2)</td>
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<tr>
<td>DA 321</td>
<td>Modern Dance II (2)</td>
<td></td>
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<tr>
<td>DA 326</td>
<td>Jazz Dance II (2)</td>
<td></td>
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<tr>
<td>DA 336</td>
<td>Tap Dance II (2)</td>
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<tr>
<td>DA 430</td>
<td>Principles of Teaching Dance (3)</td>
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Choose 6 hours:

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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>DA 411</td>
<td>Ballet III (2)</td>
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<tr>
<td>DA 421</td>
<td>Modern Dance III (2)</td>
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<tr>
<td>DA 426</td>
<td>Jazz Dance III (2)</td>
<td></td>
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<tr>
<td>DA 436</td>
<td>Tap Dance III (2)</td>
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Choose 4 hours:

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<tbody>
<tr>
<td>DA 471</td>
<td>Ballet IV (2)</td>
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<tr>
<td>DA 486</td>
<td>Modern Dance IV (2)</td>
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</tr>
<tr>
<td>DA 496</td>
<td>Tap Dance IV (2)</td>
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Choose 3 hours:

<table>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TH 350</td>
<td>Stage Lighting I (3)</td>
<td></td>
</tr>
<tr>
<td>TH 351</td>
<td>Costume Design I (3)</td>
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</table>

**Additional Requirement:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UI 384</td>
<td>History of the Musical (3)</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UI 422</td>
<td>Aesthetics of Movement (3)</td>
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</table>

**DESIGN/TECHNOLOGY OPTION (33 Hours)**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>TH 265</td>
<td>Drawing for the Theatre(3)</td>
<td></td>
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<tr>
<td>TH 350</td>
<td>Stage Lighting I(3)</td>
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<tr>
<td>TH 351</td>
<td>Costume Design I (3)</td>
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<tr>
<td>TH 361</td>
<td>Scene Painting (3)</td>
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<tr>
<td>TH 371</td>
<td>Scenic Design I (3)</td>
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<tr>
<td>TH 375</td>
<td>Theatre Management (3)</td>
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<tr>
<td>TH 386</td>
<td>Sound Design (3)</td>
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<tr>
<td>TH 395</td>
<td>Period &amp; Style (3)</td>
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<tr>
<td>TH 495</td>
<td>Theatre History II (3)</td>
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Choose 6 hours:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>TH 331</td>
<td>Stagecraft II (3)</td>
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<tr>
<td>TH 450</td>
<td>Stage Lighting II (3)</td>
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<tr>
<td>TH 451</td>
<td>Costume Design II (3)</td>
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<tr>
<td>TH 471</td>
<td>Scenic Design II (3)</td>
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</tbody>
</table>
MUSICAL THEATRE OPTION (40 Hours)

MM 105 Aural Skills I (1)
MM 106 Aural Skills II (1)
MU 151/152 Functional Piano I & II (2)
TH 317 Voice for the Stage (3)
TH 318 Musical Theatre Performance I (3)
TH 418 Musical Theatre Performance II (3)
MU 394 University Choir (2)

AND/OR

MU 389 Choral Union (2)

Voice Lessons
MP 101/TH 1xx (2)
MP 301/TH 3xx (2)
MP 401/TH 4xx (2)
TH 219 Auditioning (1)
TH 316 Acting II (3)
TH 416 Acting III (3)

Choose 12 hours (6 hours from 300-400 level courses):
DA 130 Ballroom Dance (1)
DA 146 Swing Dance (1)
DA 186 Beginning Jazz Dance (1)
DA 211 Ballet I (2)
DA 226 Jazz Dance I (2)
DA 236 Tap Dance I (2)
DA 326 Jazz Dance II (2)
DA 336 Tap Dance II (2)
DA 426 Jazz Dance III (2)
DA 436 Tap Dance III (2)
DA 486 Jazz Dance IV (2)
DA 496 Tap Dance IV (2)
TH 321 Stage Combat I (3)
TH 431 Stage Combat II (3)

BACHELOR OF GENERAL STUDIES DEGREE

Allows individual structuring of a degree program without requiring major or minor fields; University Studies requirements must be completed. This degree program may be completed through web courses only.

Minimum Degree Requirements 120 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: Agriculture Industry
Animal Science
Horticulture
Plant & Soil Science

Biology
Options: Biomedical Sciences
General Biology
Microbiology, Cell & Molecular Biology
Organismal, Ecological, & Evolutionary Biology
Wildlife Conservation

Chemistry
Options: ACS Certified Chemistry

Chemistry
Biochemistry

Business
Forensic Chemistry
Communication Disorders

Computer Information Systems
Computer Science
Corporate Communication

Criminal Justice
Options: Corrections
Law Enforcement
Security Management

Economics

Engineering Physics
Options: Applied Physics and Engineering
Computer Applications in Physics & Engineering

Engineering Technology
Options: Electrical & Control Manufacturing Systems

Environmental Science

Health Management
Options: Athletic Training
Exercise Science
Health Promotion

Historic Preservation

Hospitality Management

Human Environmental Studies
Options: Child Development
Dietetics
Family Studies
Fashion Merchandising
Housing & Interior Design

Industrial Technology
Options: Construction Management & Design
Industrial Management
Technical Graphics

Technology (AAS transfers)
Bachelor of Science Majors
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Telecommunication & Computer Networking
Interdisciplinary Studies
Mass Communication
Options: Advertising
       Public Relations
       Radio
       Video Production
Mathematics:
Options: Pure Mathematics
       Applied Mathematics & Statistics
Medical Technology
Physics
Political Science
Psychology
Recreation
Social Work
Sport Management

AGRICULTURE
67-70 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 447 Mkgt of Agri Products (3)
AG 465 Agriculture Internship (3-6)
   OR
AG 469 Undergrad Research (3)
AG 470 Agribusiness Sales (3)
AO 120 Plant Science (4)
AY 101 Animal Science (5)
HO 130 Intro to Horticulture (3)
UI 436 Agricultural Ethics (3)
Additional Requirements (8 hours):
CH 180 Basic Princ of Chemistry (5)
   OR
CH 185 General Chemistry I (5)
MA 134 College Algebra (3)
Choose One of the Following Options (30 Hours):
AGRICULTURE INDUSTRY
30 hours by advisement based on student plans/background, selected from AG, AO, AY, HO prefix courses or may include AAS Agriculture degree courses transferred to Southeast.

ANIMAL SCIENCE
AY 205 Horse Science (3)
AY 304 Princ of Animal Nutrition (3)
AY 305 Advanced Horse Science (3)

AY 311 Animal Breeding (3)
AY 405 Beef Production (3)
AG, AO, AY, HO prefix courses (15)

HORTICULTURE
AO 215 Soils (3)
AO 260 Integrated Pest Mgmt (3)
AO 323 Plant Pathology (3)
HO 230 Advanced Horticulture (3)
HO 330 Landscape Design & Maint (3)
HO 342 Fruit & Vegetable Production (3)
HO 350 Greenhouse Mgt (3)
HO 430 Turfgrass Management (3)
HO 431 Urban Forestry (3)
HO 446 Golf Crs & Ath Field Mgmt (3)

PLANT AND SOIL SCIENCE
AG 440 Precision Agriculture (3)
AO 215 Soils (3)
AO 260 Integrated Pest Mgmt (3)
AO 323 Plant Pathology (3)
AO 327 Sustainable Agriculture (3)
AO 401 Ag & Natural Resource Mgmt (3)
AO 420 Crop Physiology (3)
AO 427 Soil Fertility & Plant Nutrtn (3)
AO 440 Prin of Plant Breeding (3)
AO 480 Crop Production (3)

BIOLOGY
47 hour Major - No minor required
Required Courses:
BI 003 Biology MFAT (0)
BI 151 Biological Reasoning (3)
BI 152 Intro to Scientific Investigation (1)
BI 153 Intro to Organismal Biology (4)
BI 154 Genetics and Cell Biology (4)
BI 489 Analysis of Biological Issues (2)
BI 4xx or 5xx Experiential Learning (2)
CH 185/085/005 General Chemistry I (5)
MA 134 College Algebra (3)
Choose One of the Following Options
BIOMEDICAL SCIENCES
BI 381 Molecular Genetics (3)
ZO 331 Animal Physiology (3)
Any BI, BO, ZO, BT courses, at least 10 credits 300 level and above (17)
Additional Requirements: 22-25
Any additional Math course not in University Studies (2-5)
CH 186 General Chemistry II (3)
### Bachelor of Science Majors

**Southeast Missouri State University 2006-07**

<table>
<thead>
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<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>CH 187</td>
<td>Qualitative Analysis</td>
<td>2</td>
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<tr>
<td>CH 341/342</td>
<td>Organic Chemistry I &amp; Lab</td>
<td>5</td>
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<tr>
<td>PH 120</td>
<td>Introductory Physics I</td>
<td>5</td>
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<tr>
<td>PH 121</td>
<td>Introductory Physics II</td>
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</table>

#### GENERAL BIOLOGY

**Choose 3 hours from this list:**
- BI 445  Microbial Physiology (3)
- BO 445  Plant Physiology (3)
- ZO 331  Animal Physiology (3)

**Choose 3 hours from this list:**
- BI 200  General Microbiology (3)
- BI 381  Molecular Genetics (3)
- BI 404  Cell Biology (3)
- BI 414  Prob. in Cell & Molecular Biology (3)
- BI 441  Virology (3)
- BI 442  Immunology (3)
- BI 443  Epidemiology (3)
- BI 445  Microbial Physiology (3)
- BI/BT 450  Inv. Molecular Biology & Biotechnology (3)
- BI/BT 451  Biotechnology (3)
- BI 460  Intro. to Toxicology (3)
- BI 543  Pathogenic Microbiology (2)
- BI 544  Pathogenic Microbiology Lab (1)
- BO 445  Plant Physiology (3)
- ZO 331  Animal Physiology (3)
- ZO 414  Developmental Biology (3)
- ZO 441  Parasitology (3)

**Choose 3 hours from this list:**
- BI 332  General Ecology (3)
- BI 420  Prin. Wildlife Management (3)
- BI 430  Management of Wildlife Habitat (3)
- BI 435  Conservation Biology (3)
- BI 440  Ecology & Management of Wetlands (3)
- BI 443  Epidemiology (3)
- BI 452  Limnology (3)
- BI 460  Intro to Toxicology (3)
- BI 469  Wildlife Toxicology (3)

**Choose 3 hours from this list:**
- BO 200  Plant Biology (3)
- BO 361  Systematic Botany (3)
- BO 461  Native Aquatic Plants (3)
- BO 469  Field Botany (2)
- ZO 200  Animal Biology (3)
- ZO 441  Parasitology (3)
- ZO 459  Mammalogy (3)
- ZO 460  Herpetology (3)
- ZO 465  Entomology (3)
- ZO 466  Ornithology (3)
- ZO 469  Vertebrate Adaptations (3)
- ZO 478  Ichthyology (3)

**Any BI, BO, ZO courses at 300 level and above (8)**

**Additional Requirements: 13-16**
- Any additional Math course not in University Studies (2-5)
- CH 186  General Chemistry II (3)
- CH 341/342  Organic Chemistry I & Lab (5)
- UI 331  Biochemistry (3)

#### ORGANISMAL, ECOLOGICAL, AND EVOLUTIONARY BIOLOGY

**Choose 3 hours from this list:**
- BI 300  Intro to Evolutionary Biology (3)
- BI 332  General Ecology (3)
- BO 200  Plant Biology (3)
- ZO 200  Animal Biology (3)

**Biology Electives: choose 11 hours from this list (9 credits or more at 300 level):**
- BI 200  General Microbiology (3)
- BI 261  Intro Field Biology (1)
- BI 420  Management of Wildlife Populations (3)
- BI 430  Management of Wildlife Habitat (3)
- BI 432  Advanced Ecology (3)
- BI 435  Conservation Biology (3)
- BI 440  Ecology and Management of Wetlands (3)
- BI 452  Limnology (3)
- BI 469  Wildlife Toxicology (3)
- BI 471-473  Internships (1-3)
- BI 493  Readings in Biology (2)
- BI 551/553  Biology Field Studies (1/2)
- BI 589-591  Biological Research (1-3)
- BO 361  Systematic Botany (3)
Bachelor of Science Majors
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BO 420 Ethnobotany (3)
BO 445 Plant Physiology (3)
BO 461 Native Aquatic Plants (3)
BO 469 Field Botany (2)
ZO 315 Comparative Anatomy (3)
ZO 331 Animal Physiology (3)
ZO 414 Developmental Biology (3)
ZO 420 Animal Behavior (3)
ZO 441 Parasitology (3)
ZO 459 Mammalogy (3)
ZO 460 Herpetology (3)
ZO 465 Entomology (3)
ZO 466 Ornithology (3)
ZO 469 Vertebrate Adaptations (3)
ZO 478 Ichthyology (3)

Additional Requirements: 6-8
MA 139 Applied Calculus (3)
OR
MA 140 Calculus (5)
OR
MA 223 Elementary Probability and Statistics (3)

WILDLIFE AND CONSERVATION
BI 3320 General Ecology (3)
BO 200 Plant Biology (3)
ZO 200 Animal Biology (3)

Choose two of the following:
BI 420 Management of Wildlife Populations (3)
BI 430 Management of Wildlife Habitat (3)
BI 435 Conservation Biology (3)
BI 440 Wetland Ecology and Management (3)

Biology Electives - choose 8 hours from this list:
BI 420 Management of Wildlife Populations (3)
BI 430 Management of Wildlife Habitat (3)
BI 432 Advanced Ecology (3)
BI 435 Conservation Biology (3)
BI 440 Ecology and Management of Wetlands (3)
BI 452 Limnology (3)
BI 469 Wildlife Toxicology (3)
BI 471-473 Internship (1-3)
BI 493 Readings in Biology (2)
BI 551/553 Biology Field Studies (1/3)
BI 589-591 Biological Research (1-3)
BO 361 Systematic Botany (3)
BO 420 Ethnobotany (3)

Additional Requirements: 6-8
MA 139 Applied Calculus (3)
OR
MA 140 Calculus (5)
OR
MA 223 Elementary Probability and Statistics (3)

CHEMISTRY
38 Hour Major-No Minor Required

Required Core 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)
CH 341 Organic Chemistry I (4)
CH 342 Organic Chemistry Laboratory I (1)
CH 343 Organic Chemistry II (3)
CH 344 Organic Chemistry Laboratory II (2)
CH 498 Professional Presentation in Chemistry (1)
UI 443 Professional Experience in Chemistry (3)

Additional Requirements: 22 hours
MA 140 Analytical Geometry and Calculus I (5)
MA 145 Analytical Geometry and Calculus II (4)
MA 240 Analytical Geometry and Calculus III (3)
PH 120 Introductory Physics I (5)
PH 121 Introductory Physics II (5)
OR
PH 230 General Physics I (5)
PH 231 General Physics II (5)

Choose One Of The Following Options:
ACS CERTIFIED CHEMISTRY
CH 531/UI 331 Biochemistry I (3)
CH 563 Inorganic Chemistry (4)
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CH 575 Chemical Instrumentation (4)

Additional Requirements: One or two additional courses, which must include a two credit-hour lab component, chosen from the following:

CH 391 Undergraduate Research (1)
CH 392 Undergraduate Research (2)
CH 447 Adv 1 & 2 Dim NMR Techniques (3)
CH 533 Biochemistry Lab (2)
CH 545 Organic Preps and Characterization (3)
CH 565 Inorganic Preps (2)

BIOCHEMISTRY

CH 531/ UI 331 Biochemistry I (3)
CH 532 Biochemistry II (2)
CH 533 Biochemistry Laboratory (2)
BI 154 Genetics & Cellular Biology (4)
BI 200 General Microbiology (3)
BI 381 Genetics (3)
BI 404 Cell Biology (3)

BUSINESS

AC 221 Principles of Financial Management (3)
AC 222 Principles of Managerial Accounting (3)
IS 175 Information Systems I (3)
EC 215 Principles of Microeconomics (3)
EC 225 Principles of Macroeconomics (3)
FI 257 Financial Management (3)
QM 257 Business Statistics (3)
MA 223 Elementary Probability and Statistics (3)
MG 301 Management and Organizational Behavior (3)
MI 375 Management Information Systems (3)
MK 301 Principles of Marketing (3)

Upon completion of the B.S. in Chemistry (Business Option), students may apply directly to the MBA program at Southeast. For more information about the MBA degree program, contact the MBA office in the Robert A. Dempster Hall at Southeast Missouri State University.

CHEMISTRY

Chemistry Elective (300 level or higher) (3)

Selected from at least one of the following courses: CH 350/EV 350 Environmental Chemistry (3), CH 447 Adv 1 & 2 Dim NMR Techniques (3), CH 531/UI 331 Biochemistry (3), CH 545 Organic Preparations and Characterization (3), CH 563 Inorganic Chemistry (4), CH 575 Chemical Instrumentation (4)

FORENSIC CHEMISTRY

CH 420 Forensic Chemistry (4)

CH 575 Chemical Instrumentation (4)

CJ 350 Evidence Collection and Preservation (3)
MA 423 Statistical Analysis for Forensic Science (3)
UI 331 Biochemistry (3)

OR

EV 460 Introduction to Toxicology (3)

COMMUNICATION DISORDERS

35 Hour Major - Minor Required
(See Admission to Communication Disorders Program criteria under Admissions, page xx)

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 402 Clinical Practicum/Comm Disorders (3)
CD 406 Service Delivery in Comm Disorders (4)
CD 411 Nature Assmt/Intrvntn Spch/Lang Disorders (4)
CD 426 Hearing Disorders: Audiological Assmt (3)

Choose one of the following:

CD 510 Multicultural Issues in Comm Disorders (3)
CD 525 Aural Rehabilitation (3)
CD 541 Fluency Disorders (3)

Additional Requirements:

BS 107 Investigations in Biology (3)
EN 140 Rhetoric & Critical Thinking (3)
MA 134 College Algebra
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

Choose One of the Following:

US 107 American History II (3)

Choose One of the Following:

MA xxx Additional Math course (above MA 134) (2-3)
PL 120 Symbolic Logic (3)
PY 271 Research Design & Analysis (3)

Choose One of the Following:

CH 180 Chemistry in Our World (3)
PH 106 Physical Concepts (3)

Choose One of the Following:

CD 110 Language Culture of Deaf (3)
SO 102 Society, Culture & Social Behavior (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.

COMPUTER INFORMATION SYSTEMS
58-60 Hour Major - Minor Required
Required Courses:
- CS 003 Computer Science Assessment (0)
- CS 155 Computer Science I (4)
- CS 245 Discrete Structures I (3)
- CS 265 Computer Science II (4)
- CS 280 Computer Systems (3)
- CS 300 Computer Science III (4)
- CS 315 C & the Unix Environment (3)
- MA 139 Applied Calculus (3) OR MANA 140 Analytical Geom & Calc I (5)
- MA 142 Analytical Geom & Calc II (4)
- MA 223 Probability & Statistics (3)
- MA 345 Linear Algebra (3)
- IS 130 Visual Basic Programming I (3)
- IS 175 Information Systems I (3)
- IS 275 Information Systems II (3)
- UI 450 Capstone Experience (3)

Choose 6 hours CS or IS prefix courses (300-500 level)

COMPUTER SCIENCE
79 Hour Major - No Minor Required
Required Courses:
- CS 003 Computer Science Assessment (0)
- CS 155 Computer Science I (4)
- CS 245 Discrete Structures I (3)
- CS 265 Computer Science II (4)
- CS 280 Computer Systems (3)
- CS 300 Computer Science III (4)
- CS 315 C & the Unix Environment (3)
- CS 331 Applications Programming (3)
- CS 345 Discrete Structures II (3)
- CS 350 Analysis of Algorithms (3)
- CS 380 Operating Systems (3)
- CS 390 Programming Languages (3)
- CS 440 Database (3)
- CS 445 Software Engineering I (3)
- CS 480 Data Communications (3)
- CS 495 Senior Seminar (1)
- MA 140 Analytic Geometry & Calculus I (5)
- MA 145 Analytic Geometry & Calculus II (4)
- MA 223 Probability & Statistics (3)
- MA 345 Linear Algebra (3)
- UI 450 Capstone Experience (3)

Choose 3 hours CS prefix courses (300-500 level)
Choose 12 hours in one science, suitable for science majors. At least two courses must have lab component.
Choose from Biology, Chemistry, Geoscience, or Physics/Engineering Physics.

CORPORATE COMMUNICATION
48 Hour Major - Minor Required
Required Courses:
- MG 301 Principles of Management (3)
- MK 301 Principles of Marketing (3)
- MK 341 Public Relations (3)
- SC 155 Fund of Interpersonal Comm (3)
- SC 330 Corporate & Professional Comm (3)
- SC 335 Interviewing (3)
- SC 4xx Practicum in Corporate Comm (3) OR SC 483 Internship in Corporate Comm (3)
- SC 560 Organizational Comm (3)
- UI 301 Managerial Communication (3)

Choose 9 hours from:
- SC 215 Intercultural Communication (3)
- SC 310 Speech Writing (3)
- SC 314 Argumentation & Problem Solving (3)
- SC 320 Group Comm & Decision-Making (3)
- SC 355 Relational Comm Strategies (3)
- SC 406 Comm Prin/Negotiation & Conflict Mgmt (3)
- UI 345 Nonverbal Communication (3)
- UI 425 Persuasion (3)
- SC 463 Independent Study (3)
- SC 510 Leadership and Team Building (3)

Choose 6 hours from the following:
- MK 342 Professional Selling (3)
MK 343 Advertising & Promotion (3)
MK 344 Consumer Behavior (3)
MK 345 Intro to Business Research (3)
MK 349 Retail Management (3)
MK 447 Sales Management (3)
MK 560 International Marketing (3)

Choose 6 hours from the following:
MG 362 Management Skills (3)
MG 470 Leadership in Management (3)
MG 550 Improving Team Performance (3)
MG 560 International Management (3)

CRIMINAL JUSTICE
33 Hour Major - Minor Required
Required Courses:
CJ 100 Intro to Criminal Justice (3)
CJ 110 Intro to Law Enforcement (3)
CJ 125 Intro to Corrections (3)
CJ 220 Criminal Law (3)
CJ 370 Juvenile Justice (3)
CJ 425 Planning/Research in Crim Justice (3)
CJ 526 Statistical Analysis in Crim Justice (3)

OR
SO 240 Interpretation of Data (3)

OR
SO 242 Statistics for Soc Scientists (3)

Choose One 12 Hour Option:
CORRECTIONS
CJ 230 Correctional Institutions (3)
CJ 355 Constitutional Rights of Inmates (3)
CJ 365 Community-Based Corrections (3)
CJ 440 Theories/Methods of Offender Rehab (3)

LAW ENFORCEMENT
CJ 310 Advanced Police Administration (3)
CJ 330 Criminal Investigations (3)
CJ 422 Criminal Procedure (3)
CJ xxx CJ Course (300-500 level) (3)

SECURITY MANAGEMENT
CJ 325 Intro to Security Systems (3)
CJ 326 Security & Loss Prevention (3)
CJ 327 Security Management (3)
CJ 422 Criminal Procedure (3)

ECONOMICS
28 Hour Major - Minor Required
Required Courses:
EC 215 Principles of Microeconomics (3)
EC 225 Principles of Macroeconomics (3)
EC 410 Macroeconomic Theory (3)
EC 420 Microeconomic Theory (3)
EC 498 Senior Seminar (1)

Any 3 hour college-level statistics course

Choose 12 Hours From:
EC xxx EC course (235-500 level)
UI 322 International Political Economy (3)
UI 349 Comparative Economic Systems (3)
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 TECHNOLOGY
94-96 Hour Major - No Minor Required
Required Courses:
CH 181 Basic Principles of Chemistry (5)
ET 194 Intro to PLCs (3)
IM 102 Technical Communications (3)
IM 211 Industrial Safety Supervision (3)
IM 311 Statistical Process Control (3)
MA 133 Plane Trigonometry (3)
MA 134 College Algebra (3)
MA 139 Applied Calculus (3)

OR
MA 140 Analytic Geometry & Calculus I (5)
MA 223 Elementary Probability & Statistics (3)
MN 220 Engineering Economic Analysis (3)
MN 260 Techncl Computer Programng Appl (3)
MN 356 Robotics (3)
MN 383 Fluid Power (3)
MN 412 Advanced Manufacturing Systems (3)
MN 416 Manufacturing Seminar (1)
PH 120 Introductory Physics I (5)
PH 121 Introductory Physics II (5)
UI 319 Science, Tech, & Society (3)
UI 410 Manufacturing Research (3)

Choose One 33 Hour Option:
ELECTRICAL AND CONTROL:
ET 162 DC Principles & Circuits (3)
ET 164 AC Principles & Circuits (3)
ET 245 Logic Circuits (3)
ET 260 Electronic Circ Design/Analysis I (3)
ET 264 Industrial Electronics (3)
ET 275 Network Routing & Switching I (3)
ET 365 Industrial Electrical Power (3)
ET 366 Microcontrollers (3)
ET 367 Motor Control and Drive Systems (3)
ET 468  Industrial Control (3)
ET 470  Energy Management (3)

MANUFACTURING SYSTEMS:
ET 160  Basic Electricity & Electronics (3)
IM 313  Facilities Planning (3)
IM 417  Manufacturing Resource Analysis (3)
MN 170  Industrial Materials & Testing (3)
MN 203  Industrial Materials & Processes I (3)
MN 204  Industrial Materials & Processes II (3)
MN 319  Statics & Strengths of Materials (3)
MN 354  Computer Aided Manufacturing (CAM) (3)
MN 402  Plastics & Processes (3)
TG 120  Computer Aided Eng. Graphics (3)
TG 220  Solid Modeling & Rapid Prototyping (3)

ENGINEERING PHYSICS
EAC/ABET Accredited (see www.abet.org)
61 Hour Major - No Minor Required

Required Courses:
EP 100  Physics & Engineering Concepts (1)
EP 240  Circuit Analysis (4)
EP 305  Digital & Analog Syst Design (3)
EP 340  Electronic Circuits (4)
EP 372  Signals and Systems (3)
EP 480  Capstone Design I (1)
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)
UI 450  Capstone Experience (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 14 Hour Option:
APPLIED PHYSICS AND ENGINEERING

EP 361  Thermal Analysis (3)
EP 374  Control Systems (3)
EP 462  Material Science (3)
PH 473  Quantum Mechanics (3)

Choose 2 Hours Approved EP or PH Electives

COMPUTER APPLICATIONS IN PHYSICS AND
ENGINEERING
CS 155  Computer Science I (4)
CS 265  Computer Science II (4)
CS 315  C & the Unix Environment (3)
EP 310  Microcomputer Interfacing (3)

ENVIROMENTAL SCIENCE
91-95 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 341  Organic Chemistry I (4)
CH 342  Organic Chemistry Lab I (1)
CH 350  Environmental Chemistry (3)
EV 201  Environmental Science Seminar I (1)
EV 401  Environmental Science Seminar II (1)
EV 454  Risk Assessment Applications (3)

OR
EV 481-483  Internship (3)
EV 491-493  Research (3)
EV xxx  EV Course (300-500 level) (3)
GO 110  Physical Geology (3)
GO 365  Environmental Soil Science (4)
GO 460  Environmental Hydrology (3)
IS 175  Information Systems I (3)

OR
MA 140  Analytical Geometry & Calculus I (5)
MA 223  Elementary Probability & Statistics (3)
PH 120  Introductory Physics I (5)

AND
MA 223  Elementary Probability & Statistics (3)
PH 121  Introductory Physics II (5)

OR
PH 120  Introductory Physics I (5)

AND
MA 334  Computer Programming (3)
MA 350  Differential Equations (3)
MA 544  Numerical Analysis (3)

Choose One 14 Hour Option:
APPLIED PHYSICS AND ENGINEERING

UI 373  Earth & Life Through Time (3)
UI 429  Environmental Ethics (3)
Choose 3 Hours From:
UI 331 Biochemistry I (3)
UI 360 Recycling & Waste Management (3)
UI 372 Earthquakes & Society (3)
UI 386 Environmental Health (3)
UI 387 Environmental Law & Public Policy (3)

Choose One Option:

BIOLOGY (15 Hours)
BI 151 Biological Reasoning (3)
BI 152 Intro to Scientific Investigation (1)
BI 153 Intro to Organismal Biology (4)
BO 200 Plant Biology (3)

OR

ZO 200 Animal Biology (3)

(whichever was not completed in the core)

Choose 4 Hours From:
BI 381 Molecular Genetics (3)
BI 420 Principles of Wildlife Management (3)
BI 430 Management of Wildlife Habitat (3)
BI 432 Advanced Ecology (3)
BI 435 Conservation Biology (3)
BI 440 Ecology & Management of Wetlands (3)
BI 441 Virology (3)
BI 442 Immunology (3)
BI 443 Epidemiology (3)
BI 445 Microbial Physiology (3)
BI 452 Limnology (3)
BI 453 Occupational Health (3)
BI 454 Risk Assessment (3)
BI 455 Industrial Hygiene (3)
BI 460 Introduction to Toxicology (3)
BI 469 Wildlife Toxicology (3)
BI 471-473 Internship in Biology (1-3)
BI 543 Pathogenic Microbiology (2)
BI 544 Pathogenic Microbiology Laboratory (1)
BI 589-591 Biological Research (1-3)
BO 361 Systematic Botany (3)
BO 445 Plant Physiology (3)
BO 461 Native Aquatic Plants (3)
BO 469 Field Botany (3)
ZO 331 Animal Physiology (3)
ZO 459 Mammalogy (3)
ZO 460 Herpetology (3)
ZO 466 Ornithology (3)
ZO 469 Vertebrate Adaptations (3)
ZO 478 Ichthyology (3)

BUSINESS (15 Hours)
AC 221 Principles of Financial Accounting (3)
EC 225 Principles of Macroeconomics (3)
FI 361 Financial Management (3)
MG 301 Principles of Management (3)
MI 375 Management Information Systems (3)
MK 301 Principles of Marketing (3)

NOTE: Admission to an MBA program may require completion of all courses in Business option.

CHEMISTRY (15 Hours)
CH 187 Qualitative Analysis (2)
CH 271 Quantitative Analysis (4)
CH 310 Introduction to Physical Chemistry (5)
UI 443 Prof Experience in Chem (3)

Choose 1 Course From:
CH 343 Organic Chemistry II (3)
CH 344 Organic Chemistry Lab II (2)
CH 391 Undergraduate Research (1-3)
CH 545 Organic Preparations & Characterizations (3)

CH 575 Chemical Instrumentation (4)
CH 531/UI 331 Biochemistry I (3)

INFORMATION SYSTEMS (15 Hours)
IS 130 Visual Basic (3)
IS 275 Information Systems II (3)

9 Hours CS or IS prefix courses at the 300/400 level

ENVIRONMENTAL HEALTH (14-15 Hours)
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)

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

Choose 2-3 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)

GEOPROCESSING AND SOILS (15 Hours)
GO 340 Remote Sensing (3)
GO 445 Geographic Information Systems (3)
GO 458 Environmental Geochemistry (3)
GO 555 Soil Class & Res Mgmt (3)

Choose 3 Hours From:
AO 427 Soil Fertility & Plant Nut (3)
BI 440 Ecology & Mgmt of Wetlands (3)
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 111 Intro to Health Management (3)
HL 120 Health Perspectives (3)
HL 231 Fitness Conditioning (3)
HL 3120 Contemporary Drug Use (3)
HL 331 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 2630 Sports Injury Management (3)
HL 265 Therapeutic Modalities (4)
HL 280 Basic Skills in Athletic Training (1)
HL 282 Practicum in Athletic Training II (1)
HL 321 Advanced Injury Assessment I (3)
HL 322 Advanced Injury Assessment II (3)
HL 3830 Practicum in Athletic Training III (1)
HL 384 Practicum in Athletic Training IV (1)
HL 444 Rehab of Sports Injuries (3)
HL 472 Admin of Athletic Training (3)
HL 480 Seminar in Athletic Training (2)
PE 464 Kinesiology (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)
FN 355 Lifespan Nutrition (3)
HL 260 Health Promotion Practicum (3)
HL 303 Research Methods (3)
HL 332 Lifestyle Disease Risk Reduction (3)

Choose One Option:
HL 432 Health Promotion Programs (3)
HL 490 Program Planning & Evaluating (3)
MG 301 Principles of Management (3)
OR
MK 301 Principles of Marketing (3)
MG 3xxx Upper division MG elective (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
48 Hour Major - No Minor Required
HISTORIC PRESERVATION REQUIREMENTS

Required Courses:
GH 315 Historiography (3)
HP 007 Professional Portfolio Review (0)
HP 100 Intro to Historic Preservation (3)
HP 200 Intro to Techniques of Local History (3)
HP 585 History of American Architecture (3)
HP 588 Legal & Econ Prin of Historic Preserv (3)
US 105 American History I (3)
US 107 American History II (3)

Choose 9 Hours From:
(3 Hours Must be a Problems Course)
HP 405 Archives & Spec Collections Studies (3)
HP 410 Museum Studies (3)
HP 420 Historic Site Administration (3)
HP 450 Problems in Historic Preservation (3)

Choose 6 Hours From:
Any EH, GH, US, or WH 200-500 level or approved departmental UI course

Choose 3 Hours From:
Any EH, GH, US, or WH 400-500 level or approved departmental UI course

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)
ADDITIONAL INTERDISCIPLINARY REQUIREMENTS

Choose 9 Hours From:
AD 101 Intro to Microcomputer Appl (3)
BL 255 Legal Environment of Business (3)
BS 105 Environmental Biology (3)
GO 445 Geog Information Systems (3)
HI 104 Housing & Interior Design (3)
MK 301 Principles of Marketing (3)
TG 100 Intro to Drafting (3)
TG 126 Computer Assisted Drafting (3)
TG 284 Photography Fundamentals (3)
TH 101 Acting for Non-Majors (3)
TH 395 Period & Style (3)
UI 351 Public Opinion (3)
UI 371 Government & Business (3)
UI 400 Business & Ethics (3)
UI 425 Persuasion (3)

Choose 6 Hours From:
AH 511 American Art (3)
HI 532 History of Furniture II (3)
UI 312 Perspectives on the Present (3)
UI 313 African-American Experience (3)
UI 337 Issues in Modern Architecture (3)
UI 339 North American Indians (3)
UI 401 American Cultural Landscapes (3)
UI 414 The American Temper (3)
UI 418 European Mind (3)
UI 446 Civil Rights Movement (3)
UI 503 Alexander the Great (3)

Choose 3 Hours From:
AN 321 Midwestern Archaeology (3)
AN 355 Special Topics in Anthropology (3)
AN 381 North American Archaeology (3)
AN 382 Archaeology: Method & Theory (3)
AN 550 Historical Archaeology (3)
GO 340 Remote Sensing (3)
HP 552 Historic Preservation Field School (3)
UI 373 Historical Geology (3)

HOSPITALITY MANAGEMENT

49 Hour Major - No Minor Required

Required Courses:
FN 150 Intro to Hospitality Mgmt (3)
FN 205 Selection & Preparation of Foods (3)

FN 235 Nutrition for Health (3)*
FN 260 Sanitation/Foodsvc & Hospitality Indus (3)
FN 270 Hotel & Resort Operations (3)
FN 304 Food, Bev & Labor Cost Cntrls (3)
FN 325 Hospitality Law (3)
FN 350 Culinary Theory & Practice (3)
FN 390 Hosp Sales & Marketing (3)
FN 406 Hospitality & Institution Admin (3)
FN 416 Quantity Food Production (4)
FN 473 Intrnship/Foodsvc & Hospitality Envir (12)
FN 515 Yield/Revenue Mgmt for Hosp Indstry (3)

Additional Requirements: 21 Hours
AD 101 Intro to Microcomputer Appl (3)
EC 101 Economic Problems & Policies (3)* OR
EC 215 Prin of Microeconomics (3)*
MA 134 College Algebra (3)*
MG 301 Principles of Management (3)
MG 356 Human Resource Mgmt (3)
MK 301 Principles of Marketing (3)
SN 100 Spanish Language & Culture (3)*

*Fulfills University Studies requirement

HUMAN ENVIRONMENTAL STUDIES:

CHILD DEVELOPMENT OPTION

50 Hour Major - No Minor Required

Required Courses:
CF 102 Personal & Family Relationships (2)
CF 120 The Child: Devel/Conception to Adolsc (3)
CF 126 Facilitating Devel in Young Children (3)
CF 200 Guiding Alternatives/Young Children (3)
CF 290 Preschool Participation (2)
CF 291 Preschool Participation Lab (1)
CF 300 Parent Education (2)
CF 301 Parent Education Lab (1)
CF 316 Prenatal/Infnt Growth & Stimulation (2)
CF 317 Prenatal/Infnt Growth & Stimulation Lab (1)
CF 403 Child & Family Practicum (3)
CF 430 Parent Child Instrctns: Systems Appr (3)
CF 450 Teaching Young Children. Ages 3-5 (3)
CF 501 Preschool Practicum (3)
CF 512 Family & Comm Resources (3)
EX 390 Psych & Educ of the Exceptional Child (3)
FN 425 Hlth/Nutrition/Safety of Young Child (3)

Choose 9 Hours From:
CF 312 Organiz & Mgt of Childcare Centers (3)
CF 409 School Age Child Care (3)
CF 502 Preschool Children/Comptr Techn (3)
HUMAN ENVIRONMENTAL STUDIES:

DIETETICS OPTION

47 Hour Major - No Minor Required

Required Courses:
- CF 506 Theories & Issues in Child Development (3)
- CF 509 Child Life Services (3)
- CF 530 Research & Issues in Child Development (3)

**HUMAN ENVIRONMENTAL STUDIES:**

**FAMILY STUDIES OPTION**

44 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 Gerontology Practicum I (3)
- CF 209 Intro to Family Systems (3)
- CF 300 Parent Education (2)
- CF 301 Parent Education Lab (1)
- CF 320 Life Skills Education (3)
- CF 340 Family Advocacy Practicum (3)
- CF 402 Marriage Interaction (3)
- CF 405 Special Population Practicum (3)
- CF 430 Parent-Child Interaction (3)
- CF 512 Family & Comm Resources (3)
- CF 520 Family Assessment (3)
- CF 565 Family Service Internship (6)

Additional Requirements: 9 hours
- FE 200 Family Resource Management (3)
- SW 121 Helping Skills in Human Services (3)
- SW 207 Undrstndg Cultrl & Soc Diversity (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 Principles of Management (3)
- MG 356 Human Resources Management I (3)
**HUMAN ENVIRONMENTAL STUDIES:**

**HOUSING & INTERIOR DESIGN OPTION**

*45 Hour Major - No Minor Required*

**Required Courses:**
- CT 207 Textiles I (3)
- HI 104 Housing & Interior Design I (3)
- HI 220 Lighting & Interior Systems (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 3 Hours From:**
- 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**
- 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 Aided Drafting (3)
- TG 226 Residential Arch Drftg & Design (3)
- TG 322 Comm Arch Drftg & Design (3)

**INDUSTRIAL TECHNOLOGY**

*79 Hour Major - No Minor Required*

**Required Courses:**
- 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 (3)
- MA 134 College Algebra (3)
- MA 139 Applied Calculus (3)
- MN 22 Engineering Econ Analysis (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 410 Manufac Research/Global Society (3)

*Construction Management and Design and Industrial Management options must take CH181; Telecommunications & Computer Networking option must take PH121.

**Choose One Option:**

**CONSTRUCTION MANAGEMENT & DESIGN (39 Hours)**
- CM 243 Construction Methods & Matls (3)
- CM 310 Construction Building Codes (3)
- CM 315 Construction Contracts & Legal Issues (3)
- CM 320 Construction Cost Estimating (3)
- CM 325 Bldg Mechanical & Electrical Syst (3)
- CM 330 Construction Planning Scheduling (3)
- CM 343 Construction Surveying & Testing (3)
- CM 410 Construction Project Administration (3)
- IM 317 Internship (3)
- MN 319 Statics & Strength of Materials (3)
- TG 126 Computer Aided Arch Drafting (3)
- TG 226 Resid Arch Drafting & Design (3)
- TG 322 Comm Arch Drftg & Design (3)

**INDUSTRIAL MANAGEMENT (39 Hours)**
- ET 160 Basic Electricity & Electronics (3)
- ET 194 Intro to PLCs (3)
- IM 313 Facilities Planning (3)
- IM 315 Work Measurement (3)
- IM 411 Total Quality Assurance (3)
- IM 417 Manufacturing Resource Analysis (3)
- MG 301 Principles of Management (3)
- MN 170 Industrial Materials & Testing (3)
- MN 203 Industrial Materials & Process I (3)
- MN 204 Industrial Materials & Processes II (3)
- QM 352 Quantitative Methods (3)
- TG 120 Computer Aided Eng. Graphics (3)
- TG 125 Print Reading for Industry (3)

**TECHNICAL GRAPHICS (39 Hours)**
- TG 120 Computer Aided Eng. Graphics (3)
- TG 125 Print Reading for Industry (3)
- TG 180 Intro to Indus Graphics (3)
- TG 280 Vect & Bittmp Graph for Indus (3)
- TG 220 Solid Modeling & Rapid Prototyping (3)
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**TELECOMMUNICATION & COMPUTER NETWORKING (39 Hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TG 226</td>
<td>Resid Arch Drft &amp; Design</td>
<td>(3)</td>
</tr>
<tr>
<td>TG 282</td>
<td>Electronic Publishing</td>
<td>(3)</td>
</tr>
<tr>
<td>TG 284</td>
<td>Photography Fundamentals</td>
<td>(3)</td>
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<tr>
<td><strong>OR</strong></td>
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<tr>
<td>TG 322</td>
<td>Comm Arch Drft &amp; Design</td>
<td>(3)</td>
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<tr>
<td>TG 324</td>
<td>Design Modeling &amp; Processes</td>
<td>(3)</td>
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<tr>
<td>TG 326</td>
<td>Advanced Production Drafting</td>
<td>(3)</td>
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<tr>
<td>TG 386</td>
<td>Interactive Multimedia &amp; Animation</td>
<td>(3)</td>
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<tr>
<td>TG 482</td>
<td>Multicolor Print Processes</td>
<td>(3)</td>
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<tr>
<td>TG 490</td>
<td>Advanced Graphics Projects</td>
<td>(3)</td>
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<tr>
<td><strong>TELECOMMUNICATION &amp; COMPUTER NETWORKING</strong></td>
<td><strong>(39 Hours)</strong></td>
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<tr>
<td>ET 160</td>
<td>Basic Electricity &amp; Electronics</td>
<td>(3)</td>
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<tr>
<td>ET 194</td>
<td>Fundamentals of PLCs</td>
<td>(3)</td>
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<tr>
<td>ET 245</td>
<td>Logic Circuits</td>
<td>(3)</td>
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<tr>
<td>ET 254</td>
<td>Fiber Optics &amp; Network Comm</td>
<td>(3)</td>
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<tr>
<td>ET 255</td>
<td>Microcomputer Maint &amp; Troubleshooting</td>
<td>(3)</td>
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<tr>
<td>ET 275</td>
<td>Network Routing &amp; Switching I</td>
<td>(3)</td>
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<tr>
<td>ET 375</td>
<td>Network Routing &amp; Switching II</td>
<td>(3)</td>
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<tr>
<td>ET 395</td>
<td>Server Maint &amp; Troubleshooting</td>
<td>(3)</td>
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<tr>
<td>ET 425</td>
<td>Wireless Comm &amp; Mobile Data Netwk</td>
<td>(3)</td>
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<tr>
<td>ET 435</td>
<td>Network Security</td>
<td>(3)</td>
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<tr>
<td>MI 440</td>
<td>Web Design Electronic Comm</td>
<td>(3)</td>
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<td><strong>OR</strong></td>
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<tr>
<td>IS 175</td>
<td>Information Systems I</td>
<td>(3)</td>
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<tr>
<td>MI 445</td>
<td>System Analysis &amp; Design</td>
<td>(3)</td>
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<td><strong>OR</strong></td>
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<tr>
<td>IS 275</td>
<td>Information Systems II</td>
<td>(3)</td>
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<tr>
<td>MN 412</td>
<td>Adv Manufacturing Systems</td>
<td>(3)</td>
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<tr>
<td><strong>OR</strong></td>
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<tr>
<td>IM 317</td>
<td>Cooperative Industrial Internship</td>
<td>(3)</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](http://www4.semo.edu/iet/technology.htm) for further information.

**INTERDISCIPLINARY STUDIES**

**72 Hour Major - No Minor Required**

For details about the Interdisciplinary Studies major, students should contact the School of University Studies or visit the School of University Studies web page at [http://semo.edu/ustudies](http://semo.edu/ustudies). Students must complete the interdisciplinary contract prior to the senior year. A cumulative GPA of 2.5 is required for graduation.

**MASS COMMUNICATION**

**35-36 Hour Major - Minor Required**

(A grade of ‘C’ or better is required in all courses within the major except MC 486 & MC 496 which are credit/no credit courses.)

**Required Courses:**

- MC 101 Mass Communication & Society  (3)
- MC 201 Writing for the Mass Media   (3)
- MC 301 Mass Comm Theory & Resrch    (3)
- MC 401 Communication Law            (3)
- MC 486 Internship in Mass Communication (3)

**OR**

- MC 496 Practicum in Mass Comm     (3)
- MC xxxx Mass Communication electives (6)

**Additional Requirement:**

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

*A grade of ‘C’ or better is required in MA 155 and UI 382.

**Choose One 15 Hour Option:**

**ADVERTISING**

- MC 310 Advertising Comm Strategies (3)
- MC 312 Advertising Creative Concepts (3)
- MC 314 Adv Social Issues/Responsibilities (3)
- MC 316 Advertising Media            (3)
- MC 418 Advertising Campaigns        (3)

**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 482 Special Problems             (3)

**RADIO**

- MC 340 Basic Radio                  (2)
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**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 366** TV Directing (3)  
**MC 458** Advanced Video Production (3)  
**MC 467** Television Systems (3)  

**NOTE:** Of the 83 hours required outside of the major, 68 hours must be from traditional Arts and Science courses.

### MATHEMATICS

**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 240** Analytic Geometry & Calculus III (3)  
**MA 250** Foundations of Mathematics (3)  
**MA 448** Mathematics Seminar (1)  

**Choose One 24 Hour Option:**  

**PURE MATHEMATICS**  
**MA 345** Linear Algebra (3)  
**MA 445** Modern Algebra (3)  
**MA 523** Probability & Statistics I (3)  
**MA 546** Advanced Calculus I (3)  

**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**  
**MA 223** Elem Probability & Statistics (3)  

**Choose 3 Hours From:**  

**MA 445** Modern Algebra (3)  
**MA 523** Probability & Statistics I (3)  
**MA 546** Advanced Calculus I (3)  

**Choose 15 Hours From (include at least 3 MA courses):**  

**MA 245** Vector Calculus (2)  
**MA 334** Computer Programming (3)  
**MA 338** Discrete Math II (3)  
**MA 345** Linear Algebra (3)  
**MA 350** Differential Equations I (3)  
**MA 423** Statistical Analysis for Forensic Science (3)  
**MA 464** Mathematical Cryptography (3)  
**MA 486-488** Internship in Mathematics (1-3)  
**MA 523** Probability & Statistics I (3)  

**MA 524** Probability & Statistics II (3)  
**MA 544** Numerical Analysis (3)  
**MA 545** Linear Algebra & Matrices (3)  
**MA 546** Advanced Calculus I (3)  
**MA 547** Advanced Calculus II (3)  
**MA 550** Differential Equations II (3)  
**MA 570** Mathematical Physics (3)  

**Choose 3 Hours From:**  

**MA 524** Probability & Statistics 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** Molecular Genetics (3)  
**BI 442** Immunology (3)  
**BI 543** Pathogenic Microbiology (2)  
**BI 544** Pathogenic Microbiology Laboratory (1)  
**BS 103** Human Biology (3)  

**OR**  
**BS 108** Biology for Living (3)  

**OR**  
**BI 154** Genetics & Cellular Biology (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)  
**MA 134** College Algebra or H.S. equiv (0-3)  
**MA 223** Elem Probability & Statistics (3)  
**ZO 331** Animal Physiology (3)
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**PHYSICS**

56 Hour Major - No Minor Required

Required Courses:
- EP 100 Physics & Engineering Concepts (1)
- EP 340 Electronic Circuits I (4)
- EP 361 Thermal Analysis (3)
- EP 462 Materials Science (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)
- PH 473 Quantum Mechanics (3)
- PH 477 Physics Seminar (1)
- PH 478 Undergraduate Research (1)
- PH 479 Undergraduate Research (2)
- PH 570 Mathematical Physics (3)

Choose 7 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)

**POLITICAL SCIENCE**

36 Hour Major - Minor Required

Required Courses:
- PS 001 Senior Assessment (0)
- 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)

Select 3 Hours from Each of the Five Categories, plus 6 Additional Hours From One Category

(9 Hours of PS courses must be 300-500 level)

**American Government & Politics**
- PS 230 American Public Policy (3)
- PS 310 Govt & Politics in American States (3)
- PS 335 American Foreign Policy (3)
- PS 360 Political Parties & Voting Behavior (3)
- PS 365 Legislative Process (3)
- PS 387-389 Independent Study in Poli Sci (1-3)
- PS 390 American Judicial System (3)
- PS 418 Public Policy Analysis (3)
- PS 490 Constitutional Law (3)
- UI 320 Modern Presidency (3)

**Comparative Government & Politics**
- PS 355 Less Developed Nations (3)
- PS 377 Govt & Pol of East Asia (3)
- PS 387-389 Independent Study in Poli Sci (1-3)
- PS 460 Govt & Politics West Europe (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 in Poli Sci (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 in Poli Sci (1-3)
- PS 402 Fund of Public Administration (3)
- PS 403 Public Personnel Administration (3)
- PS 405 Org Theory/Behavior (3)
- PS 415 Government Budgeting Process (3)
- PS 418 Public Policy Analysis (3)
- PS 425 Administrative Law & Procedure (3)

**Political Theory**
- PS 387-389 Independent Study in Poli Sci (1-3)
- 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)

Choose 6 Additional Hours PS Electives

Additional Requirements: 11 Hours
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AD 101 Intro to Microcomp Appl (3)

Choose 3 Hours of Statistics:
MA 223 Elem Probability & Statistics (3)
PY 271 Research Design & Analysis I (3)
PY 571 Intro to Behavioral Statistics (3)
QM 257 Business Statistics (3)
SO 242 Statistics for Social Scientists (3)

Additional Math Requirement:
MA xxx 5 Hours MA 123 or above (except MA 230, 318, 418)

PSYCHOLOGY

36 Hour Major - Minor Required

Required Core Courses:
PY 102 Intro to Psychology (3)
PY 271 Research Design & Analysis I (3)
PY 370 Research Design & Analysis II (3)
PY 484 Advanced Research in Psychology (3)
PY 497 Historical Development of Psychology (3)

Extended Core Courses: (Choose One Course From Each of the Following Five Areas) (15 hours)

Basic Processes
PY 362 Learning & Memory (3)
PY 366 Intro to Sensation & Perception (3)
PY 466 Intro to Physiological Psychology (3)

Clinical/Psychology
PY 432 Intro to Personality (3)
PY 440 Abnormal Psychology (3)
PY 441 Intro to Clinical Psychology (3)
PY 442 Psychotherapy (3)
PY 444 Childhood Psychopathology (3)
PY 495 Internship in Psychology (3)
PY 531 Psychological Testing (3)

Cognition
PY 353 Social Cognition (3)
PY 460 Cognitive Processes (3)
PY 364 Comparative Cognition (3)

Developmental Psychology
PY 325 Psychological Devel of the Family (3)
PY 329 Psychology of Death & Dying (3)
PY 444 Childhood Psychopathology (3)
PY 495 Internship in Psychology (3)
PY 521 Advanced Child Development (3)
PY 525 Maturity & Aging (3)

Social/Applied Psychology
PY 250 Applied Psychology (3)
PY 251 Industrial/Organizational Psychology (3)
PY 358 Social Psychology (3)
PY 359 Psychology & the Law (3)
PY 495 Internship in Psychology (3)

RECREATION

57 Hour Major - No Minor Required

Required Courses:
RC 100 Leisure in a Diverse Culture (3)
RC 140 Intro to Recreation Services (3)
RC 220 Leadership and Group Dynamics (3)
RC 260 Intro to Therapeutic Recreation (3)
RC 288 Practicum in Recreation Services (3)
RC 303 Research Methods (3)
RC 380 Programming for Recreation Services (3)
RC 385 Rec Facilities Planning & Mgmt (3)
RC 405 Trends & Issues in Rec & Leisure (3)
RC 420 Organization & Admin of Rec Svcs (3)
RC 440 Facilitation of Group Development (3)
RC 497 Recreation Internship (12)

Choose 12 Hours From:
RC 112 Intro to Music Therapy (3)
RC 116 Special Topics in Health & Leisure (1-3)
RC 119 Outdoor Adventure Special Topics (1-3)
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RC 210 Camp Leadership (3)
RC 230 Recreational Sports (3)
RC 245 Mentoring Principles & Practices (3)
RC 250 Foundations of Outdoor Recreation (3)
RC 270 Commercial Recreation (3)
RC 300 Leisure Education (3)
RC 316 Special Topics in Health & Leisure (1-3)
RC 324 Independent Study/Therapeutic Rec (3)
RC 345 Youth Development Through Leisure (3)
RC 360 Therapeutic & Adapted Rec Svcs (3)
RC 450 Outdoor Adventure Therapy (3)
RC 460 Problems & Issues in Therapeutic Rec (3)
UI 354 Lifestyle Enhancement (3)*
UI 387 Environ Law & Public Policy (3)*
UI 427 Service & Community (3)*
UI 429 Environmental Ethics (3)*

*Only 3 hours of UI courses may be applied to the elective hours.

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

57 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:
SW 110 Intro to Social Work (3)
SW 201 Social & Economic Justice (3)
SW 221 Interviewing Skills for Generalist Pract (3)
SW 242 Statistics for Social Scientists (3)
SW 307 Human Behav/Social Environment I (3)
SW 308 Human Behav/Social Environment II (3)
SW 310 Social Welfare Policies & Services (3)
SW 321 Social Work Practice I (3)
SW 322 Social Work Practice II (3)
SW 323 Social Work Practice III (3)
SW 342 Meth of Soc Resrch/Generalist Practc (3)
SW 449 Social Work Integrative Seminar (3)
SW 450 Field Education (6)
SW 451 Field Education (6)

Choose 6 Hours From:
HS 551 Case Management (3)
SW 351 Child Welfare Services (3)
SW 352 Social Welfare Services to the Aged (3)
SW 353 Child Development (3)
SW 354 Crisis Intervention (3)
SW 355 Special Topics in Social Work (3)
SW 356 Social Work in Mental Health (3)
SW 387-389 Independent Study in Social Work (1-3)

(With approval from advisor, one other 300 or 400 level course may be substituted for a Social Work elective.)

Additional Requirements: 9 Hours
SW/BS 103 Human Biology (3)
PY 101 Psych Perspectives/Human Behavior (3)
SO 102 Society, Culture & Social Behavior (3)

SPORT MANAGEMENT

41 Hour Major - Business Administration Minor

Required Core Courses:
MK 351 Sport Marketing (3)
PE 201 Sport & Society (3)
SM 220 Intro to Sport Management (3)
SM 340 Sport Ethics (3)
SM 360 Sporting Event Management (3)
SM 370 Practicum in Sport Management (2)
SM 455 Sport-Related Venue Design & Operation (3)
SM 460 Fund of Sport Delivery Systems (3)
SM 470 Sport Management Internship (12)
SM 540 Legal Aspects of Sport & Physical Activity (3)
SM 570 Mgmt & Leadership in Sport Organizations (3)

Required Support Courses:
MC 101 Mass Communication & Society (3)
PL 204 Ethical Theory (3)
SC 105 Fundamentals of Oral Communication (3)
SC 155 Fundamentals of Interpersonal Communication (3)

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION DEGREE

For students planning careers in business. See Admission to Business Administration Programs criteria under Admissions, page xx. The areas from which majors must be chosen are:

Accounting
Administrative Systems Management
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Economics
Options: Business Economics
Financial Economics

Finance
International Business
Management
Options: Human Resource Management
Organizational Leadership
Management Information Systems
Marketing
Options: Integrated Marketing
Communications
Marketing Management
Organizational Administration

Fifty percent of an individual's business degree program (60 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 Principles of Management (3)
- MI 375 Management Information Systems (3)
- MK 301 Principles of Marketing (3)
- QM 352 Quantitative Methods in Business (3)
- QM 358 Production/Operations Management (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

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 375 Financial Statement Analysis (3)
- AC 531 Strategic/Cost Managerial Accounting (3)
- AC 534 Advanced Accounting (3)
- AC 540 International Perspectives in Accctg (3)
- AC 545 Advanced Income Tax Accounting (3)
- AC 547 Accounting Theory (3)
- AC 548 Not-For-Profit Accounting (3)
- AC 573 Internship in Accounting (3)
- BL 563 Law & Business (3)

ADMINISTRATIVE SYSTEMS MANAGEMENT

21 Hour Major - No Minor Required

Required Courses:
- AD 222 Microcomputer Appl for Business (3)
- AD 331 Advanced Word Processing (3)
- AD 339 Network Support Systems (3)
- AD 341 Information Systems Procedures (3)
- AD 353 Admin Systems Management (3)
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Choose 6 Hours From:
- AC 330 Accounting Information Systems (3)
- AD 210 Business Computing Fundamentals (3)
- AD 337 Admin Systems Mgmt Internship (3)
- IS 130 Visual Basic Programming I (3)
- MG 356 Human Resources Management I (3)
- UI 301 Managerial Communication Processes (3)

ECONOMICS
25 Hour Major - No Minor Required
Choose One 25 Hour Option:
BUSINESS ECONOMICS
- EC 410 Macroeconomic Theory (3)
- EC 420 Microeconomic Theory (3)
- EC 498 Economics Seminar (1)
- EC 561 Managerial Economics (3)

Choose 6 Hours From:
- EC 351 Applied Economic Models (3)
- EC 380 Labor Economics (3)
- EC 490 Business & Econ Forecasting (3)
- UI 371 Government & Business (3)

Choose 9 Hours From:
- EC xxx EC course, (235-500 level)
- UI 349 Comparative Economic Systems (3)
- UI 366 Law and Economics (3)

FINANCIAL ECONOMICS
- EC 335 Monetary Economics (3)
- EC 410 Macroeconomic Theory (3)
- EC 420 Microeconomic Theory (3)
- FI 364 Modern Financial Institutions (3)
- EC 498 Economics Seminar (1)

Choose 6 Hours From:
- EC 351 Applied Economic Models (3)
- EC 470 Public Sector Economics (3)
- EC 580 International Economics (3)
- FI 368 Investments (3)

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 363 Small Business Finance (3)
- FI 365 Real Estate Principles & Practices (3)
- FI 540 International Finance (3)
- FI 473 Internship in Finance (3)
- FI 475 Futures Seminar (3)
- FI 491-493 Independent Study in Finance (1-3)
- FI 568 Portfolio Seminar (3)
- AC/EC One of the following courses:
- 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:
- AN383 Cultures of the Third World (3)
- PS 335 American Foreign Policy (3)
- PS 380 International Organizations (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 of International Business Programs)
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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 Skills (3)
- MG 462 Org Theory & Design (3)

Choose One 15 Hour Option:
HUMAN RESOURCE MANAGEMENT
Required Courses:
- MG 446 Human Resource Management II (3)
- MG 456 Topics in Human Resource Mgmt (3)

Choose 9 Hours From the Following:
- BA 361 Small Bus Mgmt/New Venture Creation (3)
- EC 380 Labor Economics (3)
- MG 354 Topics in Mgmt Comm (3)
- MG 356 Human Resource Mgmt I (3)
- MG 457 Topics in Organizational Behavior (3)
- MG 470 Leadership in Mgmt (3)
- MG 473 Internship in Management (3)
- MG 548 Project Management (3)
- MI 410 Business Database Systems (3)
- IM 411 Total Quality Assurance (3)

ORGANIZATIONAL LEADERSHIP
Required Courses:
- MG 470 Leadership in Management (3)
- MG 550 Improving Team Performance (3)

Choose 9 Hours from the following:
- BA 361 Small Bus Mgmt/New Venture Creation (3)
- IM 411 Total Quality Assurance (3)
- MG 354 Topics in Mgmt Comm (3)
- MG 356 Human Resource Mgmt I (3)
- MG 446 Human Resource Mgmt II (3)
- MG 456 Topics in Human Resource Mgmt (3)
- MG 457 Topics in Organizational Behavior (3)
- MG 473 Internship in Management (3)
- MG 548 Project Management (3)
- MI 410 Business Database Systems (3)

MANAGEMENT INFORMATION SYSTEMS

24 Hour Major - No Minor Required
Required Courses:
- IS 130 Visual Basic Programming I (3)
- MI 410 Business Database Systems (3)
- MI 420 Telecommunications Mgmt (3)
- MI 440 Web Design for Electronic Commerce (3)
- MI 445 Systems Analysis & Design (3)
- MI 464 Systems Implementation & Practice (3)

Choose 6 Hours From:
- AC 330 Accctg Info Systems (3)
- AD 339 Network Support Systems (3)
- CS 265 Computer Science II (4)

OR
- IS 330 Visual Basic Prgmg II (3)
- ET462 Networking I (3)
- MI 430 Knowl-Bsd Dec Sprt Syst for Mgmt (3)
- MI 439 Electronic Commerce (3)
- MI 575 Information Technology Mgmt (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:
INTEGRATED MARKETING COMMUNICATIONS
- MK 341 Public Relations (3)
- MK 342 Professional Selling (3)
- MK 443 Integrated Mktg Comm Pract (3)

MARKETING MANAGEMENT
- MK 346 Distribution Management (3)
- MK 348 Product & Pricing Strategy (3)
- MK 473 Marketing Internship (3)

OR
- MK 483 Pract in Strategic Marketing (3)

ORGANIZATIONAL ADMINISTRATION

24 Hour Major - No Minor Required
Required Courses:
- AC 375 Financial Statement Analysis (3)
- EC 561 Managerial Economics (3)
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MG 354 Topics in Management Communication (3)
MG 362 Management Skills (3)
MG 462 Org Theory & Design (3)
MK 343 Advertising and Promotion (3)

Choose 6 Hours From Business Courses (300-500 Level)

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 xx. 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 three semester hours of English Composition with grades of 'C' or better to meet certification requirements.

EARLY CHILDHOOD EDUCATION

Professional Education Requirements: 63 Hours
(A minimum grade of "C" is required in each professional education course.)

BLOCK I: 5 Hours
PY/CF 120 The Child: Devel/Conception to Adolsc (3)
EL 120 Elementary Field Experience I (2)

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: 14 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)
EX 390 Psych & Educ of the Except Child (3)

EARLY CHILDHOOD BLOCK: 18 Hours
CE 340 Parent/School Collaborations (3)
CE 365 Conncct 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 (3)
CF 300 Parent Education (2)
CF 301 Parent Education Lab (1)

BLOCK IV: 12 Hours
CE 499 Portfolio Review (0)
CE 433 Student Tching Early Childhood (1st) (6)
CE 434 Student Tching Early Childhood (2nd) (6)

Special Early Childhood Requirements: 14 Hours
BS 118 Intro Process Science Elem Teachers (1)
CF 200 Guiding Alternatives (3)
OR
CE 330 Classroom Management (3)
CF 290 Preschool Participation (2)
CF 291 Preschool Participation Laboratory (1)
CF 316 Prenatal & Infant Growth (2)
CF 317 Prenatal & Infant Growth Laboratory (1)
FN 425 Health, Safety & Nutrition (3)
MU 356 Music Skills/Classroom Teacher (1)

Additional Requirements: 33 Hours
(Some courses may fulfill University Studies requirements)
BS 218 Biological Science: A Process Approch (3)
EC 101 Economic Problems & Policies (3)
OR
EC 215 Principles of Microeconomics (3)
OR
AG 201 World Food & Society (3)
EN 140 Rhetoric & Critical Thinking (3)
LI 243 Children's Literature (3)
MA 118 Mathematics I (3)
PH 218 Physical Science: A Process Approach (3)
PS 103 U.S. Political Systems (3)
SC 105 Fundamentals of Oral Communication (3)
SO 102 Soc, Culture & Social Behvr (3)
OR
SO 120 Cities and Society (3)
OR
SW 207 Understanding Culture/Soc Diversity (3)
UI 318 Earth Science: A Process Approach (3)
US 105 American History I (3)
OR
US 107 American History II (3)
ELEMENTARY EDUCATION

In addition to other requirements, an Area of Specialization must be chosen from:

- Art
- Early Childhood
- Foreign Languages
- Language & Literature
- Mathematics
- Music
- Physical Education
- Science
- Social Studies
- TESOL

Professional Education Requirements: 48 Hours
(A minimum grade of "C" is required in each professional education course.)

**BLOCK I: 5 Hours**

- PY/CF 120 The Child: Devel/Conception to Adolsc (3)
- EL 120 Elementary Field Experience (2)

**BLOCK II: 15 Hours**

- ED 255 Children & the Arts (3)
- EP 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)

**BLOCK IV: 12 Hours**

- EL 499 Portfolio Review (0)
- 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: 36 Hours
(These courses may also meet University Studies requirements)

- BS 218 Biological Science: A Process Apprch (3)
- EC xxx Economics course (3)
- EN 140 Rhetoric & Critical Thinking (3)
- LI 243 Children’s Literature (3)
- MA 118 Mathematics I (3)
- PH 218 Physical Science: A Process Approach (3)

**EXCEPTIONAL CHILD EDUCATION WITH ELEMENTARY CERTIFICATION**

Professional Education Requirements: 77 Hours
(A minimum grade of "C" is required in each professional education course.)

**BLOCK I: 11 Hours**

- EL 120 Elementary Field Experience (2)
- EX 200 Intro to the Exceptional Child (3)
- EX 273 Intro to Cross Categorical (3)
- PY/CF 120 The Child:Devel/Conception to Adolsc (3)

**BLOCK II: 18 Hours**

- ED 255 Children & the Arts (3)
- 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 302 Language Devel of the Except Child (2)
- EX 307 Parents & the Exception Child (3)

**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 312 Diag & Remed of L D in Math (3)

**BLOCK IIIa: 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 312 Diag & Remed of L D in Math (3)

**BLOCK IIIb: 17 Hours**

- EF 200 School & Society (2)
- EX 304 Behavior Management (3)
- EX 305 Teach Strat/Career Dev for MH Adoles (3)
- EX 309 Except Child Educ Field Experience (3)
- EX 317 Assmt & Tech of Teaching Except Child (3)
- EX 373 Techniques of Cross Categorical (3)
**Bachelor of Science in Education Majors**

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**BLOCK IV: 12 Hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL 455</td>
<td>Student Teaching Elem (8)</td>
</tr>
<tr>
<td>EX 471</td>
<td>Student Teaching CC (6)</td>
</tr>
<tr>
<td>EX 499</td>
<td>Portfolio Review (0)</td>
</tr>
</tbody>
</table>

**Special Exceptional Child Requirement:** 4 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS 118</td>
<td>Intro Process Science Elem Teachers (1)</td>
</tr>
<tr>
<td>HL 210</td>
<td>Health &amp; Safety (2)</td>
</tr>
<tr>
<td>MU 356</td>
<td>Music Skills/Classroom Teacher (1)</td>
</tr>
</tbody>
</table>

**Additional Requirements:** 33 Hours

(Some courses may also meet University Studies requirements)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS 218</td>
<td>Biological Science: A Process Approach (3)</td>
</tr>
<tr>
<td>EC xxx</td>
<td>Economics course (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>MA 318</td>
<td>Mathematics II (3)</td>
</tr>
<tr>
<td>MA 418</td>
<td>Geometry for Teachers (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>SO 102</td>
<td>Soc, Culture &amp; Social Behr (3)</td>
</tr>
<tr>
<td>SO 120</td>
<td>Cities and Society (3)</td>
</tr>
<tr>
<td>SW 207</td>
<td>Understanding Culture/Soc Diversity (3)</td>
</tr>
<tr>
<td>UI 308</td>
<td>Physical &amp; Cultural Landscapes (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>
<tr>
<td>SE 250</td>
<td>Fundamentals of Middle School Education (3)</td>
</tr>
<tr>
<td>SE 251</td>
<td>Teaching Reading &amp; Writing in Mid School (3)</td>
</tr>
<tr>
<td>SE 270</td>
<td>Secondary Block II Field Experience (2)</td>
</tr>
<tr>
<td>SE 271</td>
<td>Theories of Learning &amp; Management (2)</td>
</tr>
<tr>
<td>SE 272</td>
<td>Teaching Reading/Secondary School (2)</td>
</tr>
<tr>
<td>SE 275</td>
<td>Diversity in America's Schools (3)</td>
</tr>
</tbody>
</table>

**MIDDLE AND SECONDARY EDUCATION**

**MIDDLE SCHOOL EDUCATION:** Grades 5-9

**Middle School Professional Education Requirements:** 43 Hours

Middle Level students must choose two subject area concentrations and take the following professional education courses:

(A minimum grade of "C" is required in each professional education course.)

**BLOCK I:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE 222</td>
<td>Intro to Middle &amp; Secondary Educ (0)</td>
</tr>
</tbody>
</table>

**BLOCK II:** 17 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EF 200</td>
<td>School &amp; Society (2)</td>
</tr>
</tbody>
</table>

**BLOCK III:** 13 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EF 400</td>
<td>Seminar/Educ Issues for Student Teachers (1)</td>
</tr>
<tr>
<td>SE 463</td>
<td>Student Teaching Secondary (1st) (6)</td>
</tr>
<tr>
<td>SE 464</td>
<td>Student Teaching Secondary (2nd) (6)</td>
</tr>
</tbody>
</table>

**Choose One Option**

**OPTION I:** Middle School Majors must take Option I with Two Areas of Concentration (42-43 Hours) (See advisor for specific courses required in each option.)

- Language Arts (21)
- Mathematics (21)
- Science (22)
- Social Studies (21)

**OPTION II:** Single Concentration for Secondary Major adding Middle or an Elementary Major adding Middle (Middle Level must complete Option I) (30-33 Hours)

- Language Arts (30)
- Mathematics (30)
- Science (33)
- Social Studies (30)

*Middle level majors must chose two areas of concentration, which require two Techniques courses and each Techniques course requires its own specialty SE37X Middle Block III Field Experience for a total of 2 hours of Block III field experience.*
SECONDARY EDUCATION

Secondary level majors must choose from the following majors:

- Art Education (K-12)
- Biology Education
- Business & Marketing Education
- Chemistry Education
- English Education
- French Education (K-12)
- German Education (K-12)
- Industrial Education
- Mathematics Education

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.

A minimum grade of "C" is required in each course in the content major and in each professional education course.

Secondary Professional Education Requirements: 37 Hours

**BLOCK I:**
- SE 222 Intro to Middle & Secondary Educ (0)

**BLOCK II:** 14 Hours
- EF 200 School & Society (2)
- SE 270 Secondary Block II Field Experience (2)
- SE 271 Theories of Learning & Management (2)
- SE 272 Teaching Reading/Secondary School (2)
- SE 273 Fund of High School Education (3)
- SE 275 Diversity in America's Schools (3)

**BLOCK III:** 10 Hours
- EX 390 Psychology & Educ of Except Child (3)
- SE 300 Technology to Enhance Learning (2)
- SE xxx Special Subject Techniques Course (3)
- SE 370 Secondary Block III Field Experience (2)

**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 - Middle School & Secondary Education: 12-18 hours
(These courses may meet University Studies requirements and must be completed with a minimum grade of "C")

- EN 140 Rhetoric & Critical Thinking (3)
- PY 222 Development of the Adolescent (3)
- SC 105 Fundamentals of Oral Communication (3)

**Any BI/BS course (3)**
- US105 American Hist. I or US107 American Hist. II (3)
- PS103 US Political Systems (3)

**Any CH, PH, GO course or UI373 Historical Geology (3-5)**

**Middle Level students only must also take:**
- MA 118 Mathematics I (3)
- MA 318 Mathematics II (3)

ART EDUCATION

42 Hour Major - No Minor Required
(A grade of 'C' or better is required in all courses within the major.)

**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 150 Structural Figure Drawing (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 202 Drawing II: Human Figure (3)
- 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)**
Two pieces of artwork must be entered in the juried student assessment exhibition each year.
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BIOLOGY EDUCATION

51 Hour Major - No Minor Required
(A grade of 'C' or better is required in all courses within the major.)

Required Courses:
- BI 003 Biology Major Field Assessment (0)
- BI 151 Biological Reasoning (3)
- BI 152 Intro to Scientific Investigation (1)
- BI 153 Intro to Organismal Biology (4)
- BI 154 Genetics and Cell Biology (4)
- BI 200 General Microbiology (3)
- BI 489 Analysis of Biological Issues (2)
- MA 133 Plane Trigonometry (3)
- MA 134 College Algebra (3)
- UI 422 Philosophy of Science (3)

Choose One Option:

BIOLGY EDUCATION OPTION:
- BS 105 Environmental Biology (3)
OR
- BI 332 General Ecology (3)
- BS 113 Anatomy & Physiology I (3)
AND
- BS 114 Anatomy & Physiology II (3)
OR
- 6 hours Biology electives - BI/BO/ZO 300 level or higher*
- PH 106 Physical Concepts (3)
OR
- PH 120 Intro Physics I (5)
AND
- PH 121 Intro Physics II (5)
- CH 181 Basic Prin of Chemistry (5)
OR
- CH 185 General Chemistry I (5)
AND
- CH 186 General Chemistry II (3)

Choose one of the following:
- 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)

*One course must be BO or ZO prefix is BS 113/BS 114 are not chosen

BUSINESS AND MARKETING EDUCATION

42 Hour Major - No Minor Required
(A grade of 'C' or better is required in all courses within the major.)

Required Courses:
- AC 221 Princ of Financial Accounting (3)
- AC 222 Princ of Managerial Accounting (3)
- AD 101 Intro to Microcomputer Appl (3)
- AD 210 Business Computing Fundamentals (3)
- AD 222 Microcomputer Appl for Business (3)
- AD 331 Advanced Word Processing (3)
- AD 339 Network Support Systems (3)
- AD 341 Information Systems Procedures (3)
- AD 337 Admin Sytems Mgmt Internship (3)
- AD 526 Improv of Curric in Busn & Mrktg Educ (3)
- AD 527 Implement Busn & Mrktg Educ (3)
- BL 255 Legal Environment of Business (3)
- EC 215 Principles of Microeconomics (3)
- MG 252 Business Communication (3)
- MG 301 Principles of Management (3)
- MK 301 Principles of Marketing (3)

Additional requirements:
- UI 351 Public Opinion Management (3)
- UI 359 Consumers: Buying/Having/Being (3)

CHEMISTRY EDUCATION

59-75 Hour Major - No Minor Required
(A grade of 'C' or better is required in all courses within the major.)

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 310 Intro to Physical Chemistry (5)
- CH 341 Organic Chemistry I (4)
- CH 342 Organic Chemistry Lab I (1)
- PH 120 Introductory Physics I (5)

AND
Bachelor of Science in Education Majors

Southeast Missouri State University 2006-07

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)
UI 443 Professional Exp in Chemistry (3)

Choose 3 Hours From:
BS 108 Biology for Living (3)
BS 218 Bio Science: A Process Approach (3)

Additional Requirements: 6 Hours
MA 134 College Algebra (3)
MA 139 Applied Calculus (3)

Choose one option:

CHEMISTRY EDUCATION OPTION:

Choose one of the following:
GO 110 Physical Geology (3)
GO 220 Meteorology (3)
GO 320 Oceanography (3)
UI 318 Earth Science: Process Approach (3)

Choose one of the following:
BI 332 General Ecology (3)
BS 105 Environmental Biology (3)
CH 350/EV 350 Environmental Chem (3)
GO 150 Earth Science: Environ Hazards (3)
GO 305 Environmental Geoscience (3)
UI 360 Recycling & Waste Management (3)
UI 372 Earthquakes & Society (3)

UNIFIED SCIENCE OPTION:
BO 200 Plant Biology (3)
CH 350/EV 350 Environmental Chem (3)
GO 110 Physical Geology (3)
GO 220 Meteorology (3)
GO 320 Oceanography (3)
MA 133 Plane Trigonometry (3)
ZO 200 Animal Biology (3)

ENGLISH EDUCATION

36 Hour Major - No Minor Required
(A grade of 'C' or better is required in all courses within the major.)

Required Courses:
EN 201 Writing About Literature (3)
EN 378 Grammars of English (3)
EN 379 Composition in the Secondary School (3)
LI 260 English Lit I (3)
   OR
LI 270 American Lit I (3)
   OR
LI 271 American Lit II (3)
LI 311 World Literature I (3)
   OR
LI 312 World Literature II (3)
LI 385 Literature in the Secondary School (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 43 Shakespeare Hist/Com & Hum Cond (3)

Additional Requirement:
LI 256 Variety of Literature (3)

FRENCH EDUCATION

36 Hour Major - No Minor Required
(A grade of 'C' or better is required in all courses within the major.)

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:
FL 311 Survey of FR, GN & SN Lit (3)
FR 311 Survey of French Literature II (3)
FR 415 17th 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)
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FR 315 Commercial French (3)
FR 330 French Grammar (3)
Choose 6 Hours FR Electives (300-500 level)
Additional Requirement:
Choose 3 Hours From:
EH 366 Age of French Rev & Napoleon (3)
EH 370 Europe in the 20th Century (3)
EH 514 History of Modern France (3)
FL 205 Art of French Cinema (3)
GG 170 European Peoples & Civilization (3)
UI 362 Contemporary French Culture (3)
UI 375 European Film (3)
WH 103 European Civilization (3)

GERMAN EDUCATION
36 Hour Major - No Minor Required
(A grade of 'C' or better is required in all courses within the major.)
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:
FL 311 Survey of FR, GN & SN Lit (3)
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)
GN 315 Commercial German (3)
GN 330 German Grammar (3)
GN 340 German Phonetics & Pronunciation (3)
Choose 9 Hours of GN 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 390 European Prehistory (3)
EH 370 Europe in the 20th Century (3)
EH 516 History of Modern Germany (3)

INDUSTRIAL EDUCATION
45 Hour Major - No Minor Required
(A grade of 'C' or better is required in all courses within the major.)
Required Courses:
ET 162 DC Principles & Circuits (3)
ET 164 AC Principles & Circuits (3)
IE 401 Technology Education Mgt (3)
IM 102 Technical Communications (3)
MN 170 Industrial Materials & Testing (3)
MN 203 Industrial Materials & Process I (3)
MN 204 Industrial Materials & Processes II (3)
TG 120 Computer Aided Eng. Graphics (3)
TG 180 Intro to Indus Graphics (3)
Choose 6 Hours From:
TG 220 Solid Modeling & Rapid Prototyping (3)
TG 226 Resid Arch Drft & Design (3)
TG 282 Electronic Publishing (3)
TG 284 Photography Fundamentals (3)
TG 386 Interactive Multimedia & Animation (3)
Choose 6 Hours From:
ET 100 Ntwkg Fund & Router Tech (3)
ET 101 Ntwkg Design & Advanced Routing (3)
ET 365 Industrial Electrical Power (3)
MN 383 Fluid Power (3)
Choose 6 Hours From:
CM 243 Construction Methds & Matls (3)
MN 354 Computer Aided Manuf (3)
MN 356 Robotics Fundamentals (3)

MATHEMATICS EDUCATION
43 Hour Major - No Minor Required
(A grade of 'C' or better is required in all courses within the major.)
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)
MA 448 Mathematics Seminar (1)
UI 438 Nature & Growth of Mathematical Thought (3)

**Choose 3 Hours From:**
MA 523 Probability & Statistics I (3)
MA 540 Projective Geometry (3)
MA 545 Linear Algebra & Matrices (3)
MA 546 Advanced Calculus I (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 (for Secondary adding Middle School only) (30-33 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.)

**Required Courses:**
BS 113 Anatomy & Physiology I (3)
HL 231 Fitness Conditioning (3)
PE 201 Sport & Society (3)
PE 216 Theory & Practice of Team Sports (2)
PE 217 Theory /Pract of Individ/Dual Leis Act (4)
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 240 Rhythm, Plays & Games (2)
PE 270 Teaching PE to Middle School Learner (3)
PE 305 Motor Devel, Learning & Behavior (3)
PE 310 Tests & Measrrnts in Phys Act/Sport (3)
PE 341 Physiology of Conditioning (3)
PE 408 Phys Educ for Individuals with Disabilities (3)
PE 464 Kinesiology (3)

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 130 Ballroom Dance (1)
DA 145 Line Dance (1)

**PHYSICS EDUCATION**
57-73 Hour Major - No Minor Required
(A grade of ’C’ or better is required in all courses within the major.)

**Required Courses:**
EP 100 Physic & Engr Concepts (1)
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 360 Modern Physics (3)
PH 370 Mechanics (3)
PH 371 Electromagnetics (3)
UI 422 Scientific Reasoning (3)

Choose 3 Hours From:
BI 332 General Ecology (3)
BS 105 Environmental Biology (3)
GO 305 Environmental Geoscience (3)
UI 360 Recycling & Waste Mgmt (3)
UI 372 Earthquakes & Society (3)

Choose one option:

**PHYSICS EDUCATION OPTION:**
CH 181 Introductory Chemistry I (5)
Bachelor of Science in Education Majors
Southeast Missouri State University 2006-07

Bachelor of Science in Education Majors

OR

CH 185 General Chemistry I (5)
AND
CH 186 General Chemistry II (3)

Choose 3 Hours From:
BS 108 Biology for Living (3)
BS 218 Bio Science: A Process Approach (3)
BO 200 Plant Biology (3)
ZO 200 Animal Biology (3)

Choose 3 Hours From:
GO 110 Physical Geology (3)
GO 220 Meteorology (3)
GO 320 Oceanography (3)
UI 318 Earth Sci: A Process Approach (3)

Unified Science Option:
CH 185 General Chemistry I (5)
CH 186 General Chemistry II (3)
BO 200 Plant Biology (3)
GO 110 Physical Geology (3)
GO 220 Meteorology (3)
GO 320 Oceanography (3)
ZO 200 Animal Biology (3)

Choose 3-4 Hours From:
BS 108 Biology for Living (3)
BS 218 Bio Science: A Process Approach (3)

Social Studies
54 Hour Major - No Minor Required
(A grade of 'C' or better is required in all courses within the major.)

Required Courses:
AN 181 Intro to Cultural Anthropology (3)
OR
UI 339 Indians of North America (3)
EC 101 Econ Problems & Policies (3)
OR
EC 215 Principles of Microeconomics (3)
GG 150 People & Places of the World (3)
OR
UI 452 Historical Geography of the World (3)
GH 315 Historiography (3)
PS 103 U.S. Political Systems (3)
PY 101 Psych Perspective/Human Behav (3)
OR
PY 102 Introduction to Psychology (3)
SO 102 Soc, Culture & Social Behav (3)
UI 401 American Cultural Landscapes (3)
US 105 American History I (3)

OR

US 107 American History II (3)
WH 101 Early European Civ (3)

Choose 6 Hours From:
US History Courses (300-500 level)
Choose 3 Hours From:
US History Courses (any level)

Choose 3 Hours From:
EH/GH/WH History Courses (300-500 level)

Choose 3 Hours From:
PS 355 Less Developed Nations (3)
PS 570 Comparative Political Systems (3)
UI 350 Middle East Politics (3)

Choose 3 Hours From:
PS 335 American Foreign Policy (3)
PS 360 Political Parties & Voting Behavior (3)
PS 365 Legislative Process in the U.S. (3)
PS 390 The American Judicial System (3)
PS 490 Constitutional Law (3)
UI 320 American Presidency (3)
UI 357 Early Am Political Thought (3)

Spanish Education
36 Hour Major - No Minor Required
(A grade of 'C' or better is required in all courses within the major.)

Required Courses:
SN 001 Spanish Exit Exam (0)
Bachelor of Science in Family and Consumer Sciences Majors

Southeast Missouri State University 2006-07

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 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 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)

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 360 Ancient Civ of Meso-America (3)
EH 370 Europe in the 20th Century (3)
GH 125 Islamic Civilization (3)
GH 130 Latin American Civilization (3)
UI 375 European Film (3)
WH 424 South Americas (3)
WH 520 Latin America Colonial History (3)
WH 524 Hist of Mexico Since 1810 (3)

Speech & Theatre Education

36 Hour Major - No Minor Required

For students planning to teach occupational family and consumer sciences or consumer homemaking in junior high or secondary schools.
A minimum grade of "C" is required in each course in the content major and in each professional education course.

Bachelor of Science in Family and Consumer Sciences Education Degree

FAMILY AND CONSUMER SCIENCES EDUCATION

35 Hour Major - No Minor Required

Required Courses:
CF 102 Personal & Family Relationships (2)
CF 120 The Child: Devel/Conception to Adolsc (3)
CF 209 Intro to Family Systems (3)
CF 430 Parent Child Interaction (3)
CT 230 Apparel Analysis (3)
FE 200 Family Resource Management (3)
FN 205 Selection & Preparation of Foods (3)
FN 235 Nutrition for Health (3)

Choose 3 hours from:
CF 402 Marriage Interaction (3)
PY 325 Psych Devlpmnt of the Family (3)

Additional Elective Hours Approved by Advisor (3)

Professional Education Requirements: 37 Hours

Block I:
SE 222 Intro to Middle & Secondary Educ (0)

Block II: 11 Hours
EF 200 School & Society (2)
SE 270 Secondary Block II Field Experience (2)
SE 271 Theories of Learning & Management (2)
SE 272 Teaching Reading/Secondary School (2)
SE 273 Fund of High School Education (3)
SE 275 Multicultural Education (3)

Block III: 10 Hours
EX 390 Psych & Education of Excep Child (3)
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<th>Course Title</th>
<th>Credits</th>
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<td>SE 312</td>
<td>Tech of Tchng Vocational Home Econ</td>
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<td>SE 370</td>
<td>Secondary Block III Field Experience</td>
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<td>EF 400</td>
<td>Seminar/Educ Issues for Student Teachers (1)</td>
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<td>SE 464</td>
<td>Student Teaching Secondary (2nd)</td>
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<td>EN 140</td>
<td>Rhetoric &amp; Critical Thinking</td>
<td>3</td>
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<td>PY 222</td>
<td>Development of the Adolescent</td>
<td>3</td>
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<tr>
<td>SC 105</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
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<tr>
<td>ME 001</td>
<td>Senior Recital (0)</td>
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<tr>
<td>ME 450</td>
<td>Synth of Mus Ed Method</td>
<td>2</td>
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<tr>
<td>MM 101</td>
<td>Theories of Music in Culture</td>
<td>3</td>
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<tr>
<td>MM 102</td>
<td>Basic Harmony &amp; Form</td>
<td>3</td>
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<tr>
<td>MM 105</td>
<td>Aural Skills I (1)</td>
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<td>MM 106</td>
<td>Aural Skills II (1)</td>
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<td>MM 203</td>
<td>Adv Harmony, Form &amp; Counterpoint</td>
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<td>Twentieth Century Techniques</td>
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<td>MM 208</td>
<td>Aural Skills IV (1)</td>
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<td>MH 251</td>
<td>History &amp; Lit of Music to 1827</td>
<td>3</td>
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<td>MH 252</td>
<td>Evolution of Musical Style Since 1827</td>
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<tr>
<td>MP 1xx</td>
<td>Applied Music (1+1)</td>
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<tr>
<td>MP 2xx</td>
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<td>MP 3xx</td>
<td>Applied Music (1+1)</td>
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<td>MU 001</td>
<td>Piano Proficiency (0)</td>
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<td>MU 002</td>
<td>Sophomore Review (0)</td>
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<td>Recitals &amp; Concerts (seven semesters) (0)</td>
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<td>Functional Piano I (1)</td>
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<td>MU 152</td>
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<td>Functional Piano IV (1)</td>
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<td>MU 341</td>
<td>Basic Conducting (2)</td>
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<td>UI 310</td>
<td>American Musical Experience (3)</td>
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<td>UI 402</td>
<td>Music in World Cultures (3)</td>
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<td>UI 315</td>
<td>Electronics &amp; Computers in Music (3)</td>
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<td>UI 392</td>
<td>The Age of Romanticism (3)</td>
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<td>UI 393</td>
<td>The Age of Modernism (3)</td>
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<td>UI 394</td>
<td>Music &amp; Culture: 1600-1750 (3)</td>
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<td>UI 396</td>
<td>The Age of Beethoven (3)</td>
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<td>UI 397</td>
<td>Music in Medieval &amp; Renaissance Culture (3)</td>
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<td>ME 250</td>
<td>Trumpet &amp; Horn Techniques (1)</td>
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<td>ME 251</td>
<td>Trombone/Euphonium/Tuba Tech (1)</td>
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<td>ME 252</td>
<td>Flute &amp; Double Reed Techniques (1)</td>
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<td>ME 253</td>
<td>Single Reed Techniques (1)</td>
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<tr>
<td>ME 260</td>
<td>String Techniques (2)</td>
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<td>ME 261</td>
<td>Percussion Techniques (2)</td>
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<td>ME 300</td>
<td>Marching Band Techniques I (.5)</td>
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<tr>
<td>ME 400</td>
<td>Marching Band Techniques II (.5)</td>
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<tr>
<td>MU 220</td>
<td>Class Voice (2)</td>
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<td>MU 344</td>
<td>Conducting/Wind Lit (2)</td>
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<td>MU 3xx</td>
<td>Instrumental Ensemble (7)</td>
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<td>ME 443</td>
<td>Choral Literature (2)</td>
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<td>ME 473</td>
<td>Tech of Teaching Choral Lit (2)</td>
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<td>Applied Piano (1+1)</td>
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<td>MU 114</td>
<td>Singer's Diction (2)</td>
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<td>Vocal Pedagogy (2)</td>
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<td>MU 430</td>
<td>Pedagogy: Applied Area (2)</td>
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<td>ME 222</td>
<td>Principles of Teaching Music (2)</td>
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<tr>
<td>PY 222</td>
<td>Development of the Adolescent (3)</td>
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</tbody>
</table>

### Bachelor of Music Education Degree

For students planning to teach elementary or secondary school music.

### Music Education

**65-66 Hour Major - No Minor Required**

A minimum grade of "C" is required in each course in the content major and in each professional education course.

**Required Courses:**

- ME 001 Senior Recital (0)
- ME 450 Synth of Mus Ed Method (2)
- 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 (1+1)
- MP 2xx Applied Music (1+1)
- MP 3xx Applied Music (1+1)
- 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)
- 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)
- ME 250 Trumpet & Horn Techniques (1)
- ME 251 Trombone/Euphonium/Tuba Tech (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 Class Voice (2)
- MU 344 Conducting/Wind Lit (2)
- MU 3xx Instrumental Ensemble (7)
- ME 443 Choral Literature (2)
- ME 473 Tech of Teaching Choral Lit (2)
- MP 1xx Applied Piano (1+1)
- MU 114 Singer's Diction (2)
- MU 343 Conducting/Choral Lit (2)
- MU 3xx Choral Ensemble (7)
- MU 424 Vocal Pedagogy (2)
- MU 430 Pedagogy: Applied Area (2)

### Professional Music Education Requirements:

**Instrumental & Vocal - 39 Hours**

**Block I: 5 Hours**

- ME 222 Principles of Teaching Music (2)
- PY 222 Development of the Adolescent (3)

**Block II: 13 Hours**

- EF 200 School & Society (2)
BACHELOR OF MUSIC

Designed for students with an interest in professional careers in music.

MUSIC

76-82 Hour Major - No Minor Required
(A grade of 'C' or better is required for all courses within the major.)

Required Courses:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<td>Hist &amp; Lit of Music to 1827</td>
<td>(3)</td>
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<tr>
<td>MH 252</td>
<td>Hist &amp; Lit of Music from 1827</td>
<td>(3)</td>
</tr>
<tr>
<td>MM 101</td>
<td>Theories of Music in Culture</td>
<td>(3)</td>
</tr>
<tr>
<td>MM 102</td>
<td>Basic Harmony &amp; Form</td>
<td>(3)</td>
</tr>
<tr>
<td>MM 105</td>
<td>Aural Skills I</td>
<td>(1)</td>
</tr>
<tr>
<td>MM 106</td>
<td>Aural Skills II</td>
<td>(1)</td>
</tr>
<tr>
<td>MM 203</td>
<td>Adv Harmony, Form &amp; Counterpoint</td>
<td>(3)</td>
</tr>
<tr>
<td>MM 204</td>
<td>Twentieth Century Techniques</td>
<td>(3)</td>
</tr>
<tr>
<td>MM 207</td>
<td>Aural Skills III</td>
<td>(1)</td>
</tr>
<tr>
<td>MM 208</td>
<td>Aural Skills IV</td>
<td>(1)</td>
</tr>
<tr>
<td>MU 001</td>
<td>Piano Proficiency</td>
<td>(0)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MU 002</td>
<td>Sophomore Review</td>
<td>(0)</td>
</tr>
<tr>
<td>MU 110</td>
<td>Recitals &amp; Concerts</td>
<td>(0)</td>
</tr>
<tr>
<td>MU 151</td>
<td>Functional Piano I</td>
<td>(1)</td>
</tr>
<tr>
<td>MU 152</td>
<td>Functional Piano II</td>
<td>(1)</td>
</tr>
<tr>
<td>MU 253</td>
<td>Functional Piano III</td>
<td>(1)</td>
</tr>
<tr>
<td>MU 254</td>
<td>Functional Piano IV</td>
<td>(1)</td>
</tr>
<tr>
<td>MU 300</td>
<td>Junior Recital</td>
<td>(1)</td>
</tr>
<tr>
<td>MU 341</td>
<td>Basic Conducting</td>
<td>(2)</td>
</tr>
<tr>
<td>MU 400</td>
<td>Senior Recital</td>
<td>(2)</td>
</tr>
<tr>
<td>UI 310</td>
<td>American Musical Experience</td>
<td>(3)</td>
</tr>
<tr>
<td>UI 402</td>
<td>Music in World Cultures</td>
<td>(3)</td>
</tr>
</tbody>
</table>

*Choose 3 Hours From:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>UI 315</td>
<td>Electronics &amp; Computers in Music</td>
<td>(3)</td>
</tr>
<tr>
<td>UI 392</td>
<td>The Age of Romanticism</td>
<td></td>
</tr>
<tr>
<td>UI 393</td>
<td>The Age of Modernism</td>
<td></td>
</tr>
<tr>
<td>UI 394</td>
<td>Music &amp; Culture: 1600-1750</td>
<td>(3)</td>
</tr>
<tr>
<td>UI 396</td>
<td>The Age of Beethoven</td>
<td></td>
</tr>
<tr>
<td>UI 397</td>
<td>Music in Medieval &amp; Renaissance Culture</td>
<td>(3)</td>
</tr>
</tbody>
</table>

*Choose One Option:

**COMPOSITION (42 Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 197</td>
<td>Applied Music: Composition</td>
<td>(2)</td>
</tr>
<tr>
<td>MP 298</td>
<td>Applied Music: Composition</td>
<td>(4)</td>
</tr>
<tr>
<td>MP 399</td>
<td>Applied Music: Composition</td>
<td>(6)</td>
</tr>
<tr>
<td>MP 499</td>
<td>Applied Music: Composition</td>
<td>(6)</td>
</tr>
<tr>
<td>MP 4xx</td>
<td>Applied Music: Piano</td>
<td>(2)</td>
</tr>
<tr>
<td>MU 430</td>
<td>Pedagogy: Applied Area</td>
<td>(2)</td>
</tr>
<tr>
<td>MU 432</td>
<td>Literature: Applied Area</td>
<td>(2)</td>
</tr>
<tr>
<td>MU xxx</td>
<td>Major Ensemble</td>
<td>(8)</td>
</tr>
<tr>
<td>MU xxx</td>
<td>Music Electives MU 299 or above</td>
<td>(8)</td>
</tr>
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</table>

**INSTRUMENTAL PERFORMANCE (36 Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 1xx</td>
<td>Applied Music: Instrumental (1+1)</td>
<td></td>
</tr>
<tr>
<td>MP 2xx</td>
<td>Applied Music: Instrumental (2+2)</td>
<td></td>
</tr>
<tr>
<td>MP 3xx</td>
<td>Applied Music: Instrumental (3+3)</td>
<td></td>
</tr>
<tr>
<td>MP 4xx</td>
<td>Applied Music: Instrumental (3+3)</td>
<td></td>
</tr>
<tr>
<td>MU 299</td>
<td>Chamber Music</td>
<td>(4)</td>
</tr>
<tr>
<td>MU 3xx</td>
<td>Instrumental Ensemble</td>
<td>(8)</td>
</tr>
<tr>
<td>MU 430</td>
<td>Pedagogy: Applied Area</td>
<td>(2)</td>
</tr>
<tr>
<td>MU 432</td>
<td>Literature: Applied Area</td>
<td>(2)</td>
</tr>
<tr>
<td>MU xxx</td>
<td>Music Electives MU 300 or above</td>
<td>(2)</td>
</tr>
</tbody>
</table>

**VOCAL PERFORMANCE (38 Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 101</td>
<td>Applied Music: Voice</td>
<td>(1+1)</td>
</tr>
<tr>
<td>MP 202</td>
<td>Applied Music: Voice</td>
<td>(2+2)</td>
</tr>
<tr>
<td>MP 303</td>
<td>Applied Music: Voice</td>
<td>(3+3)</td>
</tr>
<tr>
<td>MP 403</td>
<td>Applied Music: Voice</td>
<td>(3+3)</td>
</tr>
<tr>
<td>MU 114</td>
<td>Singer's Diction</td>
<td>(2)</td>
</tr>
<tr>
<td>MU 3xx</td>
<td>Vocal Ensemble</td>
<td>(8)</td>
</tr>
<tr>
<td>MU 424</td>
<td>Vocal Pedagogy</td>
<td>(2)</td>
</tr>
</tbody>
</table>
Bachelor of Science in Nursing Majors

Southeast Missouri State University 2006-07

OR

MU 430 Pedagogy: Applied Area (2)
MU 432 Literature: Applied Area (2)
MU xxx Music Elective MU 299 or above (6)

GUITAR PERFORMANCE (34 Hours)*
*Guitar Performance is a concentration area, not an option and is listed below due to specialized courses.
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)

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) 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 XX. 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

60 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 (3)
NS 183 Phys Aspects of Well Client (2)
NS 184 Emotional/Spiritual Aspects Well Client (2)
NS 270 Pharmacology (2)
NS 281 Pro Practice: Family Nursing I (4)
NS 282 Pro Practice: Family Nursing II (4)
NS 283 Pro Practice: Med-Surg Nursing I (6)
NS 284 Pro Practice: Med-Surg Nursing II (6)
NS 285 Pro Practice: Mental Health Nursing (3)
NS 385 Research in Pro Practice (2)
NS 386 Pro Practice: Comm Health Nursing (6)
NS 387 Pro Practice: Leadership and Mgt (6)
NS 388 Advanced Assessment (1)
NS 389 Professional Seminar (1)
NS 384 Comprehensive Pro Practice (6)

Required Support Courses (BSN):
BS 113/013 Anatomy & Physiology I (3)
BS 114/014 Anatomy & Physiology II (3)
CH 180 Chemistry in Our World (3)
BS 240 Microorganisms & Their Human Hosts (3)
OR
BI 200 General Microbiology (3)
FN 235 Nutrition for Health (3)
NS 232 Altered Health I (3)
NS 234 Altered Health II (3)
PY 220 Psych Devel Across the Life Span (3)
UI 412 Amer Health Care Systems & Issues (3)
xx xxx 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)
NS 483 Professional Practice: Care of the Frail Elderly (2)

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:

- A minimum of 64 hours of degree credit (courses numbered 100-599) is required for graduation.
- The University Studies Program, consisting of 21 hours, is required.

ASSOCIATE OF ARTS 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 6 Hours

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF 102</td>
<td>Personal &amp; Family Relations</td>
<td>2</td>
</tr>
<tr>
<td>CF 120</td>
<td>The Child: Dev/Concept to Adolsc</td>
<td>3</td>
</tr>
<tr>
<td>CF 126</td>
<td>Facilitating Development/Young Children</td>
<td>3</td>
</tr>
<tr>
<td>CF 200</td>
<td>Guiding Alternatives</td>
<td>3</td>
</tr>
<tr>
<td>CF 210</td>
<td>Field Experience in Early Child Programs</td>
<td>2</td>
</tr>
<tr>
<td>CF 290</td>
<td>Preschool Participation I</td>
<td>2</td>
</tr>
<tr>
<td>CF 291</td>
<td>Preschool Participation Lab</td>
<td>1</td>
</tr>
<tr>
<td>CF 300</td>
<td>Parent Education</td>
<td>2</td>
</tr>
<tr>
<td>CF 301</td>
<td>Parent Education Lab</td>
<td>1</td>
</tr>
<tr>
<td>CF 312</td>
<td>Org &amp; Mgt of Child Care Centers</td>
<td>3</td>
</tr>
<tr>
<td>CF 316</td>
<td>Prenatal/Infant Growth &amp; Stimulation</td>
<td>2</td>
</tr>
<tr>
<td>CF 317</td>
<td>Prenatal/Infant Growth &amp; Stimulation Lab</td>
<td>1</td>
</tr>
<tr>
<td>FN 425</td>
<td>Health, Nutrition &amp; Safety of Young Child</td>
<td>3</td>
</tr>
<tr>
<td>CF 450</td>
<td>Teaching Young Children, Ages 3-5</td>
<td>3</td>
</tr>
<tr>
<td>xx xxx</td>
<td>Electives approved by advisor</td>
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</table>

Additional Requirements:

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>AR 270</td>
<td>Art for the Elementary Teacher</td>
<td>3</td>
</tr>
<tr>
<td>EN 100</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EN 140</td>
<td>Rhetoric &amp; Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>LI 243</td>
<td>Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td>PS 103</td>
<td>U.S. Political Systems</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>PS 104</td>
<td>Comparative Political Systems</td>
</tr>
<tr>
<td>OR</td>
<td>PY 101</td>
<td>Psych Persp on Human Behavior</td>
</tr>
</tbody>
</table>

CPR CERTIFICATION IS REQUIRED FOR DEGREE

NOTE: MA 095 Intermediate Algebra is required unless waived by appropriate score on ACT Math subtest, but does not count toward hours for graduation.

ASSOCIATE OF APPLIED SCIENCE IN COMPUTER TECHNOLOGY

The purpose of the program is to prepare individuals for entry-level positions in industry.

70 Hours Required

Core Requirements: 36 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EN 100</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>EN 140</td>
<td>Rhetoric &amp; Critical Thinking</td>
</tr>
<tr>
<td>IM 102</td>
<td>Technical Communications</td>
<td>3</td>
</tr>
<tr>
<td>IS 175</td>
<td>Information Systems I</td>
<td>3</td>
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<tr>
<td>OR</td>
<td>AD 101</td>
<td>Intro Micro Applications</td>
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<tr>
<td>IS 275</td>
<td>Information Systems II</td>
<td>3</td>
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<tr>
<td>OR</td>
<td>AD 339</td>
<td>Network Support Sys</td>
</tr>
<tr>
<td>MA 133</td>
<td>Plane Trigonometry</td>
<td>3</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>
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<tr>
<td>PH 121</td>
<td>Introductory Physics II</td>
<td>5</td>
</tr>
<tr>
<td>OR</td>
<td>CH 181</td>
<td>Basic Principles of Chemistry</td>
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<tr>
<td>PS 103</td>
<td>U.S. Political Systems</td>
<td>3</td>
</tr>
<tr>
<td>SC 105</td>
<td>Fund of Oral Communications</td>
<td>3</td>
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</table>

*CH 181 required for Automated Manufacturing Option
Choose One 33 Hour Option:

**AUTOMATED MANUFACTURING**
- ET 160 Basic Electricity & Electronics (3)
- ET 194 Intro to PLCs (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)

**MICROCOMPUTER SYSTEMS**
- ET 162 DC Principles & Circuits (3)
- ET 164 AC Principles & Circuits (3)
- ET 194 Intro to PLCs (3)
- ET 245 Logic Circuits (3)
- ET 255 Microcomputer Maint & Trblshng (3)
- ET 260 Electronic Circ Design/Analysis I (3)
- ET 264 Industrial Electronics (3)
- ET 275 Network Routing & Switching I (3)
- ET 366 Microcontrollers (3)
- ET 368 Advanced Digital Principles (3)
- ET 375 Network Routing & Switching II (3)

**TECHNICAL COMPUTER GRAPHICS**
- TG 120 Computer Aided Eng. Graphics (3)
- TG 180 Intro to Indus Graphics (3)
- TG 280 Vect & Bmp Graph for Indus (3)
- TG 220 Solid Modeling & Rapid Prototyping (3)
- TG 226 Resid Arch Drft & Design (3)
- TG 282 Electronic Publishing (3)
- TG 322 Comm Arch Drft & Design (3)
- TG 324 Design Modeling & Processes (3)
- TG 386 Interactive Multimedia & Animation (3)
- TG 482 Multicolor Print Processes (3)
- TG 490 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.
potential schools as big as potential. There are 54 accredited dental schools in the United States. This information can be obtained from 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 pre-engineering advisor in the Department of Physics and Engineering Physics should be consulted for details regarding the pre-engineering 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
Pre-medicine is not a major at Southeast Missouri State University. It is possible to gain preparation for medical school while pursuing any academic major in the university; however, most students find that the preponderance of biology coursework required by medical schools, and for preparation for the MCAT, makes the biomedical sciences option in biology an attractive major. The Biology: Biomedical Sciences option is designed especially for students in the pre-health professions. Students should see the pre-medical advisor during their first semester at Southeast. Medical school admission has been characterized for some years by more applicants than entering students. This trend will certainly continue for some years in the future. As a result, students should realistically prepare themselves for more than one career. Allied elective coursework in biology, chemistry, and physics can broaden career opportunities. A strong background in liberal arts is desirable. Information about the program is available from a pre-medical advisor in the Department of Biology.

Pre-Optometry Curriculum
Pre-optometry is not a major at Southeast Missouri State University. It is possible to gain preparation for optometry school while pursuing any academic major in the university; however, most students find that the preponderance of biology coursework required by optometry schools, and for preparation for the OAT, makes the biomedical sciences option in biology an attractive major. The Biology: Biomedical Sciences option is designed
especially for students in the pre-health professions. Students should see the pre-optometry advisor during their first semester at Southeast. There are only 17 optometry schools in the United States and the entrance requirements are quite similar, however there are slight variations. The student should be familiar with the entrance requirements for several schools (for example, three schools require two semester of organic chemistry) and prepare themselves appropriately so that they could potentially be eligible for all of those schools. 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 declaring pre-physical therapy. Health Management, Biology, Chemistry Recreation 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. Students planning to apply to such programs do not need to declare a major at Southeast but should declare pre-physical therapy.

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 pre-physical 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 coursework (the pre-professional program), completion of the MCAT or 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 and core courses in agriculture 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
Biology
Botany
Business Administration
Chemistry
Child Life Services
Child Studies
Coaching
Communication Disorders
Communication for Legal Professionals
Communication Studies
Computer Networking
Computer Science
Criminal Justice
Criminology
Dance
Economics
Electronic Technology
Engineering Physics
Entrepreneurship/Small Business Management
Environmental Science
Environmental Soil Science
Environmental Studies
Exercise Science
Family Economics & Management
Family Studies
Fashion Merchandising
Finance
French
Geography
Geoscience
German
Gerontology
Graphic Communications Technology
Health Promotion
Historic Preservation
History
Horticulture
Hospitality Management
Human Resource Management
Industrial Management
Information Systems
Interior Design
International Business
International Studies
Literature
Management
Marketing: Marketing Management
Marketing: Integrated Marketing Communications
Marketing: Retail Management
Marketing: Sales Managements
Mass Communication
Mathematics
Microbiology
Music
Nutrition
Outdoor Adventure Leadership
Philosophy
Physics
Political Science
Psychology: Applied
Psychology: Developmental
Psychology: General
Psychology: Psychological Services
Public Administration
Recreation
Religion
Small Press Publishing
Social Rehabilitation & Treatment
Social Work
Sociology
Soils
Spanish
Sport Management
Technical Theatre
TESOL
Theatre: Acting/Directing
Theatre: General
Women's Studies
Writing
Zoology

ACCOUNTING

15 Hours Required

Required Courses:
AC 221 Princ of Financial Accounting (3)
AC 222 Princ 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 Principles of Management (3)
MG 252 Business Communication (3)
Choose 3 Hours From:
Minors
Southeast Missouri State University 2006-07

AD 210 Business Computing Fundamentals (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

AGRICULTURE
15 Hours Required
Required Courses:
AO 120 Plant Science (4)
AY 101 Animal Science (5)
Choose 6 Hours AG, AO, AY, HO courses (300-400 level)

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 100 Foundations of Human Behvr (3)
AN 101 Observing Other Cultures (3)
AN 180 Intro/Phys Anthro & Archaeology (3)
AN 250 World Archaeology (3)
AN 360 Meso-American Civilizations (3)
AN 493 General Anthropology Theory (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 100 Foundations of Human Behvr (3)
AN 101 Observing Other Cultures (3)
AN 181 Intro Cultural Anthropology (3)
AN 250 World Archaeology (3)
AN 317 Ethnographic Field Methods (3)
AN 319 Archaeological Laboratory (3)
AN 360 Meso-American Civilizations (3)
AN 381 North American Archaeology (3)
AN 493 General Anthropology Theory (3)

ARCHITECTURAL DESIGN
15 Hours Required
Required Courses:
TG 100 Intro to Arch Drafting (3)
TG 126 Computer Aided Arch Drafting (3)
TG 226 Residential Arch Drft & Design (3)
Choose 6 Hours From:
UI 401 American Cultural Landscapes (3)
HO 330 Landscape Planting Design (3)
HO 530 Home Horticulture (2)
TG 322 Commercial Arch Drft & Design (3)

ART/ART HISTORY
18 Hours Required
(6 Hours must be 300-500 level)
Required Course:
AH 210 Art History Survey II (3)
OR
AR 112 Perspectives in Art (3)
Choose 6 Hours From:
AH 110 Art History Survey I (3)
AR 100 Drawing I (3)
AR 104 Design Foundations (3)
AR 106 3-D Foundations (3)
AR 150 Structural Figure Drawing (3)
AR 201 Color Composition (3)
Choose 9 Hours From (Related Courses Encouraged):
AH 310 Classical Art (3)
AH 311 Modern Art (3)
AH 312 Renaissance Art (3)
AH 400 Seminar: Readings in Art (3)
AH 510 Non-Western Art (3)
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**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 202** Drawing II: Human Figure (3)
**AR 302** Printmaking (3)
**AR 303** Screenprinting (3)
**AR 313** New Genre (3)
**AR 314** Drawing III: Adv Problems (3)
**AR 315** Three Dimensional Design (3)
**AR 319** Intro to Graphic Design (3)
**AR 320** Watercolor I (3)
**AR 322** Typography (3)
**AR 324** Digital Art Photography (3)
**AR 325** Painting (3)
**AR 330** Fibers I (3)
**AR 332** Sculpture I (3)
**AR 342** Ceramics I (3)
**AR 375** Art & New Technology (3)
**AR 376** 3-D Digital Animation (3)
**AR 408** Studio Problems (3)
**AR 409** Illustration II (3)
**AR 416** Advanced Graphic Design (3)
**AR 418** Intro to Web Design (3)
**AR 421** Watercolor II (3)
**AR 425** Figurative Sculpture (3)
**AR 426** Advanced Painting (3)
**AR 431** Sculpture II (3)
**AR 441** Ceramics II (3)
**AR 501** Intaglio Printmaking (3)
**AR 502** Lithography Printmaking (3)
**AR 520** Figure Painting (3)
**AR 530** Fibers II (3)
**AR 541** Ceramics III (3)
**UI 337** Issues/Modern Architecture (3)

#### American Art (AH)
- **AH 511** American Art (3)
- **AH 512** Contemporary Art (3)
- **AH 514** Issues in Renaissance Art (3)
- **AH 516** Issues in Modern Art (3)

#### Contemporary Art (AR)
- **AR 202** Drawing II: Human Figure (3)
- **AR 302** Printmaking (3)
- **AR 303** Screenprinting (3)
- **AR 313** New Genre (3)
- **AR 314** Drawing III: Adv Problems (3)
- **AR 315** Three Dimensional Design (3)
- **AR 319** Intro to Graphic Design (3)
- **AR 320** Watercolor I (3)
- **AR 322** Typography (3)
- **AR 324** Digital Art Photography (3)
- **AR 325** Painting (3)
- **AR 330** Fibers I (3)
- **AR 332** Sculpture I (3)
- **AR 342** Ceramics I (3)
- **AR 375** Art & New Technology (3)
- **AR 376** 3-D Digital Animation (3)
- **AR 408** Studio Problems (3)
- **AR 409** Illustration II (3)
- **AR 416** Advanced Graphic Design (3)
- **AR 418** Intro to Web Design (3)
- **AR 421** Watercolor II (3)
- **AR 425** Figurative Sculpture (3)
- **AR 426** Advanced Painting (3)
- **AR 431** Sculpture II (3)
- **AR 441** Ceramics II (3)
- **AR 501** Intaglio Printmaking (3)
- **AR 502** Lithography Printmaking (3)
- **AR 520** Figure Painting (3)
- **AR 530** Fibers II (3)
- **AR 541** Ceramics III (3)
- **UI 337** Issues/Modern Architecture (3)

#### Botany (BO)

**Required Courses:**
- **BI 151** Biological Reasoning (3)
- **BI 152** Intro to Scientific Investigation (1)
- **BI 153** Intro to Organismal Biology (4)
- **BI 154** Genetics & Cell Biology (4)
- **BO 200** Plant Biology (3)

**Choose 6 Hours From:**
- **BI 384** Readings in Biology (1)
- **BI 485** Topics in Biology (3)
- **BI 493** Readings in Biology (2)
- **BI 589-591** Biological Research (1-3)
- **BO 361** Systematic Botany (3)
- **BO 420** Ethobotany (3)
- **BO 445** Plant Physiology (3)
- **BO 461** Native Aquatic Plants (3)
- **BO 469** Field Botany (2)

#### Business Administration (AD)

21 Hours Required

**Required Courses:**
- **AC 221** Princ of Financial Accounting (3)
- **AC 222** Princ of Managerial Accounting (3)
- **AD 101** Intro/Microcomputer Appl (3)
- **EC 225** Princ of Macroeconomics (3)
- **FI 361** Financial Management (3)
- **MA 139** Applied Calculus (3)
- **MG 301** Principles of Management (3)
- **MI 375** Management Info Systems (3)
- **MK 301** Principles of Marketing (3)
- **QM 257** Business Statistics (3)

*All courses require minimum grade of 'C'.

#### Chemistry (CH)

21 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)
## Minors

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF 560</td>
<td>Child Life Services Practicum</td>
<td>(6)</td>
</tr>
<tr>
<td>HL 120</td>
<td>Health Perspectives</td>
<td>(3)</td>
</tr>
<tr>
<td>RC 112</td>
<td>Intro to Music Therapy</td>
<td>(3)</td>
</tr>
<tr>
<td>RC 260</td>
<td>Intro to Therapeutic Rec</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Choose One 6 Hour Option**

### 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 329: Psychology of Death & Dying (3)
- PY 444: Childhood Psychopathology (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 210: Field Exp/Early Chldhd Prgms (3)
- CF 300: Parent Education (3)
- CF 301: Parent Education 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

### 18-19 Hours Required

**Required Courses:**
- CD 225: Phonetics (4)
- CD 230: Intro to Comm Disorders (4)
- CD 340: Normal Spch & Lang Develop (3)
- CD 406: Svc Delivery in Comm Disorders (4)

**Choose 3-4 Hours From:**
- CD 371: Anatomy & Phys of Hearing Mech (3)
- CD 411: Nature of Assmnt/Intv Spch & Language (4)
- CD 426: Hrng Disorders: Audio Assessmnt (3)

## COMMUNICATION FOR LEGAL PROFESSIONALS

### 15 Hours Required

**Required Courses:**
- SC 200: Advanced Public Speaking (3)
- SC 314: Argumentation & Problem Solving (3)
- UI 425: Persuasion (3)

**Choose 6 Hours From:**
- SC 160/161: Intercollegiate Debate (2)
- SC 310: Speech Writing (3)
- SC 335: Interviewing (3)
- SC 400: Advanced Debate (3)
- SC 406: Negotiation & Conflict Mgmt (3)
- UI 345: Nonverbal Communication (3)
- UI 423: Political Communication (3)

## COMMUNICATION STUDIES

### 15 Hours Required

**Required Courses:**
- SC 320: Group Comm & Decision Making (3)
- SC 355: Relational Comm Strategies (3)
- UI 425: Persuasion (3)

**Choose 6 Hours From:**
- SC 160/161: Intercollegiate Debate (2)
SC 200  Advanced Public Speaking (3)  
SC 215  Intercultural Comm (3)  
SC 310  Speech Writing (3)  
SC 314  Argumentation & Problem Solving (3)  
SC 330  Corporate & Professional Comm (3)  
SC 335  Interviewing: Princ & Practices (3)  
SC 400  Advanced Debate (3)  
SC 406  Negotiation & Conflict Mgmt (3)  
SC 4xx  Special Problems in Comm Studies (3)  
SC 505  Criticism of Am Public Address (3)  
SC 510  Leadership & Team Building (3)  
SC 560  Organizational Communication (3)  
UI 301  Managerial Communication Processes (3)  
UI 345  Nonverbal Communication (3)  
UI 423  Political Communication (3)  

**COMPUTER NETWORKING**
15 Hours Required
ET 100  Networking Fund & Router Tech (3)  
ET 101  Netwrk Design & Advanced Routing (3)  
ET 255  Microcomputer Maint & Trblshng (3)  
ET 395  Server Maint & Trblshooting (3)  
ET 425  Wireless Comm & Mobile Data Network (3)  

**COMPUTER SCIENCE**
15 Hours Required
Required Courses:
CS 155  Computer Science I (4)  
CS 265  Computer Science II (4)  
Choose 7 Hours CS courses including 6 hours at the 300-500 level

**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)  

**Choose 3 Hours From Each of the Following Categories: The Legal System**
BL 255  Legal Environment of Business (3)  
CI 220  Criminal Law (3)  
PS 390  The American Judicial System (3)  
PS 490  Constitutional Law (3)  
PY 359  Psychology & the Law (3)  

**Deviance & the Individual**
PY 440  Abnormal Psychology (3)  
SO 206  Social Problems of Childhood (3)  
UI 309  Crime & Human Behavior (3)  

**Social Problems & Applied Criminology**
CJ 100  Intro to Criminal Justice (3)  
EC 101  Econ Probl & Pols in the U.S. (3)  
SW 310  Social Welfare Policies & Issues (3)  

**DANCE**
23 Hours Required
Required Courses:
DA/TH 105  Rehearsal & Production (1)  
DA/TH 305  Rehearsal & Production (1)  
DA 280  Movement Analysis (3)  
DA 490  Dance History (3)  
Choose 15 Hours (9 Hours must be upper division):
DA 130  Ballroom Dance (1)  
DA 186  Swing Dance (1)  
DA 211  Ballet I (1)  
DA 221  Modern Dance I (1)  
DA 226  Jazz Dance I (1)  
DA 236  Tap Dance I (1)  
DA 311  Ballet II (2)  
DA 321  Modern Dance II (2)  
DA 326  Jazz Dance II (2)  
DA 336  Tap Dance II (2)  
DA 380  Choreography I (3)  
DA 411  Ballet III (2)  
DA 421  Modern Dance III (2)  
DA 426  Jazz Dance III (2)  
DA 430  Princ of Teaching Dance (3)  
DA 436  Tap Dance III (2)  
DA 471  Ballet IV (2)  
DA 481  Modern Dance (2)  
DA 486  Jazz Dance IV (2)  
DA 496  Tap Dance IV (2)  
TH 155  Makeup (3)  
TH 251  Costume Construction (3)  

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ECONOMICS
15 Hours Required
Required Courses:
- EC 215 Principles of Microeconomics (3)
- EC 225 Principles of Macroeconomics (3)
Choose 3 Hours From:
- EC 350 Development 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 322 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 Principles & Circuits (3)
- ET 164 AC Principles & Circuits (3)
Choose One Option:
OPTION I
- ET 260 Electronic Circuit Des/Analysis I (3)
- ET 264 Industrial Electronics (3)
- ET 365 Industrial Elec Power (3)
- ET 367 Motor Ctrl & Drive Systems (3)
OPTION II
- ET 194 Intro to PLCs (3)
- ET 245 Logic Circuits (3)
- ET 366 Microcontrollers (3)
- MN 356 Robotic Fundamentals (3)

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 Small Bus Mgt/New Vent Creation (3)
- BA 461 Small Bus/New Vent Plng & Strat (3)
- BA 463 Small Bus/New Venture Internship
  Project/Bus Plan Completion (3)
- MG 301 Principles of Management (3)
- MK 301 Principles of Marketing (3)

ENVIRONMENTAL SCIENCE
20-22 Hours Required
(For non-science majors; 6 hours must be at 300-400 level)
Required Courses:
- BS 105 Environmental Biology (3)
- CH 180 Chemistry in Our World (3)
- 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 SOIL SCIENCE
15 Hours Required
Required Courses:
- AO 215 Soils (3)
  OR
- GO 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)
Choose 6 hours from:
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:
EN 301 Writing for Science & Technology (3)
GO 305 Environmental Geoscience (3)
GO 460 Environmental Hydrology (3)
IS 175 Information Systems I (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)
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)

EXERCISE SCIENCE
22 Hours Required
Required Courses:
HL 231 Fitness Conditioning (3)
HL 331/031 Exercise Physiology (3)
HL 431 Fitness Assmt & Exercise Prog (4)
HL 460 Exercise Leadership (3)
Choose 6 Hours From:
FN 235 Nutrition for Health (3)
FN 255 Nutrition I (3)
HL 332 Lifestyle Disease Risk Reduct (3)
HL 345 Resistance Trng Prin & Prac (3)
HL 346 Weight Mgmt Prin & Prac (3)
HL 510 Health Concerns of Aging (3)
PE 464 Kinesiology (3)

FAMILY ECONOMICS AND MANAGEMENT
15 Hours Required
Required Courses:
CF 512 Family & Comm Resources (3)
FE 200 Family Resource Management (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)
HE 317/318/319 Field Experience (1-3)

FAMILY STUDIES
17 Hours Required
Required Courses:
CF 102 Personal & Family Relationships (2)
CF 209 Intro to Family Systems (3)
CF 402 Marriage Interaction (3)
CF 430 Parent-Child Interaction (3)
CF 512 Family & Comm Resources (3)
Choose 3 Hours:
FE 200 Mgt of Family Resources (3)
HL 120 Health Perspectives (3)
PY 325 Psych Devel of the Family (3)
UI 317 Human Sexuality (3)

FASHION MERCHANDISING
18 Hours Required
Required Courses:
CT 110 Intro to Fashion Merchandising (3)
CT 207 Textiles (3)
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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)
AND
FI xxx (300-500 level) (3)

FRENCH
18 Hours Required
Required Courses:
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)
Choose 6 Hours FR courses (300-500 level)

GEOGRAPHY
15 Hours Required
GG 150 Peoples & Places of the World (3)
GG 180 Cultural Geography (3)
UI 307 Economic Geography (3)
UI 401 Amer Cultural Landscapes (3)
Choose 3 Hours From:
GG 170 European Peoples & Civ (3)
GG 181 Cultural Heritage Travel: An Intro (3)
GG 320 Political Geography (3)
GG 497 Geography Internship (3-12)
GG 561-563 Advanced Topics in Geog (1-3)
UI 308 Cultural & Phys Landscapes (3)

GEOSCIENCE
15 Hours Required
Required Courses:
GO 110 Physical Geology (3)
UI 373 Earth/Life Thru Time (3)
Choose 6 hours GO courses (200-500 level)
Choose 3 hours GO courses (400-500 level)

GERMAN
18 Hours Required
Required Courses:
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)
Choose 6 Hours GN courses (300-400 level)

GERONTOLOGY
18 Hours Required
Required Courses:
CF 206 Intro to Gerontology (3)
CF 207 Gerontology Practicum I (3)
FN 520 Nutrition in the Later Years (3)
HL 510 Health Concerns of Aging (3)
PY 525 Maturity & Aging (3)
OR
PY 329 Psychology of Death & Dying (3)
UI 430 Aging Successfully (3)

GRAPHIC COMMUNICATIONS TECHNOLOGY
21 Hours Required
Required Courses:
IM 102 Technical Communication (3)
TG 120 Computer Aided Eng.Graphics (3)
TG 180 Intro to Indus Graphics (3)
TG 284 Photography Fundamentals (3)
Choose 9 Hours From One Option:
OPTION I
TG 280 Vect & Bmp Graph for Indus (3)
TG 282 Electronic Publishing (3)
TG 386 Interactive Multimedia & Animation (3)
OPTION II
CM 343 Constr Surveying & Testing (3)
TG 226 Residential Arch Drft & Design (3)
TG 322 Comm Arch Drft & Design (3)
Minors 142

OPTION III
TG 220  Solid Modeling & Rapid Prototyping (3)
TG 324  Design Modeling & Processes (3)
TG 326  Advanced 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)

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 300-5999 (3)
US 300-5999 (3)
WH 300-5999 (3)

Choose 3 Additional Senior Level Hours From:
Any EH, GH, US OR WH 300-5999 level or approved departmental UI course
Choose an additional 6 Hours of EH, GH, US, WH prefix courses - any level

HORTICULTURE
15 Hours Required
Required Courses:
HO 130  Intro to Horticulture (3)
HO 230  Advanced Horticulture (3)
HO xxx  Horticulture electives, with at least 6 hours at the 300-500 level (9)

HOSPITALITY MANAGEMENT
18 Hours Required
Required Courses:
FN 150  Intro to Hospitality Mgmt (3)
FN 205  Selection & Preparation of Food (3)
FN 270  Hotel & Restaurant Operation (3)
FN 304  Food, Bev & Labor Cost Cntrls (3)
FN 390  Hosp Sales & Marketing (3)
FN 406  Hospitality and Institution Admin (3)

HUMAN RESOURCE MANAGEMENT
15 Hours Required
Required Courses:
MG 301  Principles of Management (3)
MG 356  Human Resource Management I (3)
MG 446  Human Resource Management II (3)

Choose 6 Hours From:
BA 361  Small Bus Mgt/New Venture Creation (3)
MG 354  Topics in Management Skills (3)
MG 362  Management Skills (3)
MG 456  Topics in Human Resource Mgt (3)
MG 457  Topics in Organizational Behvr (3)
MG 462  Organization Theory & Design (3)
MG 470  Leadership in Management (3)
MG 548  Project Management (3)
MG 550  Improving Team Performance (3)
MG 560  International Management (3)

INDUSTRIAL MANAGEMENT
15 Hours Required
Required Courses:
IM 211  Industrial Safety (3)
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**IM 311** Statistical Process Control (3)  
**IM 419** Industrial Supervision (3)

**Choose 6 Hours From:**  
**IM 313** Facilities Planning (3)  
**IM 315** Work Measurement (3)  
**IM 411** Total Quality Assurance (3)  
**IM 417** Manuf Resource Analysis (3)

**INFORMATION SYSTEMS**

15 Hours Required  
**Required Courses:**  
**IS 130** Visual Basic Programming I (3)  
**IS 175** Information Systems I (3)  
**IS 275** Information Systems II (3)  

**Choose 6 hours of IS or CS prefix courses at the 300-500 level**

**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)  
**HI 430** Residential Interior Design II (3)  
**HI 532** History of Furniture II (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 BUSINESS**

18 Hours Required  
**EC 580** International Economics (3)  
**FI 540** International Finance (3)  
**MG 560** International Management (3)  
**MK 560** International Marketing (3)  
**UI 343** Transcultural Experience (3)  

**Choose 3 Hours From:**  
**AC 540** International Persp on Acct (3)  
**MK 478** Global Logistics (3)  
**UI 322** International Political Economy (3)  
**UI 349** Comparative Economics Systems (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:**  
**GG 320** Political Geography (3)  
**PS 280** Intro to Global Issues (3)  
**PS 355** Less Developed Nations (3)  
**PS 380** International Organizations (3)  
**PS 570** Comparative Government (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)

**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)**

**MANAGEMENT**

15 Hours Required  
**Required Courses:**  
**MG 301** Principles of Management (3)  
**MG 362** Management Skills (3)  

**Choose 9 Hours From:**
BA 361  Small Bus Mgmt/New Venture Creation (3)
MG 354  Topics in Management Communication (3)
MG 356  Human Resource Management I (3)
MG 446  Human Resource Management II (3)
MG 457  Topics in Organizational Behavior (3)
MG 462  Organization Theory & Design (3)
MG 470  Leadership in Management (3)
MG 548  Project Management (3)
MG 550  Improving Team Performance (3)
MG 560  International Management (3)
MI 410  Business Database Systems (3)

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 449 (3)

MARKETING: INTEGRATED MARKETING COMMUNICATIONS
15 Hours Required
Required Courses:
MK 301  Principles of Marketing (3)
MK 341  Public Relations (3)
MK 342  Professional Selling (3)
MK 343  Advertising & Promotion (3)
MK 443  Integrated Mktg Comm Practicum (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 345 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 345 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 & MC 496 which are credit/no credit courses.)
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
Required Course:
MA 140  Analytic Geometry & Calc I (5)
10 hours in mathematics (consisting of MA 138, MA 145, or courses numbered MA 223 & above with the exception of MA 230, MA 318 & MA 418) including 6 hours at the 300-500 level.

MICROBIOLOGY
21 Hours Required
Required Courses:
BI 151  Biological Reasoning (3)
BI 152  Intro to Scientific Investigation (1)
BI 153  Intro to Organismal Biology (4)
BI 154  Genetics & Cell Biology (4)
BI 200  General Microbiology (3)
Choose 6 Hours From:
BI 384  Readings in Biology (1)
BI 441  Virology (3)
BI 442  Immunology (3)
BI 443  Epidemiology (3)
BI 445  Microbial Physiology (3)
BI 485  Topics in Biology (3)
BI 493  Readings Biology (2)
BI 543/544  Pathogenic Microbiology (3)
BI 589-591  Biological Research (1-3)
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#### 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 & Comptrs in Music (3)
- UI 402 Music in World Cultures (3)

#### NUTRITION

**18 Hours Required**

**Required Courses:**
- FN 205 Selection & Prep of Foods (3)
- FN 235 Nutrition for Health (3)
- FN 355 Lifespan Nutrition (3)
- FN 540 Community Nutrition (3)

**Choose 6 Hours From:**
- FN 255 Nutrition I (3)
- FN 370 Nutrition Assessment (3)
- FN 502 Nutrition II (3)
- FN 525 Nutrition Counseling (3)
- HE 520 Tech Tchg Ntr & Health Ed (3)

#### OUTDOOR ADVENTURE LEADERSHIP

**20 Hours Required**
- 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)

#### 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)
- PH 121 Introductory Physics II (5)
- OR
- PH 231 General Physics II (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 531 Psychological Testing (3)
UI 354 Lifestyle Enhancement (3)

PSYCHOLOGY: DEVELOPMENTAL
18 Hours Required
Required Courses:
PY 102 Introduction to Psychology (3)
PY 120 The Child:Devel/Concept/Adlsc (3)
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 329 Psychology of Death & Dying (3)
PY 521 Advanced Child Development (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 9 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)

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 525 Public Policy Economics (3)
EC 561 Managerial Economics (3)
MG 301 Principles of Management (3)
PS 418 Public Policy Analysis (3)
PS 425 Admin Law & Procedure (3)
PY 450 Organizations as Open Systems (3)

RECREATION
15 Hours Required
Required Courses:
RC 140 Intro to Recreation Services (3)
RC 288 Practicum in Rec Services (3)
RC 380 Programming for Rec Svs (3)
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#### Choose 3 Hours From:
- RC 210 Camp Leadership (3)
- RC 220 Leadership & Group Dynamics (3)
- RC 250 Found of Outdoor Recreation (3)
- RC 260 Intro to Therapeutic Recreation (3)
- RC 270 Commercial Recreation (3)

#### Choose 3 Hours From:
- RC 360 Therapeutic & Adapted Rec Srvcs (3)
- RC 385 Rec Facilities Planning & Mgmt (3)
- RC 405 Trends & Issues in Rec & Leisure (3)
- RC 420 Organ & Admin of Rec Services (3)

#### RELIGION

**18 Hours Required**

**Required Courses:**
- PL 499 Independent Study in Philosophy (3)
- RS 101 World Religions (3)
- UI 336 Religion in America (3)

**Choose 3 Hours From:**
- LI 222 Mythic Dimensions of Literature (3)
- RS 201 New Testament Literature (3)
- RS 202 Old Testament Literature (3)

**Choose 6 Hours From:**
- AN 375 Primitive Religions (3)
- PL 340 Philosophy of Religion (3)
- RS 350 Religious Topics & Issues (3)
- UI 415 Science & Religion (3)

### SMALL PRESS PUBLISHING

**18 Hours Required**

**Required Courses:**
- EN 275 Intro to Creative Writing (3)
- EN 311 Pract in Editing Lit Manuscript (3)
- EN 435 Internship in English (3)
- LI 301 Small-Press Publishing (3)
- TG 180 Intro to Indus Graphics (3)

**Choose 3 Hours From:**
- AR 319 Intro to Graphic Design (3)
- AR 322 Typography (3)
- EN 470 Adv Creative Writ: Poetry (3)
- EN 478 Adv Creative Writ: Fiction (3)
- MC 310 Advertising Comm Strategies (3)
- MK 301 Princ of Mkting (3)
- TG 282 Electronic Publishing (3)

### SOCIAL REHABILITATION AND TREATMENT

**21 Hours Required**

**Required Courses:**
- CJ 440 Thries/Methods of Offndr Rehab (3)
- SR 444 Trtmt Strat: Alch/Drug Abuse (3)
- SR 448 Juv Just Trtmt/Intervention Strat (3)
- SW 110 Intro to Social Work (3)
- RC 260 Intro to Therapeutic Recreation (3)

**Choose 3 Hours From:**
- PY 440 Abnormal Psychology (3)
- PY 441 Intro to Clinical Psychology (3)
- PY 444 Childhood Psychopathology (3)

**Choose 6 Hours From:**
- PY 325 Psych Devel of the Family (3)
- (If not chosen above)
- 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 Undrstdng Cultr/Soc Diversity (3)

**Choose 3 Hours From:**
- SW 351 Child Welfare (3)
- SW 352 Social Work with the Aged (3)
- SW 353 Child Development (3)
- SW 354 Crisis Intervention (3)
- SW 355 Special Topics in Social Work (3)
- SW 356 Social Work in Mental Health (3)
- SW 389 Ind Study in Social Work (3)

**Choose One Area of Emphasis (6 Hours):**

#### SOCIAL WELFARE
- SW 201 Social & Economic Justice (3)
- SW 310 Social Welfare Policy & Issues (3)

#### SOCIAL WORK PRACTICE
- SW 121 Helping Skills for the Human Svcs (3)
- SW 315 Social Work Intervention (3)
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### SOCIOLOGY

**15 Hours Required**

**Required Course:**
- **SO 200** Intro to Social Organization (3)

**Choose 12 Hours** from **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)

### 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** from **SN courses** *(300-500 level)*

### SPORT MANAGEMENT

**15 Hours Required**

**Required Courses:**
- **PE 201** Sport & Society (3)
- **SM 220** Intro to Sport Management (3)
- **SM 360** Sporting Event Management (3)
- **SM 540** Legal Aspects of Sport & Phys Activity (3)

**Select one course from the following:**
- **SM 340** Sport Ethics (3)
- **SM 455** Sport-Related Venue Dsgn/Operation (3)
- **SM 460** Fund of Sport Delivery Systems (3)
- **SM 570** Mgmt & Leadership in Sport Org (3)

### TECHNICAL THEATRE

**23 Hours Required**

**Required Courses:**
- **TH/DA 105** Rehearsal & Production (1)
- **TH 155** Makeup (3)
- **TH 218** Acting I (3)
- **TH 231** Stagecraft I (3)
- **TH 251** Costume Construction (3)

**Choose 6 Hours From:**
- **TH 265** Drawing for the Theatre (3)
- **TH/DA 305** Rehearsal & Production (1)

### TESOL

**21 Hours Required**

**Required Courses:**
- **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: ACTING/DIRECTING

**23 Hours Required**

**Required Courses:**
- **TH/DA 105** Rehearsal & Production (1)
- **TH 155** Makeup (3)
- **TH 218** Acting I (3)
- **TH 231** Stagecraft I (3)
- **TH 251** Costume Construction (3)
- **TH/DA 305** Rehearsal & Production (1)
- **TH 316** Acting II (3)

**Choose 6 Hours From:**
- **TH 385** Directing I (3)
- **TH 416** Acting III (3)
- **TH 431** Stage Combat II (3)
- **TH 485** Directing II (3)

### THEATRE: GENERAL

**23 Hours Required**

**Required Courses:**
- **TH/DA 105** Rehearsal & Production (1)
- **TH 155** Makeup (3)
- **TH 218** Acting I (3)


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Th 231 Stagecraft I (3)
Th 251 Costume Construction (3)
Th/DA 305 Rehearsal & Production (1)

Choose 3 hours From:
Th 265 Drawing for the Theatre (3)
Th 316 Acting II (3)

Choose 6 Hours From:
Th 375 Theatre Management (3)
Th 385 Directing I (3)
Th 395 Period & Style (3)
Th 485 Directing II (3)
Th 490 Theatre History I (3)
Th 495 Theatre History II (3)

Women's Studies

15 Hours Required
(See Dr. Carol Scates, Department of English, for information.)

Required Courses:
Wc 100 Introduction to Women's Studies (3)
Wc 300 Seminar: Issues in Women's Studies (3)

Choose 9 Hours From:
Li 587 Women and Madness (3)
Ui 303 The Female Experience (3)
Ui 332 Images of Women in Literature (3)
Ui 406 Transforming the Female Experience (3)
Ui 4xx 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 301 Writing Science/Technology (3)
En 435 Internship (3)

Creative Writing
En 275 Intro to Creative Writing (3)
En 470 Adv Creative Writing: Poetry (3)
En 478 Adv Creative Writing: Fiction (3)

Zoology

21 Hours Required

Required Courses:
Bi 151 Biological Reasoning (3)
Bi 152 Intro to Scientific Investigation (1)
Bi 153 Intro to Organismal Biology (4)
Bi 154 Genetics & Cell Biology (4)
Zo 200 Animal Biology (3)

Choose 6 Hours From:
Bi 332 General Ecology (3)
Bi 384 Readings in Biology (1)
Bi 485 Topics in Biology (3)
Bi 493 Readings in Biology (2)
Bi 589-591 Biological Research (1-3)
Zo 315 Comparative Anatomy (3)
Zo 414 Developmental Biology (3)
Zo 420 Animal Behavior (3)
Zo 441 Parasitology (3)
Zo 459 Mammalogy (3)
Zo 460 Herpetology (3)
Zo 465 Entomology (3)
Zo 466 Ornithology (3)
Zo 469 Vertebrate Adaptations (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.

Two-Year Administrative Assistant Certificate Program

60 Hours Required

Required Courses - 18 Hours:
Ad 101 Intro to Micro Applications (3)
Ad 210 Business Computing Fundamentals (3)
Ad 222 Microcomp Appl for Business (3)
Ad 331 Advanced Word Processing (3)
Ad 341 Information Systems Procedures (3)
En 100 English Composition I (3)
En 140 Rhetoric & Critical Thinking (3)
Mg 252 Business Communication (3)
Py 101 Psych Perspect/Human Behavior (3)
Sc 105 Fund of Oral Communication (3)
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UI 100 First Year Seminar (3)

Choose 15 Hours From:
AC 221 Prin of Financial Accounting (3)
AD 337 Admin Systems Mgt Internship (3)
AD 339 Network Support Systems (3)
AD 353 Admin Systems Management (3)
BL 255 Legal Environment of Business (3)
CI 100 Intro to Criminal Justice (3)
ET 100 Networking Fund & Router Tech (3)
ET 101 Network Design & Adv Routing (3)
TG 282 Electronic Publishing (3)

Choose one course from each of the following categories:
- University Studies Economic Systems (3)
- University Studies Living OR Logical Systems (3)
- University Studies Political Systems (3)
- University Studies Social Systems (3)

DESIGN DRAFTING CERTIFICATE PROGRAM
65 Hours Required

Required Courses:
CH 180 Chemistry in Our World (3)
EN 100 English Composition I (3)
ET 162 DC Principles & Circuits (3)
ET 164 AC Principles & Circuits (3)
MA 133 Plane Trigonometry (2)
MA 134 College Algebra (3)
MN 170 Engineering Matl & Testing (3)
MN 203 Industrial Materials & Processes I (3)
MN 204 Industrial Materials & Processes II (3)
MN 354 Computer Aided Manuf (CAM) (3)
MN 383 Fluid Power (3)
PH 106 Physical Concepts (3)
SC 105 Fund of Oral System (3)
TG 120 Computer Aided Eng. Graphics (3)
TG 125 Print Reading for Industry (3)
TG 220 Solid Modeling & Rapid Prototyping (3)
TG 226 Residential Arch Drft & Design (3)
TG 322 Commerical Arch Drft & Design (3)
TG 324 Design Modeling & Processes (3)
TG 326 Advanced Production Drafting (3)

Choose 6 Hours of electives

ELECTRONICS PROGRAM
64 Hours Required

Required Courses:
EN 100 English Composition I (3)
ET 162 DC Principles & Circuits (3)
ET 164 AC Principles & Circuits (3)
ET 194 Intro to PLCs (3)
ET 245 Logic Circuits (3)
ET 260 Elect Circ Design/Analysis I (3)
ET 264 Industrial Electronics (3)
ET 468 Industrial Controls (3)
IM 102 Technical Communication (3)
IM 211 Industrial Safety Supervision (3)
IM 315 Work Measurement (3)
MA 133 Plane Trigonometry (2)
MA 134 College Algebra (3)
MN 260 Tech Computer Programming (3)
PH 120 Introductory Physics I (5)
SC 105 Fund of Oral Communication (3)

Choose 12 Hours of electives

GRAPHIC TECHNOLOGY PROGRAM
63 Hours Required

Required Courses:
AR 104 Design Foundations (3)
AR 201 Color Composition (3)
AR 317 Communication Graphics (3)
AR 319 Intro to Graphic Design (3)
EN 100 English Composition I (3)
IM 102 Technical Communication (3)
IM 211 Industrial Safety Supervision (3)
IM 318 Internship (6)
MC 201 News Writing (3)
MC 322 Editing (3)
TG 120 Computer Aided Eng. Graphics (3)
TG 180 Intro to Indus Graphics (3)
TG 280 Vect & Bitmap Graph for Indus (3)
TG 282 Electronic Publishing (3)
TG 284 Photography Fundamentals (3)
TG 386 Interactive Multimedia & Animation (3)
TG 482 Multicolor Print Processes (3)
TG 490 Advanced Graphics Projects (3)

Choose 6 Hours of electives
Course Listings
### COURSE LISTINGS

**COURSES ARE LISTED ALPHABETICALLY BY NAME OF DISCIPLINE**

(Course numbers which have been changed since the 2005 BULLETIN are listed in parenthesis.)

- Accounting (AC): 153
- Administrative Services (AD): 153
- Aerospace Studies (AS): 154
- Agriculture (AG): 155
- Agronomy (AO): 155
- Animal Science (AY): 156
- Anthropology (AI, AN): 156
- Art (AR): 157
- Art History (AH): 159
- Biological Sciences (BS): 160
- Biology (BI): 160
- Biology Gulf Coast Research Laboratory: 162
- Biotechnology (BT): 163
- Botany (BO): 163
- Business Administration (BA): 163
- Business Law (BL): 164
- Career Linkages (CL): 164
- Chemistry (CH): 164
- Child & Family (CF): 166
- Clothing & Textiles (CT): 167
- Coaching Education (CG): 168
- Communication Disorders (CD): 168
- Communication Studies (SC): 169
- Computer Science (CS): 170
- Construction Management (CM): 171
- Criminal Justice (CJ, CO, LE): 172
- Dance (DA): 173
- Early Childhood Education (CE): 174
- Economics (EC): 175
- Education (ED): 176
- Educational Foundations (EF): 176
- Electronics Technology (ET): 176
- Elementary Education (EL): 178
- Engineering Physics (EP): 179
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ACCOUNTING (AC)

AC 221. Principles of Financial Accounting. A study of financial accounting. The valuation of assets, liabilities, owner's equity, revenues, and expenses are detailed. Prerequisites: AD 101; MA 134 with minimum grade of 'C'; sophomore standing. (3)

AC 222. Principles of Managerial Accounting. Examines the principles and procedures of managerial accounting. Topics include cost-volume-profit analysis, budgeting, product costing, responsibility accounting, and quantitative techniques. Prerequisite: AC 221 with minimum grade of 'C'. (3)

AC 321. Intermediate Accounting I. Theory and procedures concerning financial accounting and reporting are discussed. Prerequisite: AC 222 with minimum grade of 'C'. (3)

AC 330. Accounting Information Systems. 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 of cost management systems; job order, process and standard costing; budgeting; responsibility accounting; and performance evaluation. Prerequisite: AC 222 with minimum grade of 'C'. (3)

AC 332. Intermediate Accounting II. Theory and procedures concerning revenue recognition, investments, stockholders' equity, tax allocation, EPS, pensions, leases, accounting changes, and statement of cash flows. Prerequisite: AC 321 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)

AC 435. Income Tax Accounting. An examination of federal income taxes with an emphasis on current tax laws applicable to individual income taxpayers. Prerequisite: AC 222 with minimum grade of 'C'; junior standing. (3)

AC 437. Auditing. An introduction to financial auditing: authoritative pronouncements, legal liability, code of ethical conduct, audit procedures, and the types of audit opinions. Prerequisite: 18 hours accounting with minimum grade of 'C' or consent of department. (3)

AC 491-493. Independent Study in Accounting. Intensive study of special problems related to accounting. Prerequisites: A minimum of 75 hours completed; a minimum cumulative grade point average of 2.5 overall or 2.75 in the department; a minimum of 10 semester hours in the department completed; permission of the department chairperson. (1-3)

AC 531. Strategic Cost/Managerial Accounting. Introduction and application of strategic cost/managerial accounting concepts and procedures. Prerequisite: AC 331 with minimum grade of 'C'. (3)

AC 534. Advanced Accounting. Business combinations, multinational enterprises, partnerships, consolidated statements and not-for-profit accounting. Prerequisite: AC 332 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)

AC 545. Advanced Income Tax Accounting. An examination of federal tax laws with an emphasis on corporate taxpayers, partnerships, and fiduciaries. Prerequisite: AC 435 with minimum grade of 'C'. (3)

AC 547. Accounting Theory. Study and application of accounting theory to current and emerging issues in accounting practice. Prerequisite: AC332 with minimum grade of 'C'. (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'; Senior standing. (3)

AC 573. Accounting Internship. A supervised learning and work experience in professional accounting which enhances and supplements other accounting courses. An internship normally involves at least 150 supervised contact hours. Prerequisites: Junior standing with a 2.75 GPA; 9 hours of AC prefix courses with 2.75 GPA. (3)

See University Studies (IU, UI) listings for description of:

IU 300. Cyberlaw (3)

UI 316. Contemporary Legal Studies. (3)

ADMINISTRATIVE SYSTEMS MANAGEMENT (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 skills. (3)

AD 210. Computing Fundamentals. A study of key information technology concepts and the vital technical knowledge that can improve individuals' professional and personal lives. (3)
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 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 computer networking technology. Prerequisite: AD 101 with minimum grade of 'C' or consent of the department. (3)

AD 341. Information Systems Procedures. Integration of specialized procedures to manage information support systems. Prerequisite: AD 101 with minimum grade of 'C.' (3)

AD 353. Administrative Systems Management. Organization and management of administrative information systems with emphasis on the skills, knowledge and role of the administrative office manager. (3)

AD 491-493. Independent Study in Administrative Services. Intensive study of special problems related to Business and Marketing Education and Administrative Systems Management. Prerequisites: A minimum of 75 hours completed; a minimum cumulative grade point average of 2.5 overall or 2.75 in the department; a minimum of 10 semester hours in the department completed; permission of the department chairperson. (1-3)

AD 520. Cooperative Education Programs. Changing philosophy and environment of cooperative education; overview of office and distributive education programs; planning, organizing and operating the cooperative programs. Prerequisites: SE 314; SE 370 or equivalent. (3)

AD 526. Improvement of Curriculum and Instruction in Business and Marketing Education. Study of the current trends, objectives, content, teaching techniques, and evaluation techniques in business and marketing education. Special emphasis given to selecting and evaluating instructional materials. Prerequisites: SE 314; SE 370 or equivalent. (3)

AD 527. Implementing Business and Marketing Education. Study of components for successful implementation of business and marketing programs. Prerequisites: SE 314; SE 370 or equivalent. (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, officerliness 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. Training laboratory concurrent with AS 100 and AS 101. Teaches basic drill, ceremonies, and Air Force standards. (0)

AS 200. USAF Air & Space Power I. A survey course designed to examine general element and employment of air and space power through an historical perspective. Topics include the historical evolution of USAF air and space power from balloons through the Korean War, Air Force Core Values, and application of writing and briefing communication skills. Corequisite: AS 299. (1)

AS 201. USAF Air & Space Power II. A continuation of topics taught in AS 200, including continued evolution of USAF air and space power from Vietnam to present day, USAF heritage and leaders, and continued application of writing and briefing communication skills. Corequisite: AS 299. (1)

AS 203. AFROTC Field Training. Four to six-week summer officer training program on an Air Force base for selected students designated for AFROTC Professional Officer Course. (4)

AS 299. Leadership Laboratory. Training laboratory concurrent with AS 200 and AS 201. Emphasizes drill and ceremonies; provides preparation for Field Training and applied leadership experiences discussed in class. (0)

AS 300. AF Leadership Studies I. 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)

AS 301. AF Leadership Studies II. A continuation of the topics taught in AS 300 plus officerliness 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)

AS 399. Leadership Laboratory. 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)

**AS 400. National Security Affairs.** 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)

**AS 401. Preparation for Active Duty.** 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)

**AS 499. Leadership Laboratory.** Training laboratory concurrent with AS 400 and AS 401. Provides advanced leadership experience with an orientation for initial commissioned service. (0)

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**AGRICULTURE (AG)**

**AG 201. World Food and Society.** Food production and distribution for the advancement of societies in developed and developing countries. (University Studies course) (3)

**AG 245. Agricultural Economics.** Economic principles and policies related to agriculture production and the food sector of the US economy. (3)

**AG 250. Agribusiness Management.** The role, organization, and basis for making economic and financial decisions within agribusiness. (3)

**AG 333. Agricultural Law.** Study of statutes, cases and administrative regulations of agricultural concern. Application of laws significant to business and operations of producers. (3)

**AG 334. Agribusiness Finance.** 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. Prerequisite: AC 221. (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. Topics in Agriculture.** Special topics in agriculture typically unavailable in the departmental curriculum such as agriculture instrumentation, clay mineralogy or forest soils. Prerequisite: consent of instructor. (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. Prerequisite: AG 245 or EC 215. (3)

**AG 440. Precision Agriculture.** Designed to familiarize students with site-specific technology, including use of GPS and GIS, through a hands-on experience. Two lectures; two-hour lab. Prerequisites: AO 120/020 or consent of instructor. (3)

**AG 447. Marketing Agricultural Products.** Emphasis is placed on alternatives in marketing products and problems that may be encountered. Managing risk using the futures market is also emphasized. Prerequisite: AG 245 or EC 215. (3)

**AG 461. 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. May be repeated for a maximum of 6 hours. Prerequisite: consent of instructor. (1-3)

**AG 465. Agriculture Internship.** Cooperative program between the department and an organization (employer) that furnishes facilities and instruction where students acquire additional knowledge and skills. 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 repeated for a maximum of 6 hours. Prerequisite: consent of instructor. (3)

**AG 470. Agribusiness Sales.** The sales sequence and development of 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)

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**AGRIMONY (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)

**AO 215/015. Soils.** Origin, classification, and physical, chemical and biological properties related 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)

**AO 260/060. Integrated Pest Management.** Integration of pest-control methods to improve control, decrease costs and minimize environmental impact. Prerequisite: AO 120/020 or BI 153. (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 BI 153. (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. Microbiological principles and cultural practices associated with diseases in plant production. Three lectures. Prerequisite: AO 120/020 or BI 153. (3)

AO 327. Sustainable Agriculture. Designed to introduce students to ecological principles and analysis of sustainability of agricultural systems. Prerequisite: AO 120/020. (3)

AO 401. Agriculture and Natural Resource Management. Application of fundamental agronomic principles to maintain and use natural resources for production, management, recreation, rural development and posterity. Prerequisites: AO 120/020 or BI 153, BI 151 or BS 105. (3)

AO 420. Crop Physiology. Study of the physiological processes underlying crop growth and production. Three lectures. Prerequisites: AO 120/020; AO 215. (3)

AO 427. Soil Fertility and Plant Nutrition. 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 480. Crop Production. Production practices for growing major crops, including planting, pest management, water management, harvesting, marketing, and processing. Prerequisites: AO 260; AO 323; AO 420. (3)

AO 550. Soil Conservation. 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)**

AY 101/001. Animal Science. Development and fundamentals of the 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 205 Horse Science. Feeding and management practices in horse care and production. Two lectures; two-hour lab. (3)

AY 304. Principles of Animal Nutrition. 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 and 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 304. (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; or consent of instructor. (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 250. World Archaeology. Humankind before recorded history, cultures from stone age to civilization in China, India, Africa, Egypt, Mesopotamia, Mexico and Peru. Prerequisite: 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. (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 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. (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 consent of instructor. (3)

AN 381. North American Archaeology. Origin and development of Indian cultures before recorded history, earliest migration into new world, European contact. (3)

AN 382. Archaeology: Method and Theory. A general introduction to the theories, methods, and practice of archaeology. Prerequisite: Junior standing or consent of instructor. (3)

AN 387-389. Independent Study in Anthropology. 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 400. Practicum in Teaching Anthropology. Applied and theoretical study of the teaching of anthropology in which students are paired with and supervised by faculty members. Senior standing or consent of instructor. (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 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 or consent of instructor. (3)

AN 551. Historic Archaeology Field School. Historic archaeological survey and excavation; intensive instruction in recovery and documentation of cultural remains; public interpretation of an excavation; practice in archival research. Prerequisite: Junior standing or consent of instructor. (6)

See University Studies (UI) listings for description of: UI 339. Indians of North America (3)

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 15 credit hour foundation program (AR 100, AR 104, AR 106, AR 201, AR 202) and before taking upper level or advanced art courses. Foundation 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 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 150. Structural Figure Drawing.** This course makes the transition between objective drawing of the still life, as practiced in Drawing I, and drawing the human figure, more fully developed in Drawing II. Students learn to apply objective drawing skills to the greater challenge posed by the human figure. Prerequisites: AR 100 or consent of instructor. (3)

**AR 201. Color Composition.** Theory and application of color as it applies to two-dimensional art. Prerequisite: AR 104. (3)

**AR 202. Drawing II: Human Figure.** Problems in drawing with emphasis on the human figure. Prerequisite: AR 150. May be repeated for additional credit. (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 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. May be repeated for a maximum of 6 hours. Prerequisite: AR 001. (3)

**AR 314. Drawing III: Advanced Problems.** 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. (3)

**AR 318. Graphic Design Internship.** Professional design experience in an appropriate work setting. Prerequisites: AR 001; AR 319; AR 322; AR 408; AR 416. (3)

**AR 319. Introduction to Graphic Design.** An introductory study of the principles and practices of graphic design, layout and typography as used in contemporary media. Prerequisites: AR 001 or consent of instructor. (3)

**AR 320. Watercolor I.** A beginning course in the use of transparent watercolor. Prerequisite: AR 001; AR 100. (3)

**AR 322. Typography.** An introduction to letter form and typography as they relate to typographic design, both historically and in the computer environment. Prerequisites: AR 001; AR 319; or consent of instructor. (3)

**AR 324. Digital Art Photography.** Introduction to the artistic, conceptual basics of digital photography. Students will develop an understanding of photography as creative and challenging art form and as art documentation. May be repeated for credit. (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. (3)

**AR 330. Fibers I.** A fibers survey including weaving, floor-loom weaving, dyeing 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)

**AR 370-372. Independent Study in Art.** 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)
AR 375. Art & New Technology. 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 408. Graphic Design Studio Problems. An advanced study of layout and design procedures for the visual designer with emphasis upon portfolio development. Prerequisite: AR 001; AR 319; AR 322. May be repeated for additional credit. (3)

AR 409. Illustration. The advanced study of contemporary techniques and methods for producing illustrations. Prerequisite: AR 100. (3)

AR 416. Advanced Graphic Design. An advanced study of the concepts and production techniques of graphic design. Prerequisite: AR 001; AR 319; AR 322. May be repeated for additional credit. (3)

AR 418. Introduction to Web Design. Introductory course in the basic principles and issues concerning web design and programming. Students will complete a working website that will be a self-promotional tool for them in the graphic design/web industry. Professional approach to the discipline of creating well-designed websites will be a key emphasis in the course. May be repeated for credit. (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 425. Figurative Sculpture. In-depth study in modeling the human figure in three dimensions. Students will handle the human figure in a variety of environments which will lead to the production of sculptural forms. May be repeated for credit. (3)

AR 426. Advanced Painting. An advanced exploration of painting media. Prerequisites: AR 001; AR 325. May be repeated for additional credit. 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 501. Intaglio Printmaking. The process of intaglio printmaking and personal expression. (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 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 110. Art History Survey I. A study of painting, sculpture and architecture from prehistoric times through the Gothic Age. (3)

AH 210. Art History Survey II. A continuation of Art History Survey I from the Renaissance to the contemporary era. (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)

AH 511. American Art. Study of the major contributions of artists living in the U.S. from the time of the Native Americans to the present. (3)

AH 512. Issues in Contemporary Art & Culture. 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 well political, economic and social impacts. (3)

See University Studies (UI) listings for description of: UI 337. Issues in Modern Architecture. (3)

BIOLOGICAL SCIENCES (BS)
(Courses with a BS prefix generally do not count on a Biology major or minor.)

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. Prerequisite: SW 110. (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. (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. (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: PH 218. (University Studies course) (3)

BS 240. (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 240 and BI 200. Two lectures and one 2-hour lab. Prerequisite: A course in Physical or Living Systems. (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. Prerequisites: BS 105 or BS 107 or BS 108. (3)

BIOLOGY (BI)
The major in Biology requires an option to be chosen by the student in consultation with a faculty advisor early in the sophomore year. The five options are biomedical sciences; general biology; microbiology, cellular and molecular; organismal, ecological and evolutionary; and wildlife and conservation. 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. Prerequisite: Senior Standing. (0)

BI 151. Biological Reasoning. Use of scientific reasoning and evidence from various biological disciplines to test hypotheses about the common ancestry of organisms. (3)

BI 152. Introduction to Scientific Investigation. Introduction of science as conjecture and refutation. Students will conduct multiple studies in which they generate hypotheses, design tests of the hypotheses, and collect, analyze, and present data. Computer-based statistical and graphing functions will be used. One two-hour lab. (1)

BI 153. Introduction to Organismal Biology. Course will provide a strong foundation in the unifying concepts and theories that best explain the origin and diversity of living organisms. Students will be introduced
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BI 154. Genetics and Cellular Biology. Biological molecules and their interactions, DNA replication, gene expression and regulation, membrane structure and function, cellular organization and cellular energetics. Three hours lecture; two hours lab. (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 154. (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: consent of instructor. (1)

BI 298-299. Biological Research I. Faculty-directed independent research project. May be repeated once for credit. Prerequisite: consent of instructor. (1-2)

BI 300. Introduction to Evolutionary Biology. An introduction to historical biology, incorporating principles of ecology, systemsatics, biogeography, and basic principles of evolutionary biology. Three lectures. Prerequisites: BI 154; MA 134. (3)

BI 332. General Ecology. An introduction to the fundamental principles of ecology. Two lectures and one 2-hour lab. Prerequisite: BI 154. (3)

BI 381. Molecular Genetics. Intermediate-level survey of genetics. Topics covered include enzymology of gene expression; introduction to gene regulation in prokaryotes and eukaryotes; and techniques of DNA manipulation. Three lectures. Prerequisite: BI 154. (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. (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. (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. Prerequisites: BI 200; BI225; BO 200; ZO 200. (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. Prerequisite: BI 154. (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. Prerequisite: BI 154. (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. Prerequisite: BI 154. (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 154. (3)

BI 443. (Cross-listed as EV 443) Epidemiology. Introduction to basic concepts, methods and applications of infectious disease, chronic disease and environmental epidemiology focused on epidemiological reasoning processes. Three lectures. Prerequisite: BI 154. (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. (Cross-listed as BT 450) Investigative Molecular Biology and Biotechnology. Gene cloning and analysis in an investigative environment. DNA isolation, sequence analysis, recombinant construction, hybridization, library screening, PCR. One hour lecture, 4 hours lab. Prerequisites: BI 200; BI 245; BI 381; CH 341; CH 342. (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 or ZO 200; CH 185. (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: 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: 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 154; 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; BI 154. (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: consent of instructor. (1-3)

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 489. Analysis of Biological Issues. Integration of knowledge, skills, and experience by students from disparate areas of biology through investigation of biological issues with broad world or community importance. Prerequisites: 30 hours of BI, BO, BT, or ZO courses. (2)

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 instructor. (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. (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. 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). Prerequisite: BI 154; 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. Prerequisite: BI 154; consent of instructor. (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: BI 154; consent of instructor. (1-3)

See University Studies (UI) listings for descriptions of: UI 303. The Female Experience. (3)
UI 317. Human Sexuality. (3)
UI 360. Recycling and Waste Management. (3)
UI 406. Transforming the Female Experience. (3)
UI 415. Science and Religion. (3)

BIOLOGY GULF COAST RESEARCH LABORATORY

These courses are offered during summers at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi, through an affiliation with the Institutions of Higher Learning of the State of Mississippi. Credit is
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granted by the University. Department of Biology advisors have additional details.

BI 352/353. Marine Science II: Marine Biology (3/2)
BI 541/540. Marine Microbiology. (3/2)
BI 559/560. Coastal Ecology Teacher. (3/1)
BI 571. Marine Science for Teachers. (3)
BI 573-578. Special Topics in Marine Science. (1-6)
BI 579/580. Applications of Biotechnology in Marine Biology. (3/3)
BI 593-598. Special Problems in Marine Science. (1-6)
BO 500/505. Marine Phycology. (2/2)
BO 562/561. Salt Marsh Plant Ecology. (2/2)
ZO 500/502. Marine Invertebrate Zoology. (2/1)
ZO 510/511. Comparative Histology of Marine Organisms. (3/3)
ZO 541/540. Parasites of Marine Animals. (3/3)
ZO 552/553. Marine Fisheries Management. (2/2)
ZO 554/555. Marine Aquaculture. (3/3)
ZO 559/560. Marine Mammals. (3/2)
ZO 562/561. Marine Ecology. (3/2)
ZO 563/566. Fauna and Faunistic Ecology of Tidal Marshes, Seagrasses & Sand Beaches. (2/3)
ZO 564/574. Marine Ichthyology. (3/3)
ZO 565/567. Early Life History of Marine Fishes. (2/2)

BIOTECHNOLOGY (BT)

BT 450. (Cross-listed as BI 450) Investigative Molecular Biology and Biotechnology. Gene cloning and analysis in an investigative environment. DNA isolation, sequence analysis, recombinant construction, hybridization, library screening, PCR. One hour lecture, 4 hours lab. Prerequisites: BI 200; BI 381; CH 341; CH 342. (3)

BOTANY (BO)

BO 200. Plant Biology. Survey of the structure, function, and evolution of those organisms traditionally considered as plants. Two lectures and one 2-hour lab. Prerequisite: BI 154. (3)
BO 361. Systematic Botany. Plant classification. Identification and relationships of seedbearing plants and ferns. One lecture and two 2-hour labs. Prerequisite: BI 154. (3)
BO 420. Ethnobotany. The history and traditional methods of plant use by ethnic groups and potential or current applications to modern human needs, such as pharmacy, nutrition, human habitat, clothing, and industry. Three lectures. Prerequisite: BI 154. (3)
BO 445. Plant Physiology. Physiological processes of seed plants with emphasis on metabolism, development, and transport. One lecture, one recitation, one 3-hour lab. Prerequisite: BI 154. (3)

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. (1-6)
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 com-
BUSINESS LAW (BL)
BL 255. Legal Environment of Business. This course examines foundations in law and business relating to regulatory, public and private legal environments, including international and ethical issues. Prerequisite: Sophomore standing. (3)
BL 455. Contracts. This course examines foundations of common law and statutory regulations governing contractual relationships, emphasizing commerce under the Uniform Commercial Code. Prerequisite: BL 255 with minimum grade of ’C’; junior standing. (3)
BL 563. Law and Business. A study of legal issues confronting business decision-makers, including negotiable instruments, debtor-creditor relationships, securities regulation and business organizations. Prerequisite: BL255 with a minimum grade of ‘C’. (3)
BL 573. Internship in Business Law. A supervised learning and work experience in law which enhances traditional business law courses. Prerequisites: 60 hours of course credit, including a minimum of 6 hours of law-related course work with a minimum 2.75 cumulative GPA; BL255 or its equivalent with a minimum grade of a ‘B’. (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)
CH 181/001/081. Basic Principles of Chemistry. 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. (University Studies course) (5)
CH 185/005/085. General Chemistry I. 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. (University Studies course) (5)
CH 186. General Chemistry II. 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. (3)
CH 187. Qualitative Analysis. A systematic analysis of inorganic materials, supplemented by experiments relevant to topics covered in CH 185 and CH 186. Four lab hours. Pre or corequisite: CH 186. (2)
CH 234. Organic and Biological Chemistry. A survey designed for non chemistry majors or minors covering basic organic chemistry and biochemistry. Two lectures and two-hour lab. Prerequisite: CH 180 or CH 181/081/001 or consent of instructor. (3)
CH 271. Quantitative Analysis. Theory and techniques of analytical chemistry. Two lectures and four hour lab. Prerequisites: CH 186; CH 187. (4)
CH 310. Introduction to Physical Chemistry. 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. Prerequisites: MA 139; CH 271; PH 121 or PH 230. (5)
CH 311. Physical Chemistry I. A systematic study of the gaseous state, thermodynamics and thermochemistry, nonelectrolyte solutions, and electrolyte solutions. Four lecture hours. Prerequisites: CH 271; PH 121 or PH 231. Pre or Corequisite: MA 240. (4)
CH 312. Physical Chemistry II. A systematic study of quantum mechanics, group theory, chemical bonding, molecular spectroscopy, and chemical kinetics. Three lecture hours. Prerequisite: CH 311. (3)

CH 313. Physical Chemistry Laboratory. Experimental application of principles of physical chemistry in calorimetry, electrochemistry, molecular spectroscopy, chemical kinetics, and study of gases and liquids. Six lab hours. Pre or Corequisite: CH 312. (3)

CH 341. Organic Chemistry I. 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. (4)

CH 342. Organic Chemistry Lab I. 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. (1)

CH 343. Organic Chemistry II. A continuation of Organic Chemistry I focusing on synthesis, mechanisms of reactions, and spectroscopy of organic molecules. Three lecture hours. Pre or corequisite: CH 342. (3)

CH 344. Organic Chemistry Lab II. Students will perform selected organic syntheses and develop skills in semimicro qualitative organic chemistry. Four lab hours. Pre or corequisites: CH 343 or consent of instructor. (2)

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. Two lectures and two hours lab. Prerequisites: CH 234 or CH 343 or consent of instructor. (3)

CH 391-399. Undergraduate Research. Original research for students with demonstrated superior ability. On demand. Pre or corequisites: UI 443; consent of department. (1-9)

CH 400. Special Topics in Chemistry. Special topics in chemistry unavailable in the department curriculum such as electrochemistry, nuclear 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 420. Forensic Chemistry. Applications of the principles, methods, and instrumentation of chemistry to forensic problems. Covers topics most commonly applicable to the everyday functions of a crime laboratory professional. Three lectures and two hours lab. (4)

CH 447. Advanced 1 & 2 Dim NMR Techniques. Advanced NMR techniques applied to structure determination. This course will provide theoretical and hands-on training of various 1D and 2D NMR techniques. Two lecture hours and two lab hours. Prerequisite: CH 344 or consent of instructor. (3)

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. 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. 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. 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. Prerequisite: CH 344 or consent of instructor. (3)

CH 563. Environmental Estuarine 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. 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. Pre or corequisite: CH 312 or CH 310 with consent of instructor. (4)

See University Studies (UI) listings for description of: UI 331. Biochemistry I, (3)

UI 443. Professional Experience in Chemistry, (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)

CF 119. Child Growth and Development. 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)

CF 124. Child Health, Safety and Nutrition. 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. Gerontology Practicum I. 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 209. Introduction to Family Systems. Introduction to family systems theory including basic concepts and principles, subsystem alignments, and change mechanisms within the family framework. (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. Prerequisite: 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/PY 120. Corequisite: CF 290. (1)

CF 300. Parent Education. Involving parents from diverse backgrounds in educating young children; responsive communication and organizational skills appropriate for use with parents. Corequisite: CF 301. (2)

CF 301. Parent Education Laboratory. Field experiences working with parents and teachers in supervised settings. 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 320. Adult Life Skills Education. Overview of andragogy and adult learning style. Content preparations of comprehensive life skills topics and application within the context of families. Two hours lecture; two hours lab. Prerequisites: CF 300; CF 301. (3)

CF 340. Family Advocacy Practicum. Opportunity for the student to work as a family advocate across the lifespan with families in a day care setting. TB test and criminal background screening required. Prerequisites: CF 102; CF 120; CF 209; CF 300; CF 301; or permission of instructor. (3)

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 decision-making 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 405. Special Population Practicum.** Professional supervised placement in centers serving young adults/adult special populations. Criminal background screening required. Prerequisites: CF 300, CF 301 and CF 320; or six hours in human service course; or permission of instructor. (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 administration of programs. Prerequisites: CF 290; CF 291. (3)

**CF 430. Parent-Child Interaction.** 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. (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. (3)

**CF 501/002. Preschool Child Practicum.** Clinical experience in guidance and care of the preschool child. Prerequisite: CF/PY 120. (3)

**CF 502. Preschool Children and Computer Technology.** Introduction to microcomputer hardware; awareness of computer curricula available; understanding role of computer technology in young child's development. Prerequisite: CF/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)

**CF 509. Child Life Services.** Analysis of the reactions of children to hospitalization. Discussion of clinical skills related to developmental and psychosocial care of hospitalized children. (3)

**CF 512. Family and Community Resources.** Resource identification, assessment, organization and referral techniques appropriate for professionals working with all ages and all families. Prerequisite: Junior standing or permission of instructor. (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. (2-3)

**CF 520. Family Assessment.** Overview of strategies and tools necessary for assessment of the family system. Administration and evaluation of assessment process. Prerequisites: CF 102; CF 209; CF 402; CF 430; or consent of instructor. (3)

**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; RC 260; CF 409 with 2.5 GPA; 2.5 cumulative GPA; or consent of department chairperson. (6)

**CF 565. Family Service Internship.** Capstone professional internship in a human service agency, program or organization. Criminal background check required. Prerequisites: CF 207, CF 340, CF 405, CF 520 with grades of 'C' or better; senior standing with a cumulative GPA of 2.0; or permission of instructor. (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)

**CT 350. Apparel Aesthetics.** 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)
COACHING EDUCATION (CG)

CG 205. Coaching of Baseball. Introduction to the coaching of baseball: fundamental skills, offensive systems, drills, practice organization, and scouting techniques. (2)

CG 210. Coaching of Basketball. Introduction to the coaching of basketball: fundamental skills, offensive systems, drills, practice organization, and scouting techniques. (2)

CG 215. Coaching of Football. Introduction to the coaching of football: fundamental skills, offensive 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, 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)

CG 235. Coaching of Soccer. Introduction to the coaching of soccer: fundamental skills, offensive systems, drills, practice organization, and scouting techniques. (2)

CG 470. Coaching Practicum. Participation in an approved school athletic program. Emphasis on planning, goal setting, and season and within season training programs. Prerequisites: PE 220; PE 235; PE 341; appropriate coaching course; physical education major or coaching minor. (3)

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. Prerequisite: 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)

CD 340. Normal Speech & Language Development. 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)

CD 371. Anatomy & Physiology of the Hearing Mechanism. Basic course in hearing science including the physics of sound, anatomy, and physiology of the hearing mechanism, theoretical aspects of the hearing mechanism. Prerequisite: BS 107. (3)

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. Prerequisite: CD 406. (3)

CD 406. Service Delivery in Communication Disorders. Study of materials and techniques used in managing children and adults with communication disorders; service delivery, report writing, basic clinical intervention techniques. Prerequisite: CD 230. (4)

CD 411. Nature of Assessment & Intervention of Speech and Language Disorders. The study of etiology, prevention, assessment and intervention in articulation, voice, resonance, fluency and language disorders. Prerequisites: CD 230; CD 340; or consent of the instructor (4)

CD 426. Hearing Disorders: Audiological Assessment. Basic course in diagnostic audiology including instrumentation, calibration, case history interview, pure-tone
COMMUNICATION STUDIES (SC)

SC 105. Fundamentals of Oral Communication. The development of proficiency in oral communication through the study of rhetorical theories, principles, and strategies. (University Studies course) (3)

SC 155. Interpersonal Communication. Consideration of the elementary principles involved in effective person to person communication. (University Studies course) (3)

SC 160. Intercollegiate Debate. (For those in intercollegiate debate.) Introduction to contest debate and study of the intercollegiate debate question. (2)

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)

SC 215. Intercultural Communication. Study of such cultural variables as language, values, institutions, traditions, customs and nonverbal behavior on the communication process. (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 compositional 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)


SC 330. Corporate and Professional Communication. The study of basic communication principles and the opportunity to apply those principles to typical business and professional communication situations. (3)

SC 335. Interviewing: Principles and Practices. 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)

SC 335. Relational Communication Strategies. Study of concepts and theories of communication strategies in building and maintaining relationships, with emphasis upon improving communication in the workplace. (3)

SC 400. Advanced Debate. (For those in intercollegiate debate.) Intensive study of the intercollegiate debate question. (3)

SC 406. Communication Principles of Negotiation and Conflict Management. Study of the utility of negotiation and mediation in community, interpersonal, labor/management, legal, commercial and international disputes. (3)

SC 463. Independent Study. Individual study in communication principles and research. Prerequisite: Consent of department chairperson; senior standing and 2.75 GPA. (3)

SC 482. Special Problems in Communication Study. Seminar designed for in-depth study and research of a specific aspect of communication studies. Content varies depending on topic. May be repeated for additional credit. Prerequisite: 75 credit hours of permission of department chairperson. (1-3)

SC 483. Internship in Speech Communication. Supervised work with professionals in communication studies. Prerequisites: 75 hours with minimum 2.75 GPA; 18 hours of speech communication with minimum of 2.5 GPA; consent of department chairperson. (3)

SC 505. Seminar in Criticism of American Public Address. 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.** A study and survey of leadership theories and concepts of team building. Emphasis on communication competencies necessary for successful leadership and teamwork within the organizational culture. (3)

**SC 560. Organizational Communication.** Study of communication functions and networks in organizations. Emphasis on leadership functions and principles needed for effective management of organizational communication processes. Prerequisite: 3 hours of Communication Studies. (3)

See University Studies (UI) listings for descriptions of:

- **UI 420. 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 Computer Information Systems majors. Credit/no credit. Prerequisite: Computer Science or Computer Information Systems major; enrolled in final semester of degree program. Corequisite: CS 495. (0)

**CS 117. The Information Age.** The impact of information technology on social structures, 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, computer 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. (3)

**CS 155. Computer Science I.** Fundamental principles of computer science and software engineering concepts, including working from software requirements in order 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. Three hours lecture and two hours lab. Prerequisite: MA 134 or equivalent Logical Systems course with minimum grade of ‘C’ or high school equivalent. (4)

**CS 245. Discrete Structures I.** Introduction to discrete structures as used in computer science. Topics include proof techniques, fundamental structures, induction, recursion, basic algorithm analysis. Prerequisite: CS 155 0with a minimum grade of ‘C’. (3)

**CS 265. Computer Science II.** Review of static data structures. Introduction to recursion, 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. Three hours lecture and two hours lab. Prerequisite: CS 155 with a minimum grade of ‘C’. (4)

**CS 280. Computer Systems.** Computer hardware and software systems including computer organization, assembly language, and operating systems. Prerequisite: CS 265 with minimum grade of ‘C’. (3)

**CS 300. Computer Science III.** Continued study of data structures, algorithms, object orientation, and standard libraries with an emphasis on practical programming. Three hours lecture and two hours lab. Prerequisite: CS 265 with minimum grade of ‘C’. (4)

**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)

**CS 331. Applications Programming.** An introduction to the Java programming language for programmers. Prerequisites: CS 300 and CS 315 with minimum grade of ‘C’. (3)

**CS 345. Discrete Structures II.** A continuation of the study of discrete structures in computer science. Topics may include graph theory, computational models, proof of correctness and algorithm analysis. Prerequisites: CS 265; CS 245 or MA138; MA 140 with minimum grades of ‘C’ (3)

**CS 350. Analysis of Algorithms.** A continuation of the study of data abstractions and the algorithms for their manipulation. Emphasis on the analysis of non-numeric algorithms. Prerequisites: CS 300 and CS 345 with minimum grade of ‘C’. (3)

**CS 360. Computer Organization.** The structured organization of computers with emphasis on the conventional machine level, the microprogramming level, and contemporary aspects of computer architecture. Prerequisites: CS 265 and CS 280 with minimum grade of ‘C’ (3)

**CS 375. Computer Graphics.** Study of principles, problems, and applications of computer graphics in two and three dimensions. Prerequisites: CS 315 with minimum grade of ‘C’. (3)

**CS 380. Computer Operating Systems.** 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)

**CS 445. Software Engineering I.** Provides an in depth understanding of the principles and techniques used in software engineering. Apply techniques and tools to produce the system artifacts pertaining to requirements, analysis and design. Prerequisites: Senior standing; permission of department; CS 300 and CS 315 with a minimum grade of ‘C’. (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. Prerequisite: CS 315 with minimum grade of ‘C’; CS 300 strongly recommended. (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 or Computer Information Systems major or minor. Credit/no credit only. 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 245; CS 300 with minimum grades of ‘C’. (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. Prerequisite: Computer Science or Computer Information Systems major; enrolled in final semester of degree program; passage of WP 003. Corequisite: CS 003. (1)

**CONSTRUCTION MANAGEMENT (CM)**

**CM 243. Construction Methods and Materials.** Print reading and the study of the materials, procedures and processes utilized in the building construction industry. Prerequisite: TG 226 or consent of instructor. (3)

**CM 310. Construction Building Codes.** Study of the requirements and applications of the International Code Council codes, including the International Building Codes, International Residential Code and the International Mechanical Code, and the National Electrical Code. Prerequisite: TG 126. (3)

**CM 315. Construction Contracts and Legal Issues.** Construction and design contracts, rights, obligations and liabilities of parties engaged in construction that flow from the contracts, laws and business practices common to the construction industry. Prerequisite: TG 126. (3)

**CM 320. Construction Cost Estimating.** Preparation of bid proposals including methods of pricing materials, equipment, and labor for residential and commercial construction projects. Prerequisites: MA 134; TG 322. (3)

**CM 325. Building Mechanical and Electrical Systems.** Overview of the principles and applications of all basic mechanical and electrical systems, with basic design data examples, exploring emerging technology and environmental issues, and referencing essential engineering calculations and date to illustrate principles. Prerequisite: CM 243. (3)

**CM 330. Construction Planning and Scheduling.** Construction project planning and scheduling principles and practices used by contractors to control time and cost. Prerequisite: TG 322. (3)

**CM 343. Construction Surveying and Testing.** Continuation of the study of materials, procedures, and processes utilized in construction as well as land surveying and testing of materials and soils for residential and commercial construction applications. Prerequisites: CM 243; TG 226. (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)
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)

CJ 230. Correctional Institutions. 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)

CJ 325. Security Systems. 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)

CJ 326. Security/Asset Prevention. 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)

CJ 327. Security Management. 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)

CJ 330. Criminal Investigations. Examination of techniques employed in the investigation of crimes and the professional application of these techniques. Prerequisites: CJ 100; CJ 110; CJ 220. (3)

CJ 335. Police Operations. 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)

CJ 350. Evidence Collection and Preservation. 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)

CJ 355. Constitutional Rights of Inmates. 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, work-study projects and other community based programs. Prerequisites: CJ 100; CJ 125. (3)

CJ 370. Juvenile Justice. 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)

CJ 510. Comparative Criminal Justice Systems. 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. (3)

CJ 525. Crime & Criminal Justice Policy. 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)

CJ 526. Statistical Analysis in Criminal Justice. 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)

DA 100. Dance Appreciation. Develops ability to describe, analyze, interpret, and evaluate dance exposure to writings, discussions, active learning dance experiences, and performances. (University Studies course) (3)

DA 105. (Cross-listed as TH 105). Rehearsal & 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. (1)

DA 130. Ballroom Dance I. Fundamental steps in ballroom dance, including the fox trot, waltz, tango, swing, and cha-cha. (1)

DA 140. Body-Mind Conditioning I. An activity-oriented exploration of the Pilates exercise program (the Physical-mind Method) and other body therapies. (1)

DA 145. Line Dance I. Introduction to the variety of line dances from the United States and around the world. (1)

DA 146. Swing Dance. Course designed to introduce the basic steps of swing dance. Covers partnership technique, dance posture, basic six and eight count rhythms, and footwork patterns. May be repeated for credit. (1)

DA 186. Beginning Jazz Dance. Studio course designed for non-majors with limited experience in jazz dance. Course introduces the fundamentals of jazz dance technique while exploring differences in movement quality, energy and rhythm. May be repeated for credit (1)

DA 211. Ballet I. Level I ballet technique training for majors, minors, and non-major dancers. (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 aerobics. Laboratory class. (3)

DA 221. Modern Dance I. Level I modern dance technique training for majors, minors, and non-major dancers. (2)

DA 226. Jazz Dance I. Level I jazz dance technique training for majors, minors, and non-majors with previous dance training. (2)

DA 236. Tap Dance I. Level I tap dance technique training for majors, minors, and non-majors. (2)

DA 280. Movement Analysis. Conceptual based exploration of human movement as the primary expression of Dance and Theatre. (3)

DA 305. (Cross-listed as TH 305). Rehearsal & Production II. Advanced 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. (1)

DA 311. Ballet II. Level II ballet technique training for majors, minors, and experienced non-major dancers. Prerequisites: DA 211; consent of instructor. (2)

DA 321. Modern Dance II. Level II modern dance technique training for majors, minors, and experienced non-major dancers. Prerequisites: DA 221; consent of instructor. (2)

DA 326. Jazz Dance II. Level II jazz dance technique training for majors, minors, and experienced non-major dancers. Prerequisites: DA 226; consent of instructor. (2)

DA 336. Tap Dance II. Level II tap dance technique training for majors, minors, and experienced non-major dancers. Prerequisites: DA 236; consent of instructor. (2)

DA 380. (DA 330). Choreography I. Practice in the craft of choreography and utilization of formal structures to compose dances as works of art. (3)

DA 411. Ballet III. Level III ballet technique training for majors, minors, and junior-level non-major dancers. Prerequisites: DA 311; consent of instructor. May be repeated for credit. (2)

DA 421. Modern Dance III. Level III modern dance technique training for majors, minors, and junior-level non-major dancers. Prerequisites: DA 321; consent of instructor. May be repeated for credit. (2)
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DA 426. Jazz Dance III. Level III jazz dance technique training for majors, minors, and junior-level non-major dancers. Prerequisites: DA 326; consent of instructor. May be repeated for credit. (2)

DA 430. Principles of Teaching Dance. An exploration of various methods used to teach dance in the community, private studios, or the K-12 school system. Prerequisites: Two of 411, 421, or 426 and 280. May be repeated for credit. (3)

DA 436. Tap Dance III. Level III tap dance technique training for majors, minors, and junior-level non-major dancers. Prerequisites: DA 336; consent of instructor. May be repeated for credit. (2)

DA 461-463. (Cross-listed as TH 461-463). Independent Study. Individual study in theatre or dance. (1-3)

DA 471. Ballet IV. Level IV ballet technique training for majors, minors, and senior-level non-major dancers. Prerequisites: DA 411; consent of instructor. May be repeated for credit. (2)

DA 481. Modern Dance IV. Level IV modern dance technique training for majors, minors, and senior-level non-major dancers. Prerequisites: DA 421; consent of instructor. May be repeated for credit. (2)

DA 486. Jazz Dance IV. Level IV jazz dance technique training for majors, minors, and senior-level non-major dancers. Prerequisites: DA 426; consent of instructor. May be repeated for credit. (2)

DA 490. Dance History. Study of dance styles and traditions throughout history, focusing on Western culture from 1500 - present. (3)

DA 496. Tap Dance IV. Level IV tap dance technique training for majors, minors, and senior-level non-major dancers. Prerequisites: DA 436; consent of instructor. May be repeated for credit. (2)

DA 498. (Cross-listed as TH 498). BFA Project. Preparation, presentation, and assessment of a major artistic project. (2)

DA 499. (Cross-listed as 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. Presents a preventative model of classroom management which includes comparison of various theories and discussion of general positive classroom practices. Prerequisite: EL 120. (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 I; CF 290; CF 291. (3)


CE 433. Student Teaching Experience I. Professional practicum requiring demonstration of Teacher Work Sample Implementation in school settings. Under the direction of cooperating teachers and university supervisors. Prerequisite: In good standing in Teacher Education Program, successful completion of PH 218, UI 318. (6)

CE 434. Student Teaching Experience II. Intensive professional practicum in school settings. Under the direction of cooperating teachers and university supervisors. Prerequisite: In good standing in Teacher Education Program, Successful completion of PH 218, UI 318, and Student Teaching Experience I (CE 433). (6)

CE 460. Alternate Student Teaching. Professional practicum requiring demonstration of Teacher Work Sample Implementation in school settings. Under the direction of a cooperating teacher. (8)

CE 499. Portfolio Review. During Block IV Student Teaching, majors pursuing BS in Education - Elementary, Early Childhood, or Special Education - must successfully complete a Teacher Work Sample. (0)

CE 502-504. Exemplary Programs in Early Childhood Education. Study of innovative and exemplary programs at the regional, national and international level.
ECONOMICS (EC)

EC 101. Economic Problems and Policies. 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)

EC 215. Principles of Microeconomics. 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)

EC 225. Principles of Macroeconomics. 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. (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. Prerequisite: EC 225. (3)

EC 340. Economies 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. Prerequisite: EC 225. (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)

EC 350. Development of Economic Thought. 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)

EC 351. Applied Economic Models. 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 380. Labor Economics. The determination of wages, employment and the quantity and quality of work is examined. Prerequisite: EC 225. (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)

EC 387-389. Independent Study in Economics. 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. Prerequisite: EC 225. (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. Prerequisite: EC 225. (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. Prerequisite: EC 215. (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. Prerequisite: EC 225. (3)

EC 470. Public Sector Economics. The financing of national, state and local governments. Prerequisite: EC 225. (3)

EC 490. Business Forecasting. Introduction to the various econometric forecasting techniques available to deal with economic and business prediction. Prerequisites EC 225; 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. Prerequisites/Pre-requisites: EC 410; EC 420. (1)

EC 525. Public Policy Economics. Economic analysis of the functions of government in a market economy. Prerequisite: EC 225. (3)
EC 561. Managerial Economics. Application of microeconomic theory to the practical problems faced by decision makers in business environment. Prerequisites: EC 215. (3)

EC 580. International Economics. 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)

ECU 322. International Political Economy. (3)

UI 349. Comparative Economic Systems. (3)

UI 366. Law and Economics. (3)

UI 371. Government and Business. (3)

ED 255. Children and the Arts. To enable the student to integrate dance, music, theatre, and visual art in the educational setting. Corequisite: Elementary Block II. (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)

ED 525. International Teaching Practicum. Comparative study of and supervised teaching practicum in an international and multicultural setting. Prerequisites: Completion of required techniques of teaching courses; overall GPA of 2.5; consent of instructor. (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 440. Contemporary Issues in Education. Course will provide students with an overview of current national and state educational issues, including political, legal, sociological and others that are of current interest and concern. (3)

EF 590. Foundation of Curriculum Development. An exploration of the school curriculum; consideration will be given to the foundations, principles and issues, and the leadership needed to guide curriculum planning through curricular evaluation. For alternative certification only. (3)

EF 591. History of American Education. An examination of education in America from the colonial period to the present, focusing on educational ideas and practices in the context of American social and intellectual history. For alternative certification only. (3)

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. For alternative certification only. (3)

EF 596. Education in American Society. An examination of education in the social structure of America concentrating on the social forces that affect education in a pluralistic society and on the educational functions of schools and other social institutions. For alternative certification only. (3)

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)

ET 101. Network Design and Advanced Routing. 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 Principles and Circuits. A study of DC circuit analysis, circuit theorems, devices, meters, practical applications, and troubleshooting. Co-requisite: MA 134. (3)

ET 164. AC Principles and Circuits. A study of AC circuit analysis and theorems, capacitors, inductors, phasors, complex numbers, RL, RC, RLC circuits, filters, and polyphase systems. Prerequisite: ET 162. Corequisite: MA 133. (3)

ET 194. Fundamentals of Programmable Logic Controllers. 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. (3)

ET 245. 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 160 or ET 162. (3)

ET 254. Fiber Optics and Network Communications. Principles of fiber optics, system components, applications of fiber optics in data and network communication systems. Prerequisite: ET 245. (3)

ET 255. Microcomputer Maintenance and Troubleshooting. A study of the installation and repair of major computer peripherals including printers, disk driver and display. Corequisite: ET 245. (3)

ET 260. Electronic Circuit Design and Analysis. Analysis, design, and application of diodes, amplifier circuits, based on BJTs, JFETs, and MOSFETs; and various operational amplifier circuits. 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 264. Industrial Electronics. A study of electronic/electrical control and instrumentation used in industry. Topics to include electrical and electronic control systems, closed-loop control systems, associated industrial control devices, transducers and sensors, solid state devices, optoelectronics, electromechanical devices, electrical control diagrams, and telemetry. Prerequisites: ET 194; ET 260. (3)

ET 275. Network Routing and Switching 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 245 or ET 255. (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, wave guides, coaxial lines, tees, couplers, resonant cavities, mixers, detectors, and switches used in communication systems. Prerequisite: ET 262 and PH 120. (3)

ET 365. Industrial Electrical Power. 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 245 or EP 305. (3)

ET 367. Motor Control and Drive Systems. Study of modern power semiconductor devices, converters, voltage-fed inverters, pulse width modulation techniques, DC motor drives and AC motor drives including scalar control and vector control. Prerequisite: ET 365. (3)

ET 368. Advanced Digital Principles. A study of the SSI, MSI, LSI, VLSI, programmable logic and memory chips that make up the modern microcomputer. Prerequisite: EP 305 or ET 245. (3)

ET 370. Computer Peripherals, Networking and Routers. OSI networking and topologies, beginning router configurations, routing protocols, and introduction LAN switching. Prerequisite: basic computer literacy. (3)

ET 375. Network Routing and Switching 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 275. (3)

ET 395. Server Maintenance and Troubleshooting. Installation and configuration of network operating systems with focus on network communications, server setup, maintenance, troubleshooting, and administration using UNIX, Linux, Windows 2000, NT, and XP network operating systems. Prerequisite: ET 255. (3)

ET 425. Wireless Communications and Mobile Data Networks. Topic in analog cellular phone systems (AMPS); digital cellular standards - GSM, IS-95; short message service (SMS); 2.5 G data services; cellular standards (CDMA 2000 and WCDMA/UMTS); wireless LANs (IEEE 802.11); Bluetooth, Mobile IP; ad hoc and sensor networks. Prerequisite: ET 254 or ET 375. (3)

ET 435. Network Security. Topics in security services, threats, and vulnerabilities for networked environments. Principles of cryptography, security protocol design and analysis, node and service authentication, address spoofing, hijacking, SYN floods, sniffing, viruses, intrusion detection, firewalls, and ethical and legal issues. Prerequisite: ET 375. (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 466. Industrial Instrumentation.** Measuring industrial parameters and converting to coded electrical impulses, converting these impulses to sensory perceived displays. Prerequisite: ET 460. (3)

**ET 468. Industrial Control.** A study of process control fundamentals (PI, PD, PID), sensors, transducers, actuators, and distributed controls, and their industrial/commercial applications using programmable controllers. Prerequisite: ET 194, ET 365, and MA 139. (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 275; ET 365. (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 or permission of instructor. (2)

**EL 260. Elementary Block II: Field Experience.** Field experiences for the implementation of Block II content course requirements. Prerequisite: Elementary Block I, LI 243, and admission to Teacher Ed Program. (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 LI 243. Corequisite: EL 260. (2)

**EL 262. Foundations of Reading Techniques.** This field-based course focuses on competencies of pedagogy of teaching reading. Prerequisite: Elementary Block I and LI 243. Corequisite: EL 260. (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 LI 243. Corequisite: EL 260. (2)

**EL 350. Elementary Block III: Field Experience.** Integration of appropriate field experiences with course work taken in Elementary Block III. Prerequisite: Block II. (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, BS 118, and BS 218 or PH 218. Corequisite: EL 350. (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, US 105 or US 107, PS 103, EC 101 and UI 308. Corequisite: EL 350. (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, MA 118, and MA 318 or MA 418. Corequisite: EL 350. (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. Corequisite: EL 350. (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. Corequisite: EL 350. (2)

**EL 453. Student Teaching Experience I.** Professional practicum requiring demonstration of implementation of the Teacher Work Sample elements in school setting. Under the direction of cooperating teacher and university supervisor. Prerequisite: In good standing in Teacher Education Program. (6)

**EL 454. Student Teacher Experience II.** Professional practicum under the direction of cooperating teacher and university supervisor. Prerequisite: In good standing in Teacher Education Program. (6)

**EL 455. Student Teaching Experience I.** Professional practicum requiring demonstration of implementation of the Teacher Work Sample elements in school setting. Under the direction of cooperating teacher and university supervisor. Prerequisite: In good standing in Teacher Education Program. (2)

**EL 460. Alternate Student Teaching.** Professional practicum requiring demonstration of MoSTEP Quality Indicators in school settings. Under the direction of a cooperating teacher. (8)

**EL 499. Portfolio Review.** During Block IV Student Teaching, majors pursuing BS in Education - Elementary, Early Childhood, or Special Education - must successfully complete a Teacher Work Sample. (0)

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. Pre or corequisites: MA 133; MA 134; or MA 135. (1)

EP 240. Circuit Analysis. Direct-current circuits; circuit elements; Kirchhoff's Laws; loop and nodal analysis; network theorems; natural forced, and complete circuit response, steady-state AC circuits, AC power, polyphase circuits, frequency response. Prerequisites: PH 231; MA 240. (4)

EP 261. Engineering Mechanics Statics. Bodies in equilibrium. Vectors and vector algebra; forces, moments, and couples; equivalent force systems; frictional forces; structural analysis; distributed forces and properties of surfaces. Prerequisite: PH 230; Pre or corequisite: MA 240. (3)


EP 305. Digital and Analog System Design. Logic circuit analysis and design; analog circuits including opamp 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. 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. Prerequisite: EP 305. (3)

EP 340. Electronic Circuits. Physics of diodes; diode applications; physics, biasing, and small-signal models of bipolar junction transistors (BJTs) and field-effect transistors (FETs); frequency response of amplifiers; feedback; oscillators; operational amplifiers; and active filters. Three hours lecture; two hours lab. Prerequisite: PH 121 or PH 231. (4)

EP 361. Thermal Analysis. Thermodynamic laws and processes; heat transmission; kinetic theory. Applications to heat engines, turbines, refrigeration, and heat exchangers. Prerequisites: PH 231; MA 245. (3)


EP 374. Control Systems. 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. 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. (1-3)

EP 460. Measurements and Instrumentation. Techniques of measurement; energy conversion, sensors and transducers; principles and operation of instruments for measurement; data acquisition and processing; automatic control and control elements. Prerequisites: PH 231; MA 245. (3)


EP 462. Materials Science. The solid state; structure of solids; mechanical, chemical, thermal, electrical, magnetic and optical properties of materials; behavior of materials in engineering applications. Prerequisites: PH 121 or PH 231; 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. Pre or corequisite: PH 345 or UI 330. (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. 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 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 service-learning 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 275. Introduction to Creative Writing. Theory and practice in various forms of poetry and short fiction. 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. (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)

EN 378. Grammars of English. Traditional and modern American grammar and usage. Prerequisites: EN 140; any 200-level literature course. (3)

EN 379. Composition in the Secondary School. 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. (3)

EN 380. An Analysis of Writing Skills in the Elementary School. 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 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. 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. Advanced Creative Writing: Fiction. For undergraduate students who wish to create imaginative writing in fiction, including traditional and experimental short stories, novels, and drama. In addition to workshop sessions and special problems assigned in class, at least two imaginative works in fiction 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 486. Sociolinguistics. Study of language in context, particularly dialects, bilingualism, multilingualism, speech communities, genderlects, and regional/social variations as they relate to linguistic variables. On-campus course, which is also a synchronically interactive telecommunications course. Computer literacy and email access required. (3)

EN 550. Style in Writing. Theory and practice of style in written expression, analyzing styles of writers representing various periods and types of writing; focus on the development of style in the student's own writing. Prerequisites: EN 140; any 200-level literature course. (3)

See University Studies (UI) listings for descriptions of: UI 500. History of the English Language. (3)

UI 501. Principles of Language. (3)
ENVIRONMENTAL SCIENCE (EV)

EV 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. Two lectures and one two-hour lab. Prerequisites: CH 341; CH 342. (3)

EV 365. (Cross-listed as 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)

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 humans. Prerequisites: Junior standing; CH 181 or CH 185. (3)

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; MA 134. (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)

EV 471-473. Topics: Environmental Science. 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 comprehensiveness 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)

EV 491-493. Research in Environmental Science. 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)

EV 551. Hazardous Materials Assessments. 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 360. Recycling and Waste Management. (3)
UI 386. Environmental Health. (3)
UI 387. Environmental Law and Public Policy. (3)
UI 429. Environmental Ethics. (3)

EXCEPTIONAL CHILD (EX)

EX 200. Introduction to Exceptional Children. Investigates historical/legal development, library and internet resources, general characteristics and educational needs of categories served, and teacher certification requirements. (3)

EX 273 Introduction to Mild/Moderate Cross-Categorical. An overview of the field of cross-categorical special education, and K-12 students who are placed in cross-categorical settings. Pre- or corequisite: EX 200 or consent of instructor. (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. Corequisite: 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)


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 312 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. Corequisite: Block III. (3)

EX 317. Assessment and Techniques of the Exceptional Child. Introduction/application of assessment/evaluation processes used in Missouri schools for identification of pupils with disabilities and application of information in development of Individualized Education Program. Corequisite: EX 309. (3)

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. Corequisite Block IIIA. (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 460. Alternate Student Teaching. Professional practicum requiring demonstration of Teacher Work Sample Implementation in school settings. Under the direction of a cooperating teacher. (8)

EX 471. Student Teaching I: Cross Categorical. Professional practicum requiring demonstration of implementation of the Teacher Work Sample elements in school setting. Under the direction of cooperating teacher and university supervisor. Prerequisite: In good standing in Teacher Education Program. (6)

EX 472. Student Teaching with the Mild/Moderate Cross-Categorical. Intensive professional practicum under the direction of cooperating teacher and university supervisor. Prerequisite: In good standing in Teacher Education Program. (6)

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 499. During Block IV Student Teaching, majors pursuing BS in Education - Elementary, Early Childhood, or Special Education - must successfully complete a Teacher Work Sample. (0)

FAMILY ECONOMICS AND MANAGEMENT (FE)

FE 200 Family Resource Management. Analysis and evaluation of resource management concepts within family systems. Emphasis is on management of economic and human resources. (University Studies course) (3)

FE 313 Family Resource Management Practicum. 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)
FI 362. Advanced Financial Management. 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. 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. Prerequisites: FI 361 with a minimum grade of 'C'; QM 257 with a minimum grade of 'C'. (3)

FI 471. Internship in Finance. A supervised learning and work experience in finance which enhances finance courses taken on campus. On demand. Prerequisites: junior standing; 9 hours of Finance courses; cumulative GPA of 2.75; GPA of 2.75 in Finance. (1)

FI 473. Internship in Finance. A supervised learning and work experience in finance which enhances finance courses taken on campus. On demand. Prerequisites: junior standing; 9 hours of Finance courses; cumulative GPA of 2.75; GPA of 2.75 in Finance. (3)

FI 475. Futures Seminar. Fundamentals, strategies, and applications of agricultural and financial futures contracts and markets. Prerequisites: Senior standing and FI 368 or AG 447 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 540. 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)

FI 568. 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)

FOOD AND NUTRITION (FN)

FN 150. Introduction to Hospitality Management. An introduction to management opportunities in the hospitality industry. A realistic overview of career requirements, potentials, and constraints. (3)

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)

FN 235. Nutrition for Health. This course examines, analyzes, and evaluates the relationships between the science of nutrition, health, and well-being. (University Studies course) (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)

FN 260. Sanitation in the Food Service and Hospitality Industry. 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 consent of instructor. (3)

FN 304. Food, Beverage and Labor Cost Controls. Principles and procedures in food and beverage procurement and labor control systems. Prerequisites: FN 150; FN 205; 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)

**FN 350. Culinary Theory and Practice.** Advanced principles of culinary arts and practice including culinary principles, standards of quality, preparation technique, methods and processes. Prerequisites: FN 205; FN 304. (3)

**FN 355. Lifespan Nutrition.** A study of nutrition principles related to various stages in the life cycle. Prerequisites: FN 235; FN 260; FN 416; 75 hours completed; 2.5 cumulative GPA and 2.5 GPA in major. (4)

**FN 370. Nutrition Assessment.** 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 390. Hospitality Sales and Marketing.** The importance of a formalized sales and marketing program in successful hotel, restaurant and tourism operations. Prerequisites: FN 150; FN 270; MK 301. (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 425. Health, Nutrition and Safety of the Young Child.** Essentials of health, nutrition and safety as applied to the well-being of the child from conception through age eight. (3)

**FN 473. Internship in the Foodservice Environment.** A career-related work experience in Hospitality Management which focuses on skill development and application of academic principles and concepts. Prerequisites: 75 hours completed; 2.5 cumulative GPA; 18 hours completed in hospitality management courses with a 2.5 GPA; or consent of program director and department chairperson. (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 235; FN 260; FN 416; 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 355; BS 114/014; 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 502; 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. Yield/Revenue Management for Hospitality Industry.** Principles of revenue maximization and factors impacting revenue management decisions such as room sales, food and beverage activity and special events. Prerequisites: FN 270; FN 304; or consent of instructor. (3)

**FN 520. Nutrition in the Later Years.** A study of the nutritional needs of the mature adult population in light of the physiological, psychological and socioeconomic changes of aging. (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. (4)

**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: 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 311. Survey of French, German and Spanish Literature.** Comparative survey of French, German and Spanish literature with an emphasis on masterpieces of various literary movements. Prerequisite: FR 220, GN 220, SN 220 or 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 hours lab. 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 though class discussions in French. Prerequisite: FR 200 or equivalent. (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 currently 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 II. From 1800 to present. 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 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 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 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 and Anthropology; a level of proficiency in French appropriate to the professional setting as evaluated by the departmental assessment procedures. (3) See University Studies (UI) listings for description of: UI 362. Contemporary French Culture. (3)

GEOGRAPHY (GG)

GG 150. Peoples and Places of the World. 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)

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)

GG 181. Cultural Heritage Travel: An Introduction. 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 320. Political Geography. Analysis of ways in which man organizes space for political purpose. Case studies of interactions of geographical areas and political processes. (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 307. Economic Geography. (3)

UI 308. Cultural and Physical Landscapes of the World: A Geographical Analysis. (3)

UI 401. American Cultural Landscapes. (3)

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. 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 305. Environmental Geoscience. Natural earth systems and cycles, natural hazards, mineral and energy resources, waste disposal, and environmental planning. Prerequisite: GO 110. (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 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 110; GO 220; IS 175; MA 133; MA 134. (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 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 458. Environmental Geochemistry. Application of chemical principles to the study of near surface environments. Prerequisite: CH 186. (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 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)
GERMAN (GN)

**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 or equivalent. (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) Study

**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: GN220 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

**GO 555. (Cross-listed as AO 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)
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 and Anthropology. (3)

**HEALTH MANAGEMENT (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 PE, RC, SM 116). Special Topics in Health, Human Performance & Recreation.** 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.** Individualized approach to fitness/wellness concepts and their application. Emphasis on experiencing a directed exercise program. Two hours lecture, one hour lab. (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.** Advanced study of prevention techniques, assessment and rehabilitation procedures, legal issues, and general medical conditions of the physically active. Prerequisite: Admission to ATEP; HL 251; HL 280. (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 282; HL 321; PH 106. (4)

**HL 280. Basic Skills in Athletic Training.** The study and observation of the treatment of athletic injuries under the guidance of physicians and/or National Athletic Trainers' Association certified athletic trainers. Prerequisites: Health Management major or permission of instructor. (1)

**HL 281. Practicum in Athletic Training I.** Practical skills in emergency management, equipment fitting, legal responsibilities, and basic assessment techniques. Prerequisite: Admission to ATEP; HL251; HL280; Co-requisite: HL263. (1)

**HL 282. Practicum in Athletic Training II.** Assessment of emergency medical situations, orthopedic injuries of the lower extremity, and the thoracic and lumbar spine. Prerequisite: HL263; HL281 Co-requisite HL321. (1)

**HL 300. (Cross-listed as RC 300). 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. (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.** The study of illegal, social, and legal drugs with special attention to the physically active population. Discussion of drug prevention programs with an emphasis on health behavior theories. (3)

**HL 316 (Cross-listed as RC, SM 316). Special Topics in Health, Human Performance & Recreation.** 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 assessment of emergency medical situations, orthopedic injuries of the lower extremity, abdomen/thorax, and the thoracic and lumbar spine. Prerequisites: HL 263, HL 281; Co-requisite: HL 282. (3)

**HL 322. Advanced Injury Assessment II.** Study of athletic injury assessment principles and techniques at the advanced level. Specific areas include assessment of
emergency medical conditions, head injuries, and orthopedic injuries of the cervical spine and upper extremity. Prerequisite: HL 282; HL 321; Co-requisite: HL 383. (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)

**HL 345. Resistance Training Principles and Practices.** The scientific principles of resistance training and strength/power with emphasis on applications for improving health and performance. (3)

**HL 346. Weight Management Principles and Practices.** The scientific principles of weight management with an emphasis on lifestyle modification for improving health. (3)

**HL 361-363. Independent Study in Health, Human Performance & Recreation.** Directed individual study of special interest areas in health and leisure. (1-3)

**HL 383. Practicum in Athletic Training III.** Assessment of emergency medical situations, head injuries, and orthopedic injuries of the cervical spine and upper extremity. Prerequisite: HL 282; HL 321; Co-requisite: HL 322. (1)

**HL 384. Practicum in Athletic Training IV.** Application of rehabilitation techniques used to safely return an athlete/patient to their sport activity following injury. Prerequisite: HL 265; HL 322; HL 383; Co-requisite: HL 444. (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 a physically active individual to their sport/activity following injury. Prerequisite: HL 265; HL 322; HL 383; Co-requisite: HL 384. (3)

**HL 460. Exercise Leadership.** Exercise Science theory applied to conditioning programs. Emphasis on exercise conditioning program design for apparently healthy and special populations. 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, pre-season physical examination considerations. Prerequisites: HL 384; HL 444. (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. Prerequisites: HL 384; HL 444. (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)

**HL 510. Health Concerns of Aging.** 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; two hours lab. Prerequisites: HL 431 or consent of instructor. (3)

**See University Studies (UI) listings for descriptions of:**
UI 354. Lifestyle Enhancement. (3)
UI 412. American Health Care. (3)

**HISTORIC PRESERVATION (HP)**

**HP 007. Professional Portfolio Review.** Historic Preservation majors are required to have a professional portfolio review after completion of the Historic Preservation major 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. 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. Prerequisite: HP 100 or consent of instructor. (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)

HP 420. Historic Site Administration. Study of the problems, techniques and administration of historic sites. Prerequisite: HP 100 or consent of instructor. (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. Prerequisite: HP 405 or HP 410 or HP 420; or consent of instructor. (3)

HP 500-502. Historic Preservation Internship I, II, III. 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 552. Historic Preservation Field School. Intensive field experience in documenting and preserving the built environment and the historic landscape. (3)

HP 585. History of American Architecture. The study of architectural history as material evidence of America's social, cultural, economic, and technological development. Prerequisite: HP 200 or consent of instructor. (3)

HP 588. Legal and Economic Principles of Historic Preservation. A study of the legal and economic aspects in the procedures for locating, recording and preserving America's historical, architectural and cultural resources. Prerequisite: HP 585 or consent of instructor. (3)

HISTORY, EUROPEAN (EH)

EH 362. Medieval History 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)

EH 364. Early Modern Europe. Survey of political, social, economic, cultural and intellectual developments in Europe from 1450-1815. (3)

EH 366. Age of the French Revolution and Napoleon: 1700-1815. A study of Eighteenth Century European history with a special emphasis on the impact of the French Revolution and Napoleon. (3)

EH 370. Europe in the Twentieth Century, 1914-Present. Two world wars and their effects, the rise of totalitarian states, Europe's changed position in the world, and efforts at European cooperation. (3)

EH 412. Age of Rome. History of Rome: Roman Republic and Empire. (3)

EH 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)

EH 416. Old England. Survey of the development of English political, social and economic institutions to 1688. (3)

EH 418. Modern Britain. Survey of British history and institutions from 1689 to the contemporary era. (3)

EH 514. History of Modern France. Survey of France from 1789 to the present. (3)

EH 516. History of Modern Germany. The rise of the Prussian state. Germany in the Nineteenth and Twentieth Centuries. (3)

EH 518. History of Soviet Russia. The 1917 revolution and analysis of the history and policies of the U.S.S.R. (3)

EH 527. Intellectual History of Europe. 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 survey of the development of African civilizations from ancient times to the present. (University Studies course) (3)

GH 110. Chinese Civilization. A survey of the history of Chinese civilization from its inception in ancient times to the contemporary period. (University Studies course) (3)

GH 115. Ancient Greece and Rome. 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 cul-
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GH 301-303</td>
<td>Independent Study</td>
<td>Directed individual study of special topics in general history. (1-3)</td>
</tr>
<tr>
<td>GH 315</td>
<td>Historiography</td>
<td>Growth and development of historical writing, its methods and interpretations. (3)</td>
</tr>
<tr>
<td>GH 415</td>
<td>Senior Seminar in History</td>
<td>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)</td>
</tr>
<tr>
<td>GH 520</td>
<td>Techniques of Oral History</td>
<td>Study and practice in designing and carrying out oral history projects. (3)</td>
</tr>
<tr>
<td>US 105</td>
<td>American History I</td>
<td>A study of the history of the United States from the colonial beginnings to 1877. (University Studies course) (3)</td>
</tr>
<tr>
<td>US 107</td>
<td>American History II</td>
<td>A study of the history of the United States from 1877 to the present. (University Studies course) (3)</td>
</tr>
<tr>
<td>US 200</td>
<td>Topics in American History</td>
<td>Study of selected topics in American history. (1)</td>
</tr>
<tr>
<td>US 210</td>
<td>Women in American History</td>
<td>Study of American history from colonial times to present, from perspective of women. (3)</td>
</tr>
<tr>
<td>US 220</td>
<td>History of American Folklore</td>
<td>Study of the history, development, sources and traditions of American folklore. (3)</td>
</tr>
<tr>
<td>US 225</td>
<td>The History of the Vietnam War</td>
<td>A study of the Vietnam War, with emphasis upon American involvement, 1945-75. (3)</td>
</tr>
<tr>
<td>US 302</td>
<td>(US 201) History of Missouri</td>
<td>History of the state from earliest explorations to present. (3)</td>
</tr>
<tr>
<td>US 350</td>
<td>Colonial America</td>
<td>Colonial period through the American Revolution. (3)</td>
</tr>
<tr>
<td>US 352</td>
<td>New American Republic 1789-1840</td>
<td>Course examines significant political, social, and cultural developments in American civilization during the formative period from the ratification of the Constitution to the antebellum era and conflicting interpretations of those developments. (3)</td>
</tr>
<tr>
<td>US 354</td>
<td>Civil War Era 1840-1896</td>
<td>A study of America as influenced by the Civil War, expansion, and imperialists of the period 1840-1896. (3)</td>
</tr>
<tr>
<td>US 356</td>
<td>Progressive America</td>
<td>Economic, diplomatic, political, and cultural developments from 1877 to 1920. (3)</td>
</tr>
<tr>
<td>US 358</td>
<td>Modern America, 1945-Present</td>
<td>An analysis of American domestic and foreign policy, focusing on the role of the President since 1950. (3)</td>
</tr>
<tr>
<td>US 400</td>
<td>Topics in American History</td>
<td>Study of selected topics in American history. (1-3)</td>
</tr>
<tr>
<td>US 420</td>
<td>African American Slavery</td>
<td>A study of Africans in America, both slave and free, from 1619 to 1865. (3)</td>
</tr>
<tr>
<td>US 430</td>
<td>American South</td>
<td>Survey of the economic, intellectual, political, and social development of the South from the colonial period to the present. (3)</td>
</tr>
<tr>
<td>US 507</td>
<td>Civil War Reconstruction</td>
<td>Study of the social, economic, military and political aspects of the Civil War and Reconstruction periods of American history. (3)</td>
</tr>
<tr>
<td>US 509</td>
<td>American West</td>
<td>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)</td>
</tr>
<tr>
<td>US 511</td>
<td>American Diplomacy</td>
<td>Diplomatic affairs and foreign policy from the American Revolution to date. (3)</td>
</tr>
<tr>
<td>US 520</td>
<td>History of American Ideas</td>
<td>Examination of patterns in American thought from the colonial period to the present. (3)</td>
</tr>
<tr>
<td>US 522</td>
<td>American Presidential History</td>
<td>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)</td>
</tr>
<tr>
<td>US 525</td>
<td>American Urban History</td>
<td>Study of the origins, growth, and historical influence of American cities from the colonial town to the modern metropolis. (3)</td>
</tr>
<tr>
<td>US 528</td>
<td>American Economic History</td>
<td>Study of the economic development of the U.S. in its historical perspective. (3)</td>
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<tr>
<td>US 529</td>
<td>History of American Labor</td>
<td>Evolution of the American Labor movement to present. (3)</td>
</tr>
<tr>
<td>US 531</td>
<td>American Military History</td>
<td>Study of changing relationships between civil/military authority of warfare and its impact upon democratic institutions. (3)</td>
</tr>
<tr>
<td>WH 101</td>
<td>Early European Civilization</td>
<td>Survey of the history of Early European Civilization from its ancient beginnings to the post-Columbian era. (University Studies course) (3)</td>
</tr>
<tr>
<td>WH 103</td>
<td>Modern European Civilization</td>
<td>A survey of the history of European civilization from its inception in the Middle Ages to the contemporary period. (University Studies course) (3)</td>
</tr>
<tr>
<td>WH 200</td>
<td>Topics in World History</td>
<td>Study of selected topics in world history. (1)</td>
</tr>
<tr>
<td>WH 400</td>
<td>Topics in World History</td>
<td>Study of selected topics in world history. (1-3)</td>
</tr>
</tbody>
</table>
WH 410. Age of Greece. Survey of ancient Greece from the Bronze Age through the period of Alexander the Great. (3)
WH 424. History of South America. 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 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 418. The European Mind. (3)
UI 446. Civil Rights Movement. (3)
UI 448. American Revolutionary Experience. (3)
UI 503. Age of Alexander the Great. (3)

HORTICULTURE (HO)
HO 130. Introduction to Horticulture. The identification, nomenclature, classification, cultural requirements and landscape uses of ornamental trees, shrubs, vines, and herbaceous plants. Two lectures; one two-hour lab. (3)
HO 230. Advanced Horticulture. The identification, nomenclature, classification, cultural requirements and landscape uses of ornamental trees, shrubs, vines, and herbaceous plants. An extension of HO 130. Two lectures; one two-hour lab. Prerequisite: HO 130. (3)
HO 330. Landscape Design and Maintenance. Theory of landscape design. The selection and placement of plants and other structural objects in the design of landscapes 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 342. Fruit and Vegetable Production. Fundamental principles involved in the production of fruit and vegetable crops for wholesale or retail markets. Vegetable and fruit production in home gardens also studied. Establishment, maintenance and marketing of commercial fruit crops adapted to this area. Home garden fruit production. Two lectures; two-hour lab. Prerequisite: HO 130. (3)
HO 350. Greenhouse Management. Location, types, covering, environmental controls, costs, maintenance, and cultural practices. Three lectures; two-hour lab. (4)
HO 355. Interior Plantscaping. Identification, selection, installation, maintenance and management of plants used in interior design. Two lectures; two-hour lab. (3)
HO 430. Turfgrass Management. Establishing and maintaining plantings on athletic fields, golf courses, parks, residential and commercial grounds. Two lectures; two-hour lab. Prerequisite: AO 120/020 or BO 200. (3)
HO 431. Urban Forestry. Introduction to management of tree populations in cities. Including ownership patterns, property rights, tree species composition, economic and social benefits. Prerequisite: HO 130. (3)
HO 464. Gold and Athletic Field Management. Provides students with an understanding of the cultural management of turfgrasses that are utilized on golf courses and athletic fields. Two lectures and two-hour lab. Prerequisite: HO 230. (3)
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. Prerequisite: HO 330. (3)

HOUSING AND INTERIOR DESIGN (HI)
HI 104. Housing and Interior Design. The study of techniques, processes, materials and basic philosophies used by interior designers in the design of residential spaces. (3)
HI 214. Display Design. Study of the components involved in the art of visual presentation. Students will
HH 224. Design Illustration. Graphic presentation techniques for interior design emphasizing architectural illustration and perspective drawing. Introduction to and exploration of markers and colored pencils on typical illustration surfaces. One 1-hour lecture and two 2-hour studios. Prerequisite: TG 100 or TG 120. (3)

HH 230. Residential Interior Design I. Introduction to the mechanics of spatial analysis and design utilizing the design process. Graphic/verbal presentation of residential projects addressing work, social and private spaces. Solutions require product selection/support documentation. Two 1-hour lectures and one 2-hour studio. Prerequisites: CT 207; HI 220; HI 224; TG 100 or TG 120; or consent of instructor. (3)


HH 400. Architectural Rendering for Interior Design. Exploration of advanced perspective drawing and rendering topics, specialty illustration media, and techniques used for presentation of design concepts. One 1-hour lecture and two 2-hour studios. Prerequisites: HI 224; TG 100 or TG 120. (3)

HH 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)

HH 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)

HH 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)

HH 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)

HH 440. 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)

HH 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 226. (3)

HH 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)

HH 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)

HH 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)

HE 525. Evaluating Research in Human Services. Emphasizes understanding and evaluating research stud-
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)

IE 185. Fundamentals of Aeronautical Knowledge. 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)

IE 193. Principles and Practices of Teaching Industrial Subjects. Techniques of teaching vocational subjects and processes used to teach skills, including demonstrations, lectures, instruction sheets, and related audiovisual materials. (3)


IE 195. Teaching Adults in Career and 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 and 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)

IE 593. Principles and Practices of Technical Subjects. 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)

IM 311. Statistical Process Control. Data acquisition and analysis using quantitative techniques (sampling, proba-
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, methods, menus and dialog boxes. Other topics as time permits. This course includes a lab component. Two hours lecture and two hours laboratory. Prerequisite: MA 134 or equivalent Logical Systems course with minimum grade of 'C' or high school equivalent. (3)

IS 175. Information Systems I. Concepts and applications of information systems for users and prospective developers. Topics include the role of information systems in organizations, concepts and applications of spreadsheets, concepts and applications of databases, and an introduction to the Internet and to a markup language. Prerequisite: MA 134 or equivalent Logical Systems course with minimum grade of 'C' or high school equivalent. (3)

IS 275. Information Systems II. Continuation of Information Systems I with emphasis on the programming environments in spreadsheets, database, and Web page development and on the application of information systems concepts and their role in organizations. Prerequisites: IS 175 and MA 134 or equivalent Logical Systems course with minimum grades of ‘C’. (3)

IS 330. Visual Basic Programming II. A continuation of IS 130. Topics include database access, classes, internet applications, error handling, and active X controls. Prerequisites: IS 130; IS 175 or MI 375; with minimum grades of ‘C’. (3)

IS 445. Application Systems Analysis and Design. 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’. Not available to Computer Science or Computer Information Systems majors. (3)

IS 481-483. Problems in Information Systems. (1-3)

IS 575. Information Technology Management. Covers strategic frameworks for IT deployment, trends in technology platforms and application portfolios, and tactics for providing reliable systems and efficient support services. Prerequisites: IS 275 with 'C' or better or upper division status; consent of instructor. (3)

INTERNATIONAL EDUCATION (IN)

IN 510. Introduction to Comparative Education. An examination of schooling in different countries through contextual frameworks: philosophical and ideological; structural frameworks: social, cultural, economic, and political; and operational frameworks: pedagogical. (3)

IN 520. Issues in Comparative and International Education. A cross-national examination of various historical, political, economic, cultural, and social issues affecting education in selected countries throughout the world. Prerequisite: IN 510 or graduate standing. (3)

IN 550. International Education Internship. Intensive professional internship experience requiring demonstration of culturally appropriate intercultural education competencies. Prerequisites: SE 275; UI 347; IN 510; IN 520; or graduate standing. (3)
JAPANESE (JN)


JN 102. 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. Prerequisite: JN 101. (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 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, analyzing, 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, contents and literary types. Prerequisite: EN 100. (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. (3)

LI 270. American Literature I. Beginnings-1860. Important works of American writers. EN 100. (3)

LI 271. American Literature II, 1860-present. Important works of American writers. Prerequisite: EN 100. (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. (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. (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. (1-3)

LI 385 (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. Prerequisite: EN 201. (3)

LI 421. Cross-Cultural American Voices. 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 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 500. Chaucer. Chief works of Chaucer and his time. Prerequisites: 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, Warren, Welty and Wright. Prerequisites: EN 140; any 200-level literature course. (3)

LI 568. Nineteenth Century American Novel. Beginnings to 1890. Includes Cooper, Hawthorne, Twain, Howells, and James. 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. Prerequisites: EN 140; any 200-level literature course. (3)

LI 571. Contemporary American Poetry. 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 junc- tures created by American cyberpunk fiction. Examines relationships between technology and power, technology and socially-constructed identity, and technology and Enlightenment theory, while suggesting possibilities 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 Contemporary 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 582. Topics in Literature. Directed study of special topics in literature. Prerequisites: 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/cultural 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 326. Australian Culture. (3)
UI 341. Victorian Studies. (3)
UI 332. Images of Women in Literature. (3)
UI 431. Shakespeare's Tragedies & the Human Condition. (3)
UI 432. Shakespeare's History Plays & Comedies and the Human Condition. (3)
UI 435. Literature of Sport. (3)

MANAGEMENT (MG)

MG 252. Business Communication. 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 301. Principles of Management. This course will focus on the process of planning, organizing, leading and controlling the use of resources to accomplish performance goals. Prerequisite: Junior standing. (3)

MG 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 356. Human Resource Management I. 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 362. Management Skills. 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 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)

MG 456. Topics in Human Resource Management. 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. Topics in Organizational Behavior. Readings/case analyses/seminar course providing in depth study of contemporary topics in organizational behavior and implications for managerial action. Prerequisites: MG 301; MG 362 (or corequisite) with a minimum grade of 'C'. (3)

MG 462. Organization Theory and Design. Organizational purpose, design, structure, bureaucracy, power
and politics; impact of external environmental and internal organizational factors on structure and design. Prerequisite: MG 301 with a minimum grade of 'C'. (3)

MG 470. Leadership in Management. An investigation of leadership in management and the behavior associated with various leadership styles. Prerequisite: MG 301 with a minimum grade of 'C'. (3)

MG 471-473. Internship in Management. Planned work/study designed to integrate cooperative practical real-world experience with academic preparation in the field of management. Prerequisites: 75 hours completed; 9 hours of MG prefix courses; overall GPA of 2.5; 2.75 GPA in management major courses; approval of internship agreement. Credit/no credit. (1-3)

MG 481-483. Problems in Management. Directed study of special problems in management through seminars, workshops, forums, etc. (1-3)

MG 491-493. Independent Study in Management. A study of an approved specific problem in management preferably one growing out of previous coursework or from business experience. (1-3)

MG 548. Project Management. Project organization structure and staffing; conflict management; project planning and control; pricing and estimating; earned value analysis, proposal preparation; project information systems; international project management. Prerequisite: MG 301 with a minimum grade of 'C'. (3)

MG 550. Improving Team Performance. The course will investigate team performance and the skills and techniques required to improve team performance. Prerequisite: MG 301 with a minimum grade of 'C'. (3)

MG 560. International Management. Economic, cultural, political, and environmental variables of international management. Includes trends, organization for international operations, international management of human resources. Prerequisite: MG 301 with a minimum grade of 'C'. (3)

See University Studies (UI) listings for description of: UI 301. Managerial Communication Process. (3)

MANAGEMENT INFORMATION SYSTEMS (MI)

MI 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 with minimum grade of 'C'. Prerequisites: Junior standing; AD 101 with minimum grade of 'C'. (3)

MI 410. Business Database Systems. Development of database applications for business. Topics include concepts, entity relationship modeling, normalization of database tables, query languages, database administration, relational and non-relational modes, distributed architectures. Prerequisite: MI 375 with a minimum grade of 'C'. (3)

MI 420. Telecommunication Management. This is an introductory course on the topic of data communications and networking concepts, components, architectures, protocols, and standards used for transmitting and receiving information within a network. Prerequisite: IS 130 and MI 375 with a minimum grade of 'C'. (3)

MI 430. Knowledge-Based Decision Support Systems for Management. 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. 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)

MI 440. Web Design for Electronic Commerce. Course focus is on developing a World Wide Web presence using Web-centered technologies. Topics include XHTML, security, scripting languages, database connectivity. Prerequisite: IS 130 and MI 375 with a minimum grade of 'C'. (3)

MI 445. Systems 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 or MI 410 with a minimum grade of 'C'. (3)

MI 464. Systems Implementation and Practice. 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 4710-473. Internship in Management Information Systems. Supervised learning and work experience designed to integrate cooperative practical real-world experience with academic preparation in the field of Management Information Systems. Prerequisites: 75 hours completed with a minimum cumulative GPA of 2.75; 9 hours of MI prefix courses with a GPA of 3.0 in MIS courses; approval of internship coordinator. Credit/no credit. (1-3)

MI 575. Information Technology Management. Major focus is business alignment with technology as pertaining to strategic frameworks for IT deployment in an organization. The course is of applied nature, with dis-
MANUFACTURING ENGINEERING TECHNOLOGY (MN)

MN 170. Engineering Materials and Testing. 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 metal forming processes, tolerance and finish processes, computer numerical control (CNC) programming and CNC milling machine operation, electrical-discharge machine (EDM), and coordinate measuring machine (CMM). Prerequisites: 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. (University Studies course) (3)

MN 260. Technical Computer Programming Applications. This course will focus on high level programming languages and their applications in industrial technology. Prerequisite: MA 134. (3)

MN 319. Statics & Strengths of Materials. 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, and PH 120; or consent of instructor. (3)

MN 350. Machine Tool Processes. Lectures and laboratory experiences in CNC machine tool fundamentals and metrology. Prerequisite: MN 204; MA 134; or consent of instructor. (3)

MN 354. Computer Aided Manufacturing (CAM). 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)

MN 356. Robotic Fundamentals. 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 3810. 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 or MN 356; senior standing. (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. (1)

See University Studies (UI) listings for description of:
UI 319. Technology & Society. (3)

UI 410. Manufacturing Research in a Global Society. (3)

MARKETING (MK)

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 351. Sports Marketing. This course will introduce students to the unique nature of sports marketing at both the professional and amateur levels. Prerequisite: MK 301. (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 with minimum grade of 'C.' (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. (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 decision-making 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. Global Logistics. Study of logistics functions that involve sourcing, production, distribution, and marketing of products and services in the global marketplace. 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)

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 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. Prerequisites: MA 155 and MC 101 with a grade of 'C' or better; Junior standing. (3)

MC 310. Advertising Communication Strategies. 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; 45 hours completed if Advertising option. (3)

MC 312. Advertising Creative Concepts. 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 Social Issues and Responsibilities. Study of the complex relationship between advertising content and placement with other facets of society. Prerequisites: MC 201 and MC 312 with a grade of 'C' or better; Junior standing. (3)
MC 316. Advertising Media. Study of advertising placement in media with emphasis on comparison, rating, target audiences, cost efficiency, and effectiveness. Prerequisites: MC 201 and MC 312 with a grade of 'C' or better; admission to the Mass Communication degree program; 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 non-fiction 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 330. Public Relations Principles. An introduction to the modern public relations function emphasizing its tools, processes, publics, communication methods and professional ethics. Prerequisites: MC 201 with a grade of 'C' or better; Junior standing; 45 hours completed if Public Relations option. (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; admission to the Mass Communication degree program; Junior standing. (3)

MC 340. Basic Radio. Historical and contemporary radio broadcasting as technology and business, including its relationship to government and society. Prerequisites: MC 140 with a grade of 'C' or better (can be corequisite); Junior standing or 45 hours completed if Radio option. (2)

MC 342. Radio Programming Strategies. 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)

MC 344. Audio Production and Performance. 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)

MC 346. Electronic News Gathering. 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; 45 hours completed if Video option. (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 366. 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; 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; junior standing. (3)

MC 402. Seminar in Mass Communication. 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; admission to Mass Communication program; senior standing. (1)

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 316 with a grade of 'C' or better; admission to Mass Communication program; senior standing. (3)

MC 425. Public Affairs Reporting. 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 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 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. Prerequi-
MC 430. Strategic Communication Issues. Course is designed to provide in-depth experiential learning in specific career fields in communication and specific career skills areas within these fields. May be repeated for up to 9 hours of credit. Prerequisites: Senior standing; admission to the Mass Communication program. (1-3)

MC 434. Case Studies in Public Relations. 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 and MC 346 with a grade of ‘C’ or better; admission to the Mass Communication degree program; 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 366 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 non-broadcast delivery systems. Prerequisites: MC 352 with a grade of ‘C’ or better; admission to the Mass Communication degree program; 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; admission to the Mass Communication degree program; Senior standing. (3)

MC 483-485. Independent Study in Mass Communication. 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; admission to the Mass Communication degree program; 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 cumulative GPA; 2.75 Mass Communication major GPA; consent of department chairperson; admission to the Mass Communication degree program; senior standing. (3)

MC 496. Practicum in Mass Communication. A course devoted to practical media experiences. Prerequisites: 12 hours in Mass Communication beyond core; grade of ‘C’ or better in all major courses completed; consent of department chairperson; senior standing; admission to the Mass Communication degree program; 2.5 cumulative and Mass Communication major GPA. (3)

See University Studies (UI) listing for description of: UI 382 History and Philosophy of American Mass Media (3)

MA 090. Developmental Algebra. Operations and variables, linear equations and inequalities, exponents, polynomials, factoring, rational expression, linear equations and their graphs. For students with ACT Math subscore of 17 or below. See graduation requirements (p. 21). (3)

MA 095. Intermediate Algebra. 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 grade of ‘C’ or higher, or ACT Math subscore of 18-20, or ACT Math subscore of 17 or below with MA 090 placement score of 11 or higher. See graduation requirements (p. 21). (3)

MA 118. Mathematics I. Introduction to problem solving strategies, sets, whole numbers and their operations and properties, number theory, numeration systems, computer usage, and the historical significance and applications of these topics in the K-9 mathematics curriculum. Prerequisites: MA 095 with a grade of ‘C’ or higher, or ACT Math subscore of 18-20 with MA 095 placement score of 14 or higher, or ACT Math subscore of 21 or higher. Declared education major in elementary, early childhood, exceptional child, middle school, or secondary mathematics or human environmental studies: child development option major. (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 with a grade of ‘C’ or higher, or ACT Math subscore of 18-20 with MA 095 placement score of 14 or higher, or ACT Math subscore of 21 or higher. (University Studies course) (3)

MA 133. Plane Trigonometry. Circular functions, right and oblique triangles, identities and equations, complex numbers. Prerequisites: MA 095 with a grade of ‘C’ or higher, or ACT Math subscore of 18-20 with MA 095 placement score of 14 or higher, or ACT Math subscore of 21 or higher. (3)

MA 134. College Algebra. Functions and graphs, polynomial and rational functions, exponential and logarithmic functions, systems of equations and inequalities, binomial theorem. Prerequisite: MA 095 with a grade of ‘C’ or higher, or ACT Math subscore of 18-20
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with MA 095 placement score of 14 or higher, or ACT Math subscore of 21 or higher. (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 with a grade of 'C' or higher, or ACT Math subscore of 18-20 with MA 095 placement score of 14 or higher, or ACT Math subscore of 21 or higher. (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. Prerequisite: MA 134 with a grade of 'C' or higher. (3)

MA 139. Applied Calculus. For students in business, social or life sciences. Functions, limits, differentiation and integration of elementary functions. Emphasizes applications. Prerequisites: MA 134 with a grade of 'C' or higher. (3)

MA 140. Analytic Geometry and Calculus I. Analytic geometry, functions, limits, derivatives and integrals of algebraic, trigonometric, and exponential functions with applications. Prerequisites: MA 133 with a grade of 'C' or higher and MA 134 with a grade of 'C' or higher, or MA 135 with a grade of 'C' or higher. (5)

MA 145. Analytic Geometry and Calculus II. Differentiation and integration of transcendental functions, series, conic sections, polar coordinates. Prerequisite: MA 140 with a grade of 'C' or higher. (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 with a grade of 'C' or higher, or ACT Math subscore of 18-20 with MA 095 placement score of 14 or higher, or ACT Math subscore of 21 or higher. (University Studies Course) (3)

MA 218. Middle School Math. Selected mathematics topics for teachers of middle school mathematics. Prerequisite: MA 134 with a grade of 'C' or higher and a Secondary and a Middle Education major. (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 grade of 'C' or higher. (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 grade of 'C' or higher. (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 grade of 'C' or higher. (3)

MA 245. Vector Calculus. Vectors, vector functions, vector geometry, vector analysis. Prerequisite: MA 240 with a grade of 'C' or higher. (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 a grade of 'C' or higher. (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 grade of 'C' or higher. (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 grade of 'C' or higher. (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 grade of 'C' or higher. (3)

MA 340. Concepts of Geometry. Axiomatic geometry, Menelaus' and Ceva's theorems, harmonic elements and cross ratio, Desargues' theorem, inversion. Prerequisite: MA 139 or MA 140 with a grade of 'C' or higher. (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 grade of 'C' or higher. (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 grade of 'C' or higher. (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 grade of 'C' or higher. (3)

MA 423. Statistical Analysis for Forensic Science. 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 with a grade of 'C' or higher, or consent of instructor. (3)

MA 440-441. Independent Study. Study topics in mathematics not covered in other courses. Prerequisite: MA 240 with a grade of 'C' or higher. (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 grade of 'C' or higher. (3)

MA 445. Modern Algebra. Introduction to the study of sets, rings, fields, groups, and vector spaces. Prerequisite: MA 250 with a grade of 'C' or higher. (3)

MA 448. Mathematics Seminar. Prerequisite: MA 240 with a grade of 'C' or higher. (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)

MA 464. Mathematical Cryptography. Course will cover basic concepts of secure communication. Classical cryptography and cryptanalysis, 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 grade of 'C' or higher. (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 or Corequisite: 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)

MA 540. Projective Geometry. 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)

MA 544. Numerical Analysis. 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 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 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. Prerequisite: 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
**MUSIC (ME, MH, MM, MP, MU)**

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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)

**MT 305. Blood Bank-Immunohematology.** 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 one-half hour in length, to be presented in final semester of study. Music Education majors only. Prerequisite: 400 level applied music and instructor approval. (0)

**ME 222. Principles of Teaching Music.** An introductory course for prospective music teachers focusing on the 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 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)

**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 300. Marching Band Techniques I.** History and function of a marching band program as well as the practical 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)

**ME 369. Elementary Music Methods.** Methods and materials for teaching general music classes in elementary schools. (3)

**ME 371. Techniques of Teaching General Music: Elementary and Secondary.** Methods and materials for teaching elementary and secondary general music classes. Prerequisite: Music Education Block II. Corequisites: ME 270; ME 271; ME 272. (4)

**ME 372. Instrumental Techniques: Elementary and Secondary.** 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)
ME 373. Choral Techniques: Elementary and Secondary. Total program development: auditions, seating, adolescent voices, organization, management, literature selection, rehearsal techniques, style interpretation, concert programming and preparation. 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)

ME 450. Synthesis of Music Education Methods. Focused readings and class activities which challenge students to relate specific course material to overall preparation as music educators. Prerequisite: Music Education Block III. (2)

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. Offered on demand. (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 aural skills. For all music majors. (0)

MM 002. Exit level proficiency examination in 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 107. (Cross-listed as TH 107). Theory Skills and Analysis for Music Theatre. Development of analytical skills in music theatre repertoire. Two lectures; one lab. Prerequisites: MM 101; MM 105. (3)

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)

MP 100-599. Private Music Lessons. Private music lessons are available in the following areas:

- Voice
- Piano
- Organ
- Violin
- Viola
- Cello
- String Bass
- Flute
- Clarinet
- Saxophone
- Oboe
- Bassoon
- Trumpet
- Trombone
- Euphonium
- Tuba
- Percussion
- Guitar
- Composition
- Harpsichord

Details are available in the Music Department or the Registrar's Office. Prerequisite: Consent of department. (1-3)

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 10. Recitals and Concerts. Attendance at musical performances. (Music majors and minors only) (0)
MU 14. Singers Diction. Development of correct Italian, ecclesiastical Latin, German, and French pronunciation for singing. (2)
MU 121. Class Voice for Music Theatre. Principles of singing and vocal technique. (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)
MU 181. Musical Encounters. A course in music appreciation which develops informed judgment about music through exposure to live performance. (University Studies course) (3)
MU 182. Music: An Artistic Expression. 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 20. 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 275. Percussion Ensemble. Performance ensemble open to all university studies by audition. Prerequisites: Permission of instructor; must be able to read music and have a percussion background or keyboard technique. (1)
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 326. Topics in Performance Health. Seminar devoted to research, discussion, and examination of physical, mental and performance strategies for achieving and maintaining optimum health while pursuing a career in music. Prerequisite: sophomore standing; music major or minor; or permission of instructor. (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 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 397. Chamber Choir. To study, rehearse and perform choral works most appropriately sung by small ensemble. Specific attention will be given to, but not limited to, the music of the Renaissance and Baroque periods. (1)

MU 398. Opera Theatre Workshop. Practical experience in various phases of opera production and participation in the musical preparation of appropriate operatic roles. Open to all University students. 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: 300 level standing in applied music. (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)

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. Prerequisites: NS 180; NS184. (3)

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. Prerequisites: NS 180; NS 184. (2)

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. (2)

NS 221-223. Directed Readings in Nursing. Directed readings designed to address specific nursing issues. (1-3)

NS 232. Altered Health 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; Co-requisite: BS 114/014. (3)

NS 234. Altered Health 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. (3)

NS 270. Pharmacology. Overview of drug categories and actions as applied to clients of all ages, with an emphasis on nursing care. Prerequisite: NS 234. (2)

NS 281. Professional Practice: Family Nursing I. Focus on pregnancy, birth, high-risk pregnancy, health promotion, and care for and interaction with childbearing families in rural community settings. Prerequisite: NS 181; NS 183; sophomore standing in nursing program. (4)

NS 282. Professional Practice: Family Nursing II. Focus on growth and development, health promotion and care for children and childbearing families in interdiscipli-
nary professional practice settings. Prerequisites: NS 281; junior standing in nursing program. (4)

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 181; NS 183; 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 or permission of instructor. (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: NS 383; 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. Pre-requisite: 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 405-407. Independent Study in Nursing. (1-3)

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. Prerequisites: NS 384; NS 386; NS 481; NS 484 (except RN-BSN students); 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: NS 281; NS 283; junior standing. (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 484; 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 484 (except RN-BSN students); 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 386; senior standing in nursing major. (6)

See University Studies (UI) listings for description of:

UI 412. American Health Care Systems & Issues. (3)

PHILOSOPHY (PL)

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 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. (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. (3)

PL 330. Symbolic Logic II. The analysis of formal symbolic systems through contemporary logical theory and techniques of deductive proof. (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. (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. (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). (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 traditions are offered). (3)

PL 453. Philosophy of Technology. (3)

PL 481. Practicum. Senior level practicum stressing the application of philosophical principles in undergraduate research, classroom teaching, internship, community service or other approved experiential contexts. (1)

PL 497-499. Independent Study in Philosophy or Religion. Directed individual study of special interest areas in philosophy or religion. Prerequisite: Consent of instructor. (1-3)

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 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)

AT 136. Jogging/Walking for Fitness. 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 situa-
tions 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)

AT 188. Basketball. 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 198. Taekwondo. Fundamental techniques of Taekwondo Do for students of varying skill and experience. (1)

VARSITY SPORTS:

AT 200. Varsity Sports. Conditioning, theory, and skill development in an intercollegiate varsity sport. Prerequisite: Member of varsity sport team. (1)

AT 201. Varsity Sports. Conditioning, theory, and skill development in an intercollegiate varsity sport. Prerequisite: AT 200. (1)

PHYSICAL EDUCATION (PE)

PE 116. (Cross-listed as HL, RC, SM 116). Special Topics in Health, Human Performance & Recreation. Special topics in health and leisure unavailable in the department curriculum. May be repeated for credit on different topics. (1-3)

PE 201. Sport and Society. The study of the interrelationships between society, culture, values, and sport, and the ways in which they influence one another. (University Studies Course) (3)

PE 216. Theory and Practice of Team Sports. Theory, skill development and teaching techniques of basketball, flag football, football, soccer, softball, team handball, and volleyball. (2)

PE 217. Theory and Practice of Individual/Dual and Leisure Activities. Theory, skill development and teaching techniques of angling, archery, badminton, bowling, firearms, golf, obstacle course, orienteering, racquetball, tennis, and track/field. (4)

PE 220. First Aid. American Red Cross requirements for first aid; opportunity for standard and advanced certification. (2)

PE 235. Psychology of Coaching and Human Performance. Development of a coaching philosophy, instructional techniques, and strategies for dealing with teaching, practice, and game situations. (3)

PE 238. Foundations, History and Philosophy of Physical Education and Sport Management. Introductory course explores the history and development of the professions of physical education and sport management in the United States. (3)

PE 239. Teaching Children Physical Education. Teaching developmentally appropriate physical education in the elementary school. Two lectures and one lab per week. (3)

PE 240. Rhythm, Plays and Games. Theory, skill development, and teaching techniques of children's rhythms, creative movement, and rhythmic activities. Four hours lab per week. (2)

PE 262. Aerobic Certification Training. Training in the American Council on Exercise (ACE) aerobics certification program in preparation for the ACE-certified Aerobics Instructor examination. (2)

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. Analysis, construction, administration and use of tests in physical activity and sport. Two hours lecture and two hours lab. (3)

PE 341. Physiology of Conditioning. Designed to present current foundations, theories and methods of conditioning. Prerequisites: BS 113/013. (3)

PE 361-363. Independent Study in Health, Human Performance & Recreation. 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. Two hours lecture and two hours lab. Prerequisite: EX 390 or consent of instructor. (3)
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)

PE 464. Kinesiology. 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 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. Introductory Physics I. Geometrical optics and instruments; kinematics, dynamics, gravitation, momentum, energy, rotation, elasticity, sound and wave motion. Four lectures and one 2 hour labs. Prerequisite: MA 133; MA 134; or MA 135. (University Studies course) (5)

PH 121. Introductory Physics II. Heat and thermodynamics, electricity, magnetism, wave optics, and modern physics. Four lectures and one 2 hour lab. Prerequisite: PH 120. (5)

PH 218. Physical Science: A Process Approach. 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. General Physics I. Mechanics; kinematics and dynamics of linear and rotational motion; heat and thermodynamics. Four lectures and two hour lab. Prerequisite: MA 140. Pre or corequisite: MA 145. (5)

PH 231. General Physics II. Electricity, magnetism; wave motion and sound; geometrical and physical optics. Four lectures and two hour lab. Prerequisite: PH 230. Pre or corequisite: MA 240. (5)


PH 341. Optics. Geometrical and physical optics; Fourier analysis; interference, diffraction, double refraction, gratings and light in matter. Prerequisites: PH 231; 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 labs. Prerequisites: Logical Systems (MA 134 or higher); PH 121 or PH 231. (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. Prerequisites: PH 231/0; MA 245. (3)

PH 370. Mechanics. 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. Prerequisites: PH 231; MA 245. (3)

PH 371. Electromagnetics. Electric fields, potential and dielectrics; magnetic fields, magnetic properties of matter; Maxwell’s equations and electromagnetic waves. Prerequisites: PH 231; MA 245. (3)

PH 400. Topics in Physics and Engineering. Study of subject matter not included in the regular departmental curriculum. Course title will vary. Format may include lectures, labs, seminars, or other forums as required by the specific course. Prerequisites: MA 245; PH 231; or permission of instructor. (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. 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. Prerequisites: MA 245; PH 231; PH 360. (3)

PH 475-476. Literature of Physics. Intensive study of topics in physics literature by students doing a literature search on a selected topic in physics. Prerequisite: Consent of department chairperson. (1-2)

PH 477. Physics Seminar. Presentations and discussions by faculty and students on recent topics encountered in reading or research. Prerequisite: PH 121 or PH 231. (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)

PH 550. National Physics Programs. 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. 0 Prerequisites: PH 231; 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. Prerequisites: PH 231; 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)

POLITICAL SCIENCE (PI, PS)

PI 381-383. Political Science Internship. Practical experience with a public agency providing firsthand experience in the operations of public policy. Prerequisite: PS 103 or PS 104; 2.5 GPA. (1-3)

PS 001. Senior Assessment. Standardized exam, portfolio submission, self-assessment and exit interview. Required of all Political Science majors in their final semester. (0)

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. Prerequisite: PS 103 or PS 104. (3)

PS 300. Pre-Law LSAT. Noncredit course designed to familiarize students with the Law School Admission Test (LSAT). (0)

PS 310. Government and Politics in the American States. 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)

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. Less Developed Nations. 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)

PS 365. Legislative Process in the United States. 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 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 384-386. 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 387-389. Independent Study in Political Science. 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)

PS 402. Fundamentals of Public Administration. A comprehensive examination of the operations of public agencies from an internal and external perspective. Prerequisite: PS 103 or PS 104. (3)
PS 103. 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 104. Organizational Theory and Behavior. Major concepts of organization theory and behavior. Topics include organization structure and design, bureaucracy, the systems concept, leadership, culture, job satisfaction and motivation. Prerequisite: PS 103 or PS 104. (3)

PS 115. Fundamentals of Political Science. Introduction to the 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 125. 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 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 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 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 491. Variable Topics. Analysis of variable topics in Political Science. May be repeated for credit. (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 301. Cross-Cultural Psychology. Focus on understanding different cultural values, norms, and beliefs. Topics to be covered include the differences in cognitive
processes that lead to misunderstandings and conflicts between members of different groups. (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 329. (Cross-listed as PY 529). Psychology of Death and Dying.** An exploration of the significant psychological issues related to death, dying, and loss as they affect individuals in the 21st century. (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 post-adolescent development. (3)

PY 529. (Cross-listed as PY 329). 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 571. Introductory Behavioral Statistics. An introduction to descriptive and inferential statistics used in the reporting of educational and psychological research. (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. Business Statistics. Statistical methods with business applications emphasis. Includes descriptive statistics, probability, probability distributions, sampling theory, estimation, hypothesis testing, regression, quality & productivity, and ethical considerations. Prerequisites: AD 101; MA 139 with a minimum grade of 'C'. (3)

QM 352. Quantitative Methods in Business. The application of mathematical techniques to business problems including decision theory, linear programming, queuing theory and forecasting. Prerequisite: QM 257 with a minimum grade of 'C'; junior standing. (3)

QM 358. Production/Operations Management. Study of transformation processes and their relevance to all organizations, the value delivery chain and other aspects of the business processes. Prerequisite: QM 352 with a minimum grade of 'C'. (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. (University Studies course) (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., PE, SM 116). Special Topics in Health, Human Performance & Recreation. 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)

RC 210. Camp Leadership. 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)

RC 245. Mentoring Principles and Practices. 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)

RC 250. Foundations of Outdoor Recreation. 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. (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 para-professional 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, lead-
ership 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, RC, SM 316). Special Topics in Health, Human Performance & Recreation. Special topics in health and leisure unavailable in the department curriculum. May be repeated for credit on different topics. (1-3)
RC 321-323. Independent Study in Recreation. 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)
RC 345. Youth Development Through Leisure. 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)
RC 361-363. Independent Study in Health, Human Performance & Recreation. Directed individual study of special interest areas in health and leisure. (1-3)
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)
RC 420. Organization and Administration of Recreation Services. 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 decision-making 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. 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)
RS 210. Asian Religions. A study of religious systems of India, Southeast Asia, China and Japan. (3)
RS 350. Religious Topics and Issues. 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.) (3)

SECONDARY EDUCATION (SE)
SE 222. Introduction to Middle and Secondary Education. An entry level course for students wishing to pursue a teaching career at the middle and secondary level. Corequisite: PY 222. Credit/no credit only. (0)
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. (2)

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)

SE 272. Teaching Reading in Secondary School. 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)

SE 273. Fundamentals of High School Education. 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 275. (EL 274). Diversity in American Schools. Exploration of race, ethnicity, and gender issues in schooling today. (3)

SE 300. Techniques to Enhance Learning. An intermediate level integration of methods for implementing current educational technology into the curriculum through project-based learning designed to address specific subject areas. (2)

SE 311. Techniques of Teaching High School Mathematics. Methods, materials and trends in secondary mathematics. Prerequisites: Blocks I & II. Corequisite: Block III. (3)

SE 312. Curriculum Development and Techniques of Teaching Vocational Home Economics. 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)

SE 317. Techniques of Teaching Secondary Social Studies. Methods, materials and trends in secondary social studies. Prerequisites: Blocks I & II. Corequisite: Block III. (3)

SE 318. Techniques of Teaching Secondary Social Studies. 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. 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)

SE 370. Secondary Block III: Field Experience. Students will apply knowledge of professional education, an academic specialization and exceptional children, to appropriate classroom settings. Prerequisites: Blocks I & II. Corequisite: Block III. (2)

SE 371. Middle Block III Field Experience-Language Arts. Students will apply knowledge of professional education, an academic specialization, and the exception child to an appropriate classroom setting. (1)

SE 372. Middle Block III Field Experience-Math. Students will apply knowledge of professional education, an academic specialization, and the exception child to an appropriate classroom setting. (1)

SE 373. Middle Block III Field Experience-Science. Students will apply knowledge of professional education, an academic specialization, and the exception child to an appropriate classroom setting. (1)

SE 374. Middle Block III Field Experience-Social Studies. Students will apply knowledge of professional education, an academic specialization, and the exception child to an appropriate classroom setting. (1)

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: SE 300 or consent of instructor. (3) 

SOCIAL REHABILITATION (SR) 

SR 444. Treatment Strategies: Alcohol and Drug Abuse. 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) 
SR 448. Juvenile Justice Treatment and Intervention Strategies. 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 4410 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 experience qualifies student for certification. (3) 

SOCIAL WORK (HS, SW) 

HS 551. Case Management. An interdisciplinary study of client-driven service coordination with special emphasis on strength-based assessment. Prerequisites: Major in the College of Health and Human Services and senior standing; or consent of instructor. (3) 
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) (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 121. Helping Skills for the Human Services. Developing interpersonal communication competency through study of verbal communication principles and strategies, helping strategies, and the influence of culture and gender. (University Studies course) (3) 

SW 201. Social and Economic Justice. Explores social and economic justice with connections to minority status and oppression. (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 221. Interviewing Skills for Generalist Practice. Provides an introduction to basic interviewing skills for generalist social work practice. Prerequisites: SW 110; Social Work major. (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 110, SW 201, SW 207, SW 221 each with a minimum grade of 'C'. (3) 

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) 

SW 310. Social Welfare Policies and Services. Critical analysis and evaluation of social welfare policies and programs/services. Prerequisites: SW 110; University Studies Political and Economic Systems; SW 201 with a minimum grade of 'C'. (3) 

SW 315. Social Work Intervention. Explores beginning knowledge and skills needed for providing intervention with individuals, families, groups and social systems. Limited to non-Social Work majors. Prerequisite: SW 110. (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 321 with a minimum grade of 'C'; SW 308 with a minimum grade of 'C' or concurrent enrollment; 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 321 with a minimum grade of 'C'; SW 308 & SW 322 with a minimum grade of 'C' or concurrent enrollment; Social Work major. (3)

SW 342. Methods of Social Research for Generalist Practice. The application and use of the social scientific method for measuring social work intervention. Prerequisite: SW 242 with a minimum grade of 'C'. (3)

SW 351. Child Welfare Services. 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)

SW 353. Child Development. Students will learn the physical, cognitive, social and personality changes of development from conception to adolescence. Emphasis will be placed on how abuse/neglect impacts normal development. Prerequisite: SW 110 with a minimum grade of 'C' or consent of instructor. (3)

SW 354. Crisis Intervention. Course explores the theory, skills and methodology of crisis intervention with individual, family and community systems. Prerequisite: SW 110 with a minimum grade of 'C' or consent of instructor. (3)

SW 355. 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 356. Social Work in Mental Health. Description of the roles, tasks and methodology of social workers in the field of mental health; also providing a basic understanding of diagnostic categories relevant to mental illness and introducing information about treatment strategies. Prerequisite: SW 110 with a minimum grade of 'C' or consent of instructor. (3)

SW 387-389. Independent Study for Social Work. 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. Field Education. Internship in social service agency for one semester. Opportunity to apply entry level social work generalist 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)

SW 451. Field Education. Internship in social service agency for one semester. Opportunity to apply entry level social work generalist 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)

SOCIOLOGY (SI, SO)

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. (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. 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 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 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 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)

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 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 387-389. Independent Study in Sociology. Directed individual study of special interest areas in sociology, (1-3)

SO 444. Deviant Social Behavior. An examination of abnormal behavior as a product of the structure and process of one's social environment. (3)

SO 495. Senior Seminar. Students will research and analyze an issue of sociological concern, with emphasis on bringing together theory and method in sociology. (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 or equivalent. (University Studies course) (3)

SN 300. Spanish American Culture. Introduction to Spanish American Culture, from pre-Colombian 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 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)

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 and Anthropology. (3)

SPORT MANAGEMENT (SM)

SM 116. (Cross-listed as HL, PE, RC, 116). Special Topics in Health, Human Performance & Recreation. Special topics in health and leisure unavailable in the department curriculum. May be repeated for credit on different topics. (1-3)

SM 220. Introduction to Sport Management. Introductory course exploring the history, development, governance, and current status of sport management. (3)

SM 316. (Cross-listed as HL, RC 316). Special Topics in Health, Human Performance & Recreation. Special topics in health and leisure unavailable in the department curriculum. May be repeated for credit on different topics. (1-3)

SM 340. Sport Ethics. Examination of ethical principles relating to sport specific issues within the context of managing sport services. Prerequisite: PL 204. (3)

SM 360. Sporting Event Management. Prepares the prospective sport manager in the management of sport related events. Prerequisites: SM 220; declared Sport Management major, Sport Management minor or Coaching minor. (3)

SM 361-363. Independent Study in Health, Human Performance & Recreation. Directed individual study of special interest areas in health and leisure. (1-3)

SM 370. Practicum in Sport Management. Supervised field experience in a sport agency designed to meet the student's professional interests and goals. One hour seminar and 4 hours of field work per week. Credit/no credit course. Prerequisites: Sport Management major or minor; junior standing. Corequisite: SM 465. (2)

SM 455. Sport-Related Venue Design and Operation. Design and management of sport related facilities. Prerequisite: SM 360 or consent of instructor. (3)

SM 460. Fundamentals of Sport Delivery Systems. Examination of the fundamental theories and practices used to deliver sport products and services to consumers. Prerequisite: SM 360. (3)

SM 465. Professional Seminar in Sport Management. Professional expectations and job seeking skills in sport management. Prerequisite: junior standing. Corequisite: SM 370 or consent of instructor. (1)

SM 470. Sport Management Internship. Full-time, supervised field experience in a sport agency designed to meet the student's professional interests and goals. Culminating experience for sport management students. Prerequisite: Sport management majors with senior standing or in last three semesters of course work with cumulative GPA of 2.25, GPA within major of 2.5 and consent of the instructor. (12)

SM 540. Legal Aspects of Sport and Physical Activity. Exploration of the various legal principles applicable to the sport industry. Prerequisites: Senior standing; declared Sport Management major or minor or Coaching minor or permission of instructor. (3)

SM 570. Management and Leadership in Sport Organizations. Application of contemporary management concepts to the operation of sport organizations. Prerequisite: SM 460 or consent of instructor. (3)

TECHNICAL GRAPHICS (TG)

TG 100. Introduction to Architectural Drafting. A beginning residential architectural drafting course that presents basic elements of manual drafting including sketching, equipment use and techniques, scales, measurement, dimensioning, and the basic drawings found in residential plans. Four hours lab and one hour lecture. (3)

TG 120. Computer Aided Engineering Graphics. 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. (3)

TG 126. Computer Aided Architectural Drafting. Use of computer-aided design software, hardware and systems to solve problems in graphics. Using AutoCAD to do: simple engineering drawings, basic floor plans, pictorials, dimensioning, elevations, and symbols will be covered. Prerequisite: TG 100. (3)

TG 180 (TG 170). Introduction to Industrial 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 Prototyping. 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)

TG 226. Residential Architectural Drafting and Design. Computer aided drafting and design related to detailed working drawings of residential buildings including site, foundation, floor, elevations, sections with emphasis on structural components and construction standards and practices. Prerequisite: TG 120 or TG 126. (3)

TG 280. (TG 374) Vector and Bitmapped Graphics for Industry. Addresses the software, concepts, principles, and elements of design integrated in the creation of graphics and images used in the design and development of industrial projects. Prerequisite: TG 180. (3)

TG 282. (TG 272) Electronic Publishing. The use of electronic equipment and software for the preparation of copy, including design, editing, and typesetting. Prerequisites: TG 180; TG 280. (3)

TG 284. (TG 274) Photography Fundamentals. Deals with the art of producing aesthetically pleasing photographs while practicing the requisite technical skills. (University Studies course) (3)

TG 322. Commercial Architectural Drafting and Design. Introduction to the computer aided drafting and design of commercial and light commercial construction including materials, floor plan design and layout, print reading, mechanical systems, schedules, and the various drawings associated with commercial construction. Prerequisite: TG 226. (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. Advanced 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 324 with a grade of C or better. (3)

TG 386. (TG 376) Interactive Multimedia & 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 280 or consent of instructor. (3)

TG 482. (TG 422) Multicolor Print Processes. Designed to develop student knowledge in print operations for industry. Students will explore such topics as packaging print techniques, printing and publication production, graphics workflow management, and scheduling and estimating for print. Prerequisite: TG 282 with a grade of "C" or better. (3)

TG 490. (TG 472) Advanced Graphics Projects. Allows students to utilize the skills required while completing their technical graphics courses. Courses stresses problem-solving, critical analysis, application of concepts, principles and creative technique as taught in the Technical Graphics program. Prerequisites: senior standing. (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 personal 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)

TH 101. Acting for Non-Majors. 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 & 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. (5)


TH 155. Makeup. A study of designing and applying makeup for stage/television/film, including exploration into theory, character analysis, materials, and techniques. Lecture and lab sessions plus production work required. (2)

TH 218. 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. Prerequisites: Theatre and Dance major or minor; consent of instructor. (3)

TH 219. Auditioning. Explores various audition, cold-reading, and interview techniques, marketing strategies, and solo exercises for actors. (1)

TH 231. 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. 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 basic design elements. Prerequisites: TH 231; consent of instructor. (3)

TH 305. (Cross-listed as DA 305.) Rehearsal & 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. Prerequisites: Two credit hours of TH 105 and/or DA 105; or consent of instructor. (1)

TH 307. Musical Theatre Score Study. Study of musical theatre literature through analysis, guided listening, and performance. Selections from early development to the present will be included. (3)

TH 316. Acting II. A continuation of the theories and practices developed in Acting I. Prerequisites: TH 218; consent of instructor. (3)

TH 317. (Cross-listed as MU 327.) Voice for the Stage. A basic study of vocal mechanics, common vocal problems, proper breathing, and methods of voice improvement for public performance. (3)

TH 318. (Cross-listed as MU 328.) Musical Theatre Performance I. Scene study and exercise course designed to give performers the opportunity to apply singing, acting, and dance technique to musical theatre scripts and scores. Prerequisites: TH 317 or consent of instructor. (3)

TH 319. Acting for Film & Television. Merges Stanislas- viski-based technique training with the special demands and techniques of acting in film, television, and other electronic media. (3)

TH 321. Stage Combat I. Emphasizes safety, methods of staging, falling and rolling, unarmed stage fighting, and basic stage swordplay. (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. Laboratory 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. Prerequisites: TH 231; or consent of instructor. (3)

TH 351. 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. Scene Painting. A study of theatrical painting techniques. Lab and production work required. (3)

TH 371. Scene Design I. A study of and application of basic design principles geared to the creation of stage environments for play production. Prerequisites: TH 231; TH 265; or consent of instructor. (3)

TH 375. Theatre Management. 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. (3)

TH 381. (TH 285). Script Analysis. Investigation and application of contemporary, formal approaches to the criticism and analysis of dramatic literature. (3)

TH 385. Directing I. A fundamental course designed to enhance the student's understanding of the practical as well as the artistic skills of directing for the theatre. Prerequisites: TH 218, 231, & 251; or consent of instructor. (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 director/choreographers. (3)

TH 416. 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 316; or consent of instructor. (3)

TH 418. (Cross-listed as MU 428.) Musical Theatre Performance II. Advanced scene study and exercise course designed to give performers the opportunity to apply singing, acting, and dance technique to musical theatre scripts and scores. Prerequisites: TH 318; or consent of instructor. (3)

TH 431. Stage Combat II. Continuation of Stage Combat I emphasizing advanced stage swordplay practice. Prerequisite: TH 321. (3)

TH 450. Stage Lighting II. Advanced topics in stage lighting design and technology, including: computer controlled lighting, moving lightings, DMX 512, design software. Laboratory 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. Prerequisites: TH 351; or consent of instructor. (3)

TH 461-463. (Cross-listed as DA 461-463). Independent Study. Individual study in theatre and dance. (1-3)

TH 471. Scene Design II. Advanced study and application of design principles geared toward the creation of stage environments for Shakespearean productions, multi-set plays, musical theatre, and dance. Prerequisites: TH 231; TH 265; TH 371; or consent of instructor. (3)

TH 485. Directing II. A continuation of the theories and practices developed in Directing I along with an introduction to various styles and alternative directing techniques. Prerequisite: TH 385. (3)

TH 490. Theatre History I. Development of drama and theatre from ancient Greece to the English Restoration. (3)

TH 495. Theatre History II. Development of drama and theatre from the English Restoration to the contemporary era. (3)

TH 498. (Cross-listed as DA 498). BFA Project. The preparation, presentation, and assessment of a major artistic project. Prerequisites: Senior status; and consent of department chair. (2)

TH 499. (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)

UNIVERSITY STUDIES (IU, UI)

UI 100. First Year Seminar. 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. Cyberlaw. Provides a foundation in law as it relates to business, ethical, political, and international issues focusing on technology and e-commerce. (University Studies course) (3)

UI 301. Historical Perspective: American Agriculture. Historical development of America's agriculture and the interplay of economic, political, biological and cultural environments of modern America. Prerequisites: Economic Systems; Living Systems; Political Systems. (University Studies course) (3)

UI 300. Drugs and Behavior. An interdisciplinary coverage of psychoactive drugs from the perspectives of psychopharmacology, history, and criminal justice. Pre-
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)

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)

UI 308. Cultural and Physical Landscapes of the World: A Geographical Analysis. A geographical analysis of world landscapes utilizing physical, cultural, and economic 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)

UI 309. Crime and Human Behavior. An interdisciplinary study of the causes and effects of crime and delinquency. (University Studies course) (3)

UI 310. The American Musical Experience. An examination of the musical experience of the American people manifested in folk, ethnic, jazz, and pop music, in the fine arts tradition. Prerequisite: Junior status; ability to read music. (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)

UI 315. Electronics and Computers in Music. 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: 45 hours. (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)

UI 318. Earth Science: A Process Approach. 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: US 105 or US 107 (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 or PH231. (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)

UI 336. Religion in America. 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)

UI 337. Issues in Modern Architecture. Analysis of the interrelated development of issues between twentieth century architecture and European/American civilization. (University Studies course) (3)

UI 339. Indians of North America. 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)

UI 341. Victorian Studies: An Interdisciplinary Approach. 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. (University Studies course) (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)

UI 349. Comparative Economic Systems. 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)

UI 355. Consumer and the Market. 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)

UI 359. Consumers: Buying/Having/Being. 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 course. (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 363. 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 364. 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 365. 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 366. 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)

UI 367. Government and Business. Government regulation of business in the United States with emphasis on differing economic and political perspectives concerning such regulation. (University Studies course) (3)

UI 368. Earthquakes and Society. Study of earthquakes, their causes, occurrence, physical properties, scientific use, and their effects on human society. (University Studies course) (3)

UI 369. 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 370. European Film. Study of major European films and film makers in the context of French, German, and Spanish cultures. (University Studies course) (3)

UI 371. Physics of Star Trek. 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 372. 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; or by permission of instructor(s). (University Studies course) (3)

UI 373. Age of Modernism. This course will examine the phenomenon of Modernism in music and culture through the study of 13 masterpieces of music in the context of their times. Prerequisites: MM 203 and MM 207; or MU 181 or MU 182; or by permission of instructor(s). (University Studies course) (3)

UI 374. Music and Culture. This course will investigate the development of music between 1600-1750 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 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; 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)

UI 401. American Cultural Landscapes: Regional Architecture and Settlement Systems. 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: Junior standing; completion of 100, 200 & 300 level University Studies curriculum; ability to read music; or permission of instructor. (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)

UI 410. Manufacturing Research in a Global Society. 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)

UI 412. American Health Care Systems and Issues. A study of current concerns of the health and well-being of populations. Consumer concerns, bioethical issues, and health professional functions are addressed. Prerequisites: Senior standing; completion of all University Studies 100, 200, and 300 level requirements or consent of instructor. (University Studies course) (3)

UI 414. The American Temper: Ideas in Conflict. 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 course) (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 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 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. (University Studies course) (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)

UI 433. Aesthetics of Movement: Athletic Dancers & Artistic Athletes. 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 ethics) (3)

UI 438. The Nature and Growth of Mathematical Thought. 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. Prerequisites: Completion of University Studies core to include CH 180 or CH181. (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 446. The Civil Rights Movement. A study of the American Civil Rights Movement from the 1950's to the present. Prerequisites: Development of Major Civilization; Social Systems; and Artistic Expression. (University Studies course) (3)

UI 448. American Revolution Experience. Study of the American Revolution from the perspectives of the ethn-
tiveness of these systems and to their integrated functioning. Two lectures and one 2-hour lab. Prerequisites: BI 154; 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 381; ZO 200. (3)

**ZO 420. Animal Behavior.** Evolutionary approach to the study of behavior of the individual and group. Topics include proximate and ultimate explanations of behavior. Prerequisites: BI 154; MA 134. (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: BI 154. (3)

**ZO 459. Mammalogy.** Introduction to the ecology, zoogeography, structure/function, evolution, and behavior of mammals. One lecture and two 2-hour labs. Prerequisite: BI 154. (3)

**ZO 460. Herpetology.** An introduction to the biology of the amphibians and reptiles. Evolutionary history, ecology, behavior, physiology, and distribution. Three lectures. Prerequisite: BI 154. (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: BI 154. (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: BI 154. (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: BI 154. (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: BI 154. (3)
University Personnel
UNIVERSITY PERSONNEL

ADMINISTRATIVE OFFICERS

Kenneth W. Dobbins (1991)
President
B.S., U of Akron; M.B.A., Old Dominion U; Ph.D., Kent State U.

Jane Stephens (1978)
Provost
B.S., Middle TN State U, M.A., Ph.D., Ball State U.

Dennis Holt (1976)
Vice President-Administration & Enrollment Management
B.A., Ph.D., U of OR, M.A., Cornell U.

Frederick T. Janzow (1975)
Vice Provost/Dean, School of Graduate Studies
B.S.Ed., Concordia Teachers College, M.S., Ph.D., OK State U.

Kathy Mangels (1995)
Vice President-Business & Finance
B.S., UM-Columbia, Southeast MO State U.

Vice President-University Advancement/Executive Director-Foundation
B.S.Ed., Southeast MO State U.

DEANS AND DEPARTMENT CHAIRPERSONS

DONALD L. HARRISON COLLEGE OF BUSINESS
Dr. Gerald L. McDougall, Dean
Dept. of Accounting & Management Information Systems,
Dr. Joseph Wen
Dept. of Economics & Finance, Dr. Rebecca Summary
Dept. of Management & Marketing, Dr. Judy Wiles

COLLEGE OF EDUCATION
Dr. I. Sue Shepard, Dean
Dept. of Educational Administration and Counseling,
Dr. Jerry Waddle (Interim)
Dept. of Elementary, Early, and Special Education,
Dr. Gale McManus (Interim)
Dept. of Middle & Secondary Education,
Dr. Alberta Dougan (Interim)

COLLEGE OF HEALTH AND HUMAN SERVICE
Dr. Loretta Prater, Dean
Dept. of Aerospace Studies, Mrj. Kevin Colyott
Dept. of Communication Disorders, Dr. Sakina S. Drummond
Dept. of Criminal Justice & Sociology, Dr. John E. Wade
Dept. of Health, Human Performance & Recreation,
Dr. Joseph Wen
Dept. of Human Environmental Studies, Dr. Paula R. King
Dept. of Nursing, Dr. Gloria Green (Interim)
Dept. of Social Work, Dr. Michael D. Parker

COLLEGE OF LIBERAL ARTS
Dr. Chris McGowan, Interim Dean
Dept. of Art, Ms. Patricia Reagan
Dept. of Communication, Dr. Stuart Towns
Dept. of English, Dr. Carol Scates
Dept. of Foreign Language & Anthropology, Dr. Dieter Jedan
Dept. of History, Dr. James Ermatinger
Dept. of Music, Dr. Gary Miller

Dept. of Political Science, Philosophy and Religion,
Dr. H. Hamner Hill
Dept. of Psychology, Dr. Richard A. Burns
Dept. of Theatre & Dance, Dr. Kenn Stilson

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Dr. Chris W. McGowan, Dean
Dept. of Biology, Dr. William Eddleman
Dept. of Chemistry, Dr. Philip Crawford
Dept. of Computer Science, Dr. Kamayasamy Surendran
Dept. of Mathematics, Dr. Victor Gummersheimer
Dept. of Physics & Engineering Physics, Dr. David Probst

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Dr. Randall Shaw, Dean
Dept. of Agriculture, Dr. Wes Mueller
Dept. of Industrial & Engineering Technology, Dr. Ragu Athinarayanan

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Dr. Randall Shaw, Assistant Provost

SCHOOL OF GRADUATE STUDIES
Dr. Frederick T. Janzow, Dean

SCHOOL OF VISUAL AND PERFORMING ARTS
Dr. Gary Miller, Interim Director

SCHOOL OF UNIVERSITY STUDIES
Dr. David Starrett, Dean

KENT LIBRARY
Dr. Sarah L. Cron, Dean of
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and Director of Kent Library

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Director, Telecommunication Services
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<td>Rhonda C. Weller-Silson</td>
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<td>Jerry Lee Westbrook</td>
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<td>Lee-Ann Wiggis</td>
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University Personnel
Southeast Missouri State University 2006-07

Gerald N. Stott (1973-2005)
Associate Professor Emeritus of Criminal Justice and Sociology

Margaret M. Strahm (1952-1964)
Professor Emeritus of Home Economics

Dan Straubel (1963-1997)
Professor Emeritus of English

John K. Strout (1965-1993)
Assistant Professor Emeritus of Mathematics

George G. Suggs, Jr. (1964-1995)
Assistant Professor Emeritus of History

Terry P. Sutton (1972-2004)
Professor Emeritus of Economics and Finance

Margaret Therobald (1981-2005)
Professor Emeritus of Middle & Secondary Education

Associate Professor Emeritus of Music

David R. Thompson (1967-1997)
Associate Professor Emeritus of Industrial Technology

Assistant Professor Emeritus of Social Work

Nicholas H. Tibbs (1978-2005)
Professor Emeritus of Geosciences

Professor Emeritus of Biology

Steven Trautwein (1974-2005)
Associate Professor Emeritus of Geosciences

Associate Professor Emeritus of Economics and Finance

Giulio Venezian (1989-2005)
Associate Professor Emeritus of Physics and Engineering Physics

Mary Ann Vogelsang (1962-1995)
Professor Emeritus of Communication Disorders

Glenn Wade (1985-2001)
Associate Professor Emeritus of Health and Leisure

R. Graham Wagoner (1949-1980)
Associate Professor Emeritus of Industrial and Technical Education

Billy Bob White (1966-1999)
Associate Professor Emeritus of History

Assistant Professor Emeritus of English

Charles Wiles (1971-2000)
Professor Emeritus of Marketing

Professor Emeritus of Geosciences

Carroll Williams (1960-1996)
Associate Professor Emeritus of Physical Education

E. Victor Williams (1968-1983)
Assistant Professor Emeritus of Marketing

Associate Professor Emeritus of Agriculture

Fred E. Wing (1967-1991)
Associate Professor Emeritus of English

E. Otha Wingo (1962-1993)
Professor Emeritus of Foreign Languages

Janie M. Wright (1962-1991)
Assistant Professor Emerita, Kent Library

Wendell Wyatt (1962-2000)
Associate Professor Emeritus of Mathematics

Peter Yaremko (1965-1999)
Assistant Professor Emeritus of Political Science

John Young (1968-1998)
Professor Emeritus of Mathematics

Jesse L. Yow (1966-1986)
Assistant Professor Emeritus of Teacher Education

James Zink (1979-1997)
Professor Emeritus, Kent Library

AFFILIATED MEDICAL TECHNOLOGY CLINICAL PROGRAMS

Cox Medical Centers (Springfield, MO)
Medical Director:
Ronald M. Wachter, M.D.
Program Director:
Douglas D. Hubbard, M.T. (ASCP)

The Jewish Hospital College of Nursing & Allied Health (St. Louis, MO)
Medical Advisor:
Samuel A. Santoro, M.D., Ph.D.
Program Director:
Donna M. Duberg, M.A., M.S., M.T.(ASCP), S.M., C.L.A. (NCA)

North Kansas City Hospital (Kansas City, MO)
Medical Director:
Mark Stevens, M.D.
Program Director:
Jean E. Cooper, M.T.(ASCP), CT

Owensboro Mercy Health System (Owensboro, KY)
Medical Director:
Bruce E. Ward, M.D.
Program Director:
Linda Glied, M.T. (ASCP)

Southeast Missouri Hospital (Cape Girardeau, MO)
Medical Director:
Mark Bledsoe, M.D.
Program Director:
Ann Green, M.S.A., M.T. (ASCP)

St. John’s Mercy Medical Center (St. Louis, MO)
Medical Director:
Beverly R. Kraemer, M.D.
Program Director:
Terry Taff, M.T.(ASCP), S.M.

St. John’s Regional Medical Center (Joplin, MO)
Medical Director:
Margaret Janssen, M.D.
Program Director:
Connie Wilkins, M.S.A., M.T. (ASCP)
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