The Southern Arkansas University System

Southern Arkansas University is a two-campus system comprised of a technical college with both state and regional responsibilities and a regional state university. Recognizing the diversity of student backgrounds and education experiences, each campus accepts its coordinated and unique role.

Mission Statement

The mission of Southern Arkansas University is to educate students for productive and fulfilling lives in a global environment by providing opportunities for intellectual growth, individual enrichment, skill development, and meaningful career preparation. The University believes in the worth of the individual and accepts its responsibility for developing in its students those values and competencies essential for effective citizenship in an ever-changing, free, and democratic society. Further, the University encourages and supports excellence in teaching, scholarly and creative endeavors, and service.

Revised spring, 2000
Welcome to SAU

Information

Academic Programs ..................................... Vice President for Academic Affairs
Admission and General Information............... Dean of Enrollment Services
Alumni Affairs .................................................. Director of Alumni Affairs
Business Affairs .......................................... Business Affairs Administrator or Controller
Continuing Education and Extension
Courses .......................................................... Director of Continuing Education
Evaluation of Credits, Transcripts, and Veterans Affairs ........... Registrar
Gifts ................................................................. Director of Development
Graduate Studies ........................... Associate Dean of Education for Graduate Studies
Housing ............................................................. Dean of Students
Financial Aid ..................................................... Director of Financial Aid
Social Activities ................................... Assistant Dean of Students for Student Activities
Student Accounts ...................................... Coordinator of Student Accounts
Student Affairs ........................................ Vice President for Student Affairs
Student Counseling ........................... Director of the Office of Counseling and Testing
Student Employment .......................... Director of the Employment Resource Center
Student Teaching ................................. Director of Field Experiences, School of Education
University Administration ........................................ President

Visitors

Southern Arkansas University is located in southwestern Arkansas in the city of Magnolia. Magnolia is approximately 55 miles east of Texarkana, 80 miles northeast of Shreveport, and 140 miles southwest of Little Rock. Visitors are welcome at Southern Arkansas University, and campus tours can be arranged by appointment.

- Temporary parking permits can be obtained at the Business Office.
- Visitors should contact the Office of Admissions (for undergraduate information) or the Office of Graduate Studies (for graduate information) by telephone or by mail for an appointment or for further information. The telephone number for the Office of Admissions is (870) 235-4040; the Office of Graduate Studies is (870) 235-4150.
- University switchboard number is (870) 235-4000.
- The SAU FAX number is (870) 235-5005.
- The toll-free number for the Office of Admissions only is (800) 332-7286.
- The SAU website is www.saumag.edu.
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## Southern Arkansas University
### Calendar
#### 2002-2004

#### Fall 2002

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
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<tbody>
<tr>
<td>August 19</td>
<td>Monday</td>
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<tr>
<td>August 21</td>
<td>Wednesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>August 28</td>
<td>Wednesday</td>
<td>Last date of entrance and course additions</td>
</tr>
<tr>
<td>September 2</td>
<td>Monday</td>
<td>Labor Day Holiday</td>
</tr>
<tr>
<td>October 14</td>
<td>Monday-12:00 noon</td>
<td>Mid-semester grades due in Office of the Registrar</td>
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<tr>
<td>October 23</td>
<td>Wednesday</td>
<td>Last date for dropping courses or withdrawing from the University</td>
</tr>
<tr>
<td>November 27</td>
<td>Wednesday-5:00 pm</td>
<td>Thanksgiving holiday begins</td>
</tr>
<tr>
<td>December 2</td>
<td>Monday</td>
<td>Classes resume</td>
</tr>
<tr>
<td>December 2</td>
<td>Monday</td>
<td>Last date to change I grades in Office of the Registrar</td>
</tr>
<tr>
<td>December 9</td>
<td>Monday</td>
<td>Final examinations begin</td>
</tr>
<tr>
<td>December 13</td>
<td>Friday</td>
<td>Semester ends</td>
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#### Spring 2003

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<thead>
<tr>
<th>Date</th>
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<tbody>
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<tr>
<td>January 15</td>
<td>Wednesday</td>
<td>Classes begin</td>
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<tr>
<td>January 22</td>
<td>Wednesday</td>
<td>Last date of entrance and course additions</td>
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<tr>
<td>March 10</td>
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<tr>
<td>March 17-21</td>
<td>Monday-Friday</td>
<td>Spring vacation</td>
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<tr>
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<td>Monday</td>
<td>Classes resume</td>
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<td>Wednesday</td>
<td>Last date for dropping courses or withdrawing from the University</td>
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<tr>
<td>April 21</td>
<td>Monday</td>
<td>Last date to change I grades in Office of the Registrar</td>
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<tr>
<td>May 12</td>
<td>Monday</td>
<td>Final examinations begin</td>
</tr>
<tr>
<td>May 16</td>
<td>Friday</td>
<td>Semester ends</td>
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<tr>
<td>May 16</td>
<td>Friday</td>
<td>Commencement</td>
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<tr>
<td>Date</td>
<td>Day</td>
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<tr>
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<td>Monday</td>
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<tr>
<td>June 4</td>
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<td>Last date of entrance and course additions</td>
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<tr>
<td>June 18</td>
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<td>Last date for dropping courses or withdrawing from the University</td>
</tr>
<tr>
<td>July 3</td>
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**Summer 2003**

**Second Term**

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<thead>
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<th>Date</th>
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<tbody>
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<td>Last date of entrance and course additions</td>
</tr>
<tr>
<td>July 23</td>
<td>Wednesday</td>
<td>Last date for dropping courses or withdrawing from the University</td>
</tr>
<tr>
<td>August 7</td>
<td>Thursday</td>
<td>Second summer term ends</td>
</tr>
<tr>
<td>August 8</td>
<td>Friday</td>
<td>Commencement</td>
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**Fall 2003**

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<td>Wednesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>August 27</td>
<td>Wednesday</td>
<td>Last date of entrance and course additions</td>
</tr>
<tr>
<td>September 1</td>
<td>Monday</td>
<td>Labor Day Holiday</td>
</tr>
<tr>
<td>October 13</td>
<td>Monday – 12:00 noon</td>
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<tr>
<td>November 26</td>
<td>Wednesday – 5:00 pm</td>
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<tr>
<td>December 1</td>
<td>Monday</td>
<td>Classes resume</td>
</tr>
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<td>Last date to change / grades in the Office of the Registrar</td>
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<td>Friday</td>
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<tr>
<td>March 8</td>
<td>Monday – 12:00 noon</td>
<td>Mid-semester grades due in the Office of the Registrar</td>
</tr>
<tr>
<td>March 15-19</td>
<td>Monday – Friday</td>
<td>Spring vacation</td>
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<tr>
<td>March 22</td>
<td>Monday</td>
<td>Classes resume</td>
</tr>
<tr>
<td>March 24</td>
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<tr>
<td>May 14</td>
<td>Friday</td>
<td>Semester ends</td>
</tr>
<tr>
<td>May 14</td>
<td>Friday</td>
<td>Commencement</td>
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### Summer 2004

#### First Term

<table>
<thead>
<tr>
<th>Date</th>
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<th>Event</th>
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<td>June 1</td>
<td>Tuesday</td>
<td>Advising and registration</td>
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<tr>
<td>June 2</td>
<td>Wednesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>June 3</td>
<td>Thursday</td>
<td>Last date of entrance and course additions</td>
</tr>
<tr>
<td>June 4</td>
<td>Friday</td>
<td>Classes meet (to make up for Memorial Day)</td>
</tr>
<tr>
<td>June 16</td>
<td>Wednesday</td>
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</tr>
<tr>
<td>July 1</td>
<td>Thursday</td>
<td>First summer term ends</td>
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#### Second Term

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<tr>
<th>Date</th>
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<tbody>
<tr>
<td>July 6</td>
<td>Tuesday</td>
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<tr>
<td>July 8</td>
<td>Thursday</td>
<td>Last date of entrance and course additions</td>
</tr>
<tr>
<td>July 9</td>
<td>Friday</td>
<td>Classes meet (to make up for July 4)</td>
</tr>
<tr>
<td>July 21</td>
<td>Wednesday</td>
<td>Last date for dropping courses or withdrawing from the University</td>
</tr>
<tr>
<td>August 5</td>
<td>Thursday</td>
<td>Second summer term ends</td>
</tr>
<tr>
<td>August 6</td>
<td>Friday</td>
<td>Commencement</td>
</tr>
</tbody>
</table>
Southern Arkansas University in Profile

Enrollment
In the fall 2001 semester, there were 3127 students enrolled at Southern Arkansas University: 2863 as undergraduates and 264 as graduate students.

Faculty
Of the full-time faculty, 61 percent have doctoral degrees. The low student-teacher ratio at SAU (an average of 20 students per class) assures attention to individual needs.

Library
Magale Library, which houses the Educational Media Center, is a centrally located learning resource center containing more than 148,000 book volumes and over 800 periodical subscriptions. Access to the library resources is through the library homepage at www.saumag.edu/library. The Magale building also houses the Curriculum Center and the Writing Center.

Accreditation
Southern Arkansas University is accredited by the National Association of Schools of Music, the National Council for the Accreditation of Teacher Education, the National League for Nursing Accrediting Commission (61 Broadway, New York, NY 10006; 800-669-1656), the Council on Social Work Education, and The Higher Learning Commission of the North Central Association (30 North LaSalle Street, Suite 2400, Chicago, IL 60602-2504; 312-263-0456 or 800-621-7440).

Memberships
SAU holds memberships in several national organizations. These include the AACSB International - The Association to Advance Collegiate Schools of Business, American Association of Colleges for Teacher Education, American Association of State Colleges and Universities, American Association of University Women, National Association of Schools of Music, National Collegiate Athletic Association, National Commission on Accrediting, National Council for the Accreditation of Teacher Education, National Council of Educational Opportunity Associations, and The Higher Learning Commission of the North Central Association (30 North LaSalle Street, Suite 2400, Chicago, IL 60602-2504; 312-263-0456 or 800-621-7440).

Endowment
SAU and the University Foundation have a combined endowment of over 15 million dollars with 694 named permanent funds as of fall 2001. These funds
include scholarships, lectureships, professorships, artists-in-residence, and academic and athletic enrichment endowments.

**Athletics**
SAU sports activities encompass individual and team events. Intramural activities are sponsored throughout the university year. Varsity teams compete in the NCAA Division II Gulf South Conference with men's competition in baseball, basketball, cross country, football, golf, swimming, and track and field; and women's competition in basketball, cross country, softball, track and field, and volleyball. Men's and women's rodeo teams also participate in intercollegiate competition.

**Entrance Requirements**
For undergraduate students, the Office of Admissions requires ACT test scores and documentation of high school graduation or GED achievement, as well as completion of all other admission application requirements.

**Degree Programs**
**Associate:** business administration, general studies, industrial technology, and nursing.

**Baccalaureate:** accounting; agriculture business; agricultural education; agricultural sciences; art (studio art or graphic design); art education; athletic training; biological science; biological science education; business administration (with major areas of emphasis in computer information systems, finance, management, and marketing); business education; chemistry; chemistry education; computer science; criminal justice; engineering-physics; English; English education; exercise science; French education; general science; general science education; health, kinesiology, and recreation; history; human performance, recreation, and community service; industrial technology; inclusive early childhood education; mass communication (broadcast or print journalism); mathematics; mathematics education; medical technology; middle school education; music education; nursing; physical education, wellness, and leisure; physics education; political science; psychology; social studies education; social work; sociology; Spanish; Spanish education; and theatre.

**Master of Business Administration:** a partnership initiative with the University of Arkansas at Little Rock.

**Master of Education:** counseling and development (with three emphasis areas in agency counseling, elementary school counseling, and secondary school counseling); educational administration and supervision (with three emphasis areas in elementary principalship, secondary principalship, and educational technology); elementary education (with six emphasis areas in early childhood, general elementary, gifted and talented, math/science, mild disabilities, and
Minor and Supporting Field Areas: accounting; agriculture; art; art education; biological science; biological science education; broadcast journalism; business education; chemistry; chemistry education; computer information systems; computer science; criminal justice; exercise science; English; English education; finance; French; French education; general business; general science education; geography; geology; graphic design; health education; health, kinesiology, and recreation; health education; history; horticulture; human performance, recreation, and community service; journalism education; management; marketing; mathematics; mathematics education; music; physics; physics education; political science, print journalism, psychology; religious studies; social studies education; social work; sociology; Spanish; Spanish education; and theatre.

Pre-professional Programs: pre-architecture, pre-chiropractic, pre-dental hygiene, pre-dentistry, pre-engineering, pre-forestry, pre-law; pre-medicine, pre-nuclear medicine technology, pre-nursing, pre-occupational therapy, pre-optometry, pre-pharmacy, pre-physical therapy, pre-radiological technology, pre-respiratory therapy, pre-veterinary science.

Student Activities
SAU has 70 student organizations active in campus activities and functions, including a total of 15 national sororities and fraternities. For more information, contact the assistant dean of students for student activities at (870) 235-4925.

Student Housing
SAU has men’s and women’s residence halls. Students should contact the dean of students for information by calling (870) 235-4041.

General Information
Southern Arkansas University is located in Magnolia, which has a population of approximately 12,000. The city is situated in the southwestern part of the state 55 miles east of Texarkana on U.S. Highways 79, 82, and 371.

Magnolia is a growing, progressive town in the heart of an agri-business, industrial, timber, and oil-producing area. The citizens of the region have continually shown interest in SAU students by encouraging them to participate in the civic and social life of the community.

Southern Arkansas University was founded as the Third District Agricultural School. One of four such schools established by an Act of the Arkansas Legislature in 1909, it opened in January 1911 as a district secondary school for
southwest Arkansas. In 1925, the State Legislature authorized the school to add two years of college work to its curriculum and to change its name to Agricultural and Mechanical College, Third District. It carried both high school and junior college courses until 1937, at which time the high school courses were discontinued. In the fall of 1949, the Board of Trustees, exercising authority vested in it by the State Legislature, decided to make the college into a four-year, degree-granting institution. The Board authorized the adding of third-year college courses to begin with the fall semester of 1950, and fourth-year or senior courses to begin with the fall semester of 1951. By Act Eleven, January 24, 1951, the State Legislature changed the name of the institution to Southern State College. In 1975, the college was approved and accredited to offer a master of education degree in selected academic areas. The name was changed to Southern Arkansas University on July 9, 1976.

University Goals
1. To position the classroom as the most important place on campus, so that the highest value is given to creative, scholarly teaching and active student learning.

2. To provide a superior education which develops students' abilities to think critically and creatively, solve problems, adhere to ethical principles, value diversity, and communicate effectively.

3. To recruit and retain diverse, well-qualified, and student-centered faculty and staff.

4. To recruit, retain and graduate students who have the opportunity to succeed with the support of an educational community of committed and caring faculty and staff.

5. To provide the opportunity for all students to have a full, meaningful, and well-rounded university experience.

6. To instill in students a strong work ethic and a concern for society, preparing them to exercise their responsibilities and rights as citizens and members of the community workforce.

7. To preserve a caring and collegial environment.

8. To organize an efficient and effective campus where every member of the University community participates in the accomplishment of the University mission and goals.
9. To reinforce a positive image through the achievements of students, faculty, and staff; the appearance of the buildings and grounds; and contacts with the public.

10. To position the University as a model in the utilization of technology.

Revised spring, 2000
Admissions and Enrollment Information

Admissions
All students who register for credit classes at SAU must be officially admitted to the University. All questions about the admissions process should be addressed to the Office of Admissions, which receives and processes all undergraduate applications and issues letters of admission to qualified applicants.

First-Time Freshman Admission
To apply for admission as an undergraduate student at Southern Arkansas University, an entering freshman must submit the following:

1. Application for admission;
2. ACT scores; and
3. High school transcript or GED certificate showing graduation date.

After being admitted, an entering freshman must submit the following:

1. Registration Demographic Form;
2. Medical immunization forms; and
3. Other information as requested by the Office of Admissions.

An application for a residence hall room, along with a $50 deposit, must also be submitted if the student wishes to live in a campus residence hall.

Unconditional Admissions for Beginning Students: Beginning students who have ACT scores of 19 or higher on the English, mathematics and reading parts of the ACT examination and who have graduated from high school will be admitted unconditionally to Southern Arkansas University.

Beginning with the 2002-2003 academic year, any public school student who graduates from a public high school (in-state or out-of-state) after May 1, 2002, must have successfully completed the core curriculum, recommended by the State Board of Education with a minimum grade point average of 2.00 on a 4.00 scale to be eligible for unconditional admission [Act 1290 of 1997 (ACA 6-60-208), amended by Act 520 of 1999].

Conditional Admission for Beginning Students: Beginning students who do not qualify for unconditional admission but who have earned a composite ACT score of 16 or higher or are ranked in the top quarter of the graduating class will be conditionally admitted to Southern Arkansas University.

Conditional Admission requires completion of 12 semester hours of core academic courses and any necessary remedial courses with a cumulative grade point average of 2.0 within the first 30 semester hours of college level credit. Failure to do so may result in academic suspension, academic probation, or
limiting the course enrollment for subsequent semesters. Core courses are defined as courses required in the General Education block in the Southern Arkansas University General Catalog.

Students admitted conditionally must successfully complete in a regular and consistent manner all developmental courses that they are required to take. The four developmental courses are Fundamentals of Reading, Fundamentals of Writing, Fundamentals of Mathematics, and Intermediate Algebra. Successful completion in a regular and consistent manner means that required developmental courses be taken each semester the student is registered. If two or more developmental courses are required, the student must register for at least two developmental courses (Fundamental of Mathematics and Intermediate Algebra cannot be taken concurrently).

GED, Home School, Private and Charter School Graduates: These students are admitted by virtue of their ACT scores as specified above.

Non-Traditional Students: Students who are 25 years of age or older are admitted regardless of their ACT scores, but they must submit ACT scores to determine whether they must take developmental courses.

Core Curriculum Requirements for Unconditional Admission

**English** Four units with emphasis on writing skills, not to include courses in oral communications, journalism, drama or debate.

**Natural Science** Three units, with laboratories, chosen from Physical Science, Biology, Chemistry, or Physics. Only one unit may come from a Life Science.

**Mathematics** Four units, including Algebra I and II, Geometry, and an advanced math course. It is strongly recommended that students take a math course during their senior year. (Three units of math will be required for graduating seniors in 2002 and 2003. Four units will be required starting with the graduating class of 2004).

**Social Studies** Three units, including one of American History (does not include Contemporary American History), one of World History (not to include World Cultures, World Geography, or Global Studies), and at least one-half unit of Civics or American Government (not to include courses in practical arts).

**Note:** These requirements differ slightly from the core curriculum requirements for the Arkansas Challenge Scholarship.

Students not seeking a degree may be admitted at the discretion of the director of admissions.

(A first-time freshman is defined as a student who has never attended college or has earned fewer than 15 semester hours at any accredited institution of higher learning.)
Transfer Students Admissions
All entering transfer students are required to submit a formal application for admissions. An official transcript from each college attended must also be mailed directly from the institutions to the Office of Admissions. **Official copies of all transcripts must be on file in the Office of Admissions before a decision on admission can be made.** A transfer student with fewer than 24 semester hours may also be required to enroll in College Reading and Freshman Seminar.

The following specific regulations apply:

1. Transfer students must be eligible to return to the institution they last attended to be eligible for admission to Southern Arkansas University.

2. Transfer students who have attempted 1-14 semester hours must meet the admission standards for beginning freshmen. If they have a cumulative grade point average of less than 1.0 (on a 4.0 scale), their admission is subject to approval of the director of admissions.

3. Transfer students who have attempted 15-29 semester hours must have a cumulative grade point average of 1.5 or higher (on a 4.0 scale) to be considered for admission.

4. Transfer students who have attempted 30 or more semester hours must have a cumulative grade point average of 2.0 or higher (on a 4.0 scale) to be considered for admission.

5. Transfer students must provide transcripts indicating the courses equivalent to Composition I and College Algebra have been successfully completed with grades of C or higher or submit ACT, SAT, or ASSET scores for placement purposes.

6. Transfer students who are 25 years of age or older are admitted regardless of ACT, SAT, or ASSET scores, but they must submit ACT, SAT, or ASSET scores for placement.

7. The hours earned at any accredited institution will be posted to the SAU transcript, but **the grade point average earned at those institutions will not be used to calculate the cumulative grade point average.**

8. Only courses with grades of C or higher will transfer. Applications from transfer students who do not meet the above requirements and have been out of college for at least one year will be reviewed by the director of admissions for special consideration. In addition, any applicant has the right to appeal to the president.
All entering transfer students with fewer than 24 semester hours must provide an official copy of their high school transcript or GED certificate and a copy of each ACT or SAT taken.

No transfer students may disregard their academic records at other institutions they have previously attended. All records should be evaluated before registering at SAU, or the students will have to accept the consequences of enrolling in duplicate courses or failing to enroll in required courses.

Students transferring from two-year collegiate institutions (including SAU Tech) may transfer a maximum of 68 semester hours to SAU, but the grade point average earned at those institutions will not be used to calculate the cumulative grade point average.

All transfer work will be evaluated by the dean of the appropriate school and the Office of the Registrar. Courses taken at a lower-division level which are offered at the upper-division level at SAU cannot be accepted for degree credit unless validated satisfactorily. The validation procedure to be used for particular courses will be determined by the appropriate dean. Validated courses will be accepted at the level at which credit was earned and not at the level at which the course was validated. Upper-level credit is not awarded for courses taken at a lower level; and, in some majors, additional upper-level hours will be required to meet the 40-hour requirement for upper-level credit. For a course to count towards graduation requirements, proof of its validation must be on file in the Office of the Registrar by the last day to register for classes during the semester or summer term of graduation. Any hours remaining after the residency requirement for the SAU campus has been met must be completed at an accredited senior institution.

A maximum of six hours of religion will be accepted for degree credit if approved by the appropriate dean.

To be admitted to SAU, transfer students must be eligible to re-enter the college or university they last attended.

Transfer credit policies may be modified. For current policies call the Student Success Office at (870) 235-5212.

Transfer students who hold the associate of arts degree from a two-year Arkansas institution: In 1994, the presidents and chancellors of Arkansas public institutions of higher education approved a comprehensive articulation agreement to assist students who hold an associate of arts degree from a two-
year college in Arkansas to move smoothly into public four-year universities in Arkansas.

In accordance with the agreement, satisfactory completion, at a public two-year college in Arkansas, of an associate of arts degree designed for transfer will be accepted as satisfying the general education requirements at Southern Arkansas University. This agreement does not address specific degree requirements, such as major or minor courses, outside of the general education component. Students planning to transfer should choose elective courses based on the specific degree requirements at the institution from which they expect to receive the baccalaureate degree. Students who hold the associate of arts degree with a cumulative grade point average of 2.0 or higher on a 4.0 scale will be accepted for transfer subject to the following conditions:

1. The associate of arts degree must include the following 46 semester hours of course work:
   - English Composition 6
   - Arts and Humanities (including 3 hours of survey of literature) 9
   - Speech 3
   - College Algebra (or higher math) 3
   - Natural Science (biology/physical science/lab) 8
   - Health/Physical Education 2
   - Social Sciences* 15
   *(including 3 hours of U.S. history or government; 3 hours of survey of civilization; and at least 3 semester hours in two of the following areas: psychology, sociology, economics, geography, political science, or anthropology)

2. Remedial course grades will not be computed in the cumulative grade point average for purposes of admission to a four-year institution.

3. Courses taken to satisfy the Associate of Arts degree requirements must have a grade of C or higher to transfer to a four-year institution.

4. Degree and program requirements (catalog rights) for students who transfer from a two-year institution to a four-year institution under this agreement will be determined in the same manner as if their initial enrollment had been at the four-year institution.

5. Participating institutions will provide all other participating colleges and universities with current copies of catalogs and curricular requirements as they are published.
6. Calculation of the overall grade point average for purposes of graduation and awarding of honors is left to the discretion of the institution granting the degree or award.

**International Students Admissions**

Students from outside the United States must submit

1. Evidence that they are academically eligible to attend universities in their own country
2. Evidence that their ability to read, write, speak, and understand English is sufficient to enable them to profit from their courses
3. Evidence that they have adequate financial resources for their university education
4. Evidence that they have and will continue to have adequate medical insurance during their enrollment at SAU

The English language requirement of SAU will be met when the applicant has

1. Submitted proof of a score of 500 or higher on the written TOEFL
2. Submitted proof of a score of 173 or higher on the computerized TOEFL
   or
3. Completed Level 109 at an ELS Language Center or its equivalent

In addition, new international undergraduate students must take a placement exam during their first registration to assess their English skills and enable proper advisement into an appropriate English course. International students who have not previously taken the ACT or SAT must take the residual ACT prior to registration for classes. Scores will only be used for placement purposes.

When international students have been officially admitted to Southern Arkansas University, a Form I-20, properly signed, will be sent to them.

Completed applications must reach the University by June 1 for students planning to enroll for the fall semester, October 15 for those planning to enroll for the spring semester, and March 1 for those planning to enroll for summer sessions. A $25 fee must accompany each application. **This fee is non-refundable.**

**Pre-Payment Policy for International Students:** Government regulations and banking practices change as countries attempt to meet domestic and foreign needs in the world economy. Sometimes these changes make it difficult or impossible for students attending SAU to transfer funds in a timely manner to pay for their educational expenses. Any delay results in international students
arriving without the ability to pay for their expenses. This situation is unfair both to students and to the University.

Twice each year the International Student Office will review the situation in each country from which applications are received and will prepare a list of countries that are having difficulty with transfers of funds out of their country. This list will be sent through channels to the President for approval.

Students coming from countries on this list will be required to prepay one full semester prior to arrival.

**Non-Degree Student Status**

An individual who wishes to take college courses for credit but who does not necessarily intend to earn a degree may be admitted to the University as a non-degree student by permission following an interview with the director of admissions. Admission as a non-degree student does not require the submission of transcripts or ACT scores. Non-degree students receive college credit for work successfully completed at SAU; but, if they decide to work toward a degree, they must complete a Change of Status Form at the Office of Admissions for conversion to regular student status and satisfy all entrance requirements for a regular student. The non-degree student classification is especially useful for the adult who wishes to take some college work for personal enrichment or job-related benefits. Students are encouraged to contact an advisor after 24 hours of work as a non-degree student for consultation on whether to change to regular student status. Non-degree students taking a math or English course must take the ACT (preferred) or SAT test for placement. Non-degree students who carry a full load are subject to placement in the Academic Opportunities Program.

**Requirements Which May Not Be Delayed**

Full-time students must complete the following five graduation requirements at the time prescribed below:

1. Full-time students whose ACT test scores fall into any of the categories listed below must enroll in the appropriate General Studies reading, writing, and math every semester until they have successfully completed these courses.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading</td>
<td>18 and below</td>
</tr>
<tr>
<td>English</td>
<td>18 and below</td>
</tr>
<tr>
<td>Mathematics</td>
<td>18 and below</td>
</tr>
</tbody>
</table>

2. All full-time students must enroll in a writing course each semester until they have completed ENGL 1123, English Composition II.
3. All full-time students must enroll in a mathematics course each semester until they have completed MATH 1023, College Algebra.

4. All students will be notified of the requirement to take the Collegiate Assessment of Academic Proficiency (CAAP) examinations during the semester in which they have completed between 45 and 60 credit hours, excluding developmental course work. Any student who falls into this category, including a transfer student, will not be allowed to register for future semesters until these tests have been taken. For more information, please contact the Office of Counseling and Testing or call (870) 235-4145.

The English portion of the CAAP (Writing Skills and Essay) serves as the test of English proficiency for students seeking a baccalaureate degree or an associate degree in nursing at SAU.

5. All SAU students, except those who already have a baccalaureate degree, must, as a graduation requirement, demonstrate English proficiency by passing either (a) the English portion of the Collegiate Assessment of Academic Proficiency (Writing Skills and Essay) or (b) Review Composition (ENGL 1603) on the SAU-Magnolia campus.

a. Collegiate Assessment of Academic Proficiency (CAAP)

   Students meet the English proficiency requirement by passing the English portion of the CAAP (Writing Skills and Essay) taken by all students during the semester in which they have 45-60 hours or—in the case of students who transfer to SAU-Magnolia after they have earned 60 hours—during their first full-length semester at SAU-Magnolia. Students may pass the English portion by either of the following: scoring at least 3 on the composite essay and at least 60 on the writing skills test or scoring at least 4 on the composite essay. Students who have taken the CAAP Writing Skills and Essay examination at another institution prior to enrolling at SAU must transfer those scores with an official report of the CAAP results to the Office of the Registrar at SAU during their first semester of enrollment at SAU.

b. Review Composition

   Students who fail to make the requisite scores on the English portion of the CAAP must enroll in Review Composition (ENGL 1603) on the Magnolia campus of SAU no later than the second full-length semester following the semester in which they are required to take the CAAP. Students in Review Composition will be given an opportunity to demonstrate proficiency during the first week of class. They must score 70% or higher on the objective English Proficiency Test AND
write a supervised, impromptu paper rated as passing by two English department faculty members. Those students who satisfy the proficiency requirements in the first week of class may withdraw from Review Composition. Those who do not pass that first-week testing procedure must successfully complete Review Composition by fulfilling all course requirements—including passing one of the departmental exams and, by the end of the semester, consistently writing papers at an acceptable level.

**Academic Bankruptcy**

An undergraduate student who has not been enrolled in any college or university for a period of at least three years (36 months) immediately preceding the intended enrollment at Southern Arkansas University may file for academic bankruptcy. The student must apply for and declare academic bankruptcy at the time of admission to SAU or within the first semester or term of enrollment. The following criteria will apply:

1. The Academic Bankruptcy Policy will be limited to semesters or terms completed during any consecutive 12-month period.

2. The student will forfeit the use of all college or university credits earned during any declared academic bankrupt semester or term.

3. A declaration of Academic Bankruptcy may be exercised once in a student's academic career, and the declaration is final and irreversible.

4. A student who declares Academic Bankruptcy must be an undergraduate student seeking the initial undergraduate degree.

5. The notation "Academic Bankruptcy" and the date will be noted on the student's permanent record for each declared academic bankrupt semester or term.

6. The credits will appear on the student's permanent record or transcript, but no courses in any declared academic bankrupt semester or term will be used in computing the student's grade point average.

7. Policies related to Academic Bankruptcy pertain only to Southern Arkansas University, Magnolia, and may not be honored by other universities for admittance to undergraduate programs, admittance to graduate schools, or admittance to professional schools.

8. All semesters or terms, including any semester or term of declared academic bankruptcy, will count toward athletic certification.
9. In regard to financial aid history, accumulated semester and award limits include all semesters of enrollment, including any semester of declared academic bankruptcy.

10. All semesters or terms, including any semester or term of declared academic bankruptcy, will be included in the computation of the student's cumulative grade point average for academic honors.

11. In regard to VA certification, accumulated semester and award limits include all semesters of enrollment, including any semester of declared academic bankruptcy.

12. A student who declares Academic Bankruptcy will be subject to all University policies.

To request Academic Bankruptcy, a student must submit a petition for Academic Bankruptcy and all transcripts of prior college or university work to the Office of Admissions at the time of application for admission to SAU or within the first semester or term of enrollment. After reviewing all records to determine that the student has met the three-year period of non-enrollment, the director of admissions will verify the request, counsel the student, and forward the student's folder to one of the following individuals:

1. Dean of student's intended major if the student has 30 hours or more of transfer credit.

2. Academic Advising and Assistance Center if the student has fewer than 30 hours of transfer credit or is undecided on a major and has fewer than 46 hours of transfer credit.

An additional copy of the Petition for Academic Bankruptcy will be forwarded to the registrar by the director of admissions.

Any petition for an exemption to the criteria as stated above will be directed to the Academic Suspension Appeals Committee.

High School Cross Enrollment

High school students who meet the prescribed criteria (outlined below) adopted by the State Board of Higher Education (SBHE) and are recommended by their high school principal or superintendent may enroll in university courses while in high school when the combined enrollments do not exceed a normal academic load.

Each student must meet the SBHE-adopted criteria stated under either I or II below:

I. Presentation of standardized test scores and high school grades:
A. Score at the 80th percentile or higher on national norms on that portion of the ACT, PSAT, or SAT related to the subject matter area of the course(s). (Have a composite score at the 80th percentile if the subject matter is not related to a portion of one of these tests.)

B. High school grades of either:
   1. A grade point average of 3.50 or higher (on a 4.00 scale) in high school courses in the subject matter. For ninth grade students, courses in the previous two school years shall be included.
   or
   2. An overall grade point average of 3.50 or higher (on a 4.00 scale). For ninth grade students, courses in the previous two school years shall be included.

II. Individual evaluation based on other performance criteria:

Students may be selected through a process determined to be appropriate by the high school principal or counselor and the SAU Office of Admissions and based on performance criteria which justify waiver of the standardized test scores and the grade point average criteria contained in I.A. and I.B. above.

To be considered under this program, a student must submit an Application for Admission and a letter of recommendation from the high school principal, superintendent, or counselor stating that the student meets all prescribed criteria.

Students applying for admission under provisions in item II above must provide a statement from the superintendent or principal outlining the selection process and performance criteria deemed to justify waiving the test score and grade point requirements. Southern Arkansas University reserves the right to determine whether the criteria meet the University's admissions standards.

State Minimum Core (Transfer Core)

The following material applies to students who may wish to transfer from SAU to another state institution. Act 98 of 1989 (Arkansas Code 6-61-218) provides that the State Board of Higher Education "shall establish in consultation with the colleges and universities a core of courses which shall apply toward the general education core curriculum requirements for baccalaureate degrees at state supported institutions of higher education and which shall be fully transferable between state institutions." The courses listed below constitute SAU's "State Minimum Core."

Students who transfer from SAU to another institution should note that courses not listed may not be transferable to other state institutions. Transfer credit also cannot be guaranteed by SAU when the total number of hours from any of the five designated categories exceeds the number listed for that category. Other
institutions within Arkansas are required to accept only 35 hours from SAU’s general education core. The following additional restrictions apply with regard to the "State Minimum Core."

Institutions may require additional general education courses for specific majors.

For example, institutions may require students majoring in math, engineering, science, and business to take higher math courses as part of the State Minimum Core.

Likewise, institutions may require students majoring in math, engineering, science, education, and health-related professions to take higher or specific science courses as part of the State Minimum Core.

**State Minimum Core Acceptable as General Education at Southern Arkansas University**

<table>
<thead>
<tr>
<th>SAU Course Names</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English/Composition (6 hours)</strong></td>
<td></td>
</tr>
<tr>
<td>ENGL 1113 Composition I, and</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1123 Composition II</td>
<td>3</td>
</tr>
<tr>
<td><strong>Fine Arts/Humanities (9 hours)</strong></td>
<td></td>
</tr>
<tr>
<td>ART 2013 Introduction to Fine Arts: Art</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2213 Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2223 Literature II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 2013 Introduction to Fine Arts: Music</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2403 Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td><strong>Mathematics (3-5 hours)</strong></td>
<td></td>
</tr>
<tr>
<td>MATH 1023 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1045 Pre-calculus Mathematics</td>
<td>5</td>
</tr>
<tr>
<td>MATH 1525 Calculus I</td>
<td>5</td>
</tr>
<tr>
<td><strong>Natural Science – (8 hours)</strong></td>
<td></td>
</tr>
<tr>
<td>A. Biological, one selected from the following:</td>
<td></td>
</tr>
<tr>
<td>BIOL 1013/1011 Invertebrate Zoology/Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1023/1021 Vertebrate Zoology/Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1033/1031 General Botany/Lab</td>
<td>4</td>
</tr>
<tr>
<td>BSCI 1013/1011 The Biological Sciences/Lab</td>
<td>4</td>
</tr>
<tr>
<td>and</td>
<td></td>
</tr>
<tr>
<td>B. Physical, one selected from the following:</td>
<td></td>
</tr>
<tr>
<td>CHEM 1013/1011 General Chemistry I/Lab</td>
<td>4</td>
</tr>
</tbody>
</table>
CHEM 1023/1021 University Chemistry I/Lab 4
GEOL 1003/1001 Physical Geology/Lab 4
PHSC 2023/2021 The Physical Sciences/Lab 4
PHYS 2003/2001 General Physics I/Lab 4
PHYS 2203/2201 University Physics I/Lab 4

Social Science  – (9 hours)
(3-6 hours of history, 3-6 hours of other social science)
3 hours selected from the following:
  HIST  2013 History of the United States to 1876  3
  HIST  2023 History of the United States since 1876  3
  PSCI  2003 American Government: National  3

and
6 hours selected from the following:
  ECON  2003 Principles of Macroeconomics  3
  GEOG  2003 Introduction to Geography  3
  HIST  1003 History of Civilization to 1700  3
  HIST  1013 History of Civilization since 1700  3
  HIST  2013 History of the United States to 1876  3
  HIST  2023 History of the United States since 1876  3
  PSCI  2003 American Government: National  3
  PSYC  2003 General Psychology  3

either
  SOC   1003 General Anthropology  3
or
  SOC   2003 Introduction to Sociology  3

Continuing Education
The University recognizes the special needs and problems of non-traditional adult learners through a program of on-campus and off-campus night classes, workshops (organized upon request), short courses, and non-credit community service activities. A greatly simplified admissions procedure is available for non-credit students and for non-degree seeking credit students.

Continuing Education Unit (CEU) credit is awarded in University-approved classes and workshops to those who do not register for academic credit. "One CEU is ten contact hours of participation in an organized continuing education experience under responsible sponsorship, capable direction, and qualified instruction" according to the Council on the Continuing Education Unit. The CEU is a uniform, nationally recognized unit of measure acceptable to many associations and professional societies which require continuing education experiences as a certification requisite.

Registration
After being admitted to the University, each student must register for courses at the time designated by the University. The student is responsible for the accuracy of the registration schedule, which should correspond with planning a program of study and meeting the requirements of graduation.

No credit will be granted for courses for which the student has not been duly registered.

No credit will be granted for a course for which the prerequisites have not been fulfilled. It is the student’s responsibility to complete the prerequisites for every credit course before enrolling in it.

The last day a student will be allowed to register is the Wednesday of the second week of classes of a regular semester or the third day of the first week of a summer session. Students entering late (after the regular registration period) must pay a $25 late registration fee and may be required to take a reduced class load.

A student’s registration is incomplete until all admissions requirements are met and all fees have been paid.

**Change of Registration**
A student’s schedule may be changed during the first six days of classes of a regular semester or the first three days of a summer term, subject to the approval of the advisor and the payment of a $10.00 fee.

**Dropping a Course**
A student may drop a course without penalty until the end of office hours on Wednesday of the tenth (10th) week of a regular semester or Wednesday of the third (3rd) week of a summer term subject to the approval of the advisor and the payment of a $10.00 fee. A student who drops a course after these deadlines will receive a grade of WF (withdrawal with failure), except for circumstances beyond the student’s control which are approved by the registrar. A grade of WF is computed in the grade point average as an F.

A student who stops attending class but does not officially withdraw will receive a grade of F in the course.

A student receiving VA benefits will be governed by Veterans Administration regulations regarding the dropping of courses and should contact the Office of the Registrar for information. Other agencies furnishing financial assistance to a student may have regulations affecting the dropping of courses which differ from those of the University policy.

**Withdrawing from the University**
A student who chooses to leave the University for any reason must officially withdraw. The withdrawal process is not complete until a withdrawal card has been obtained from the Office of the Dean of Students and completed by each administrative area listed. Any student who preregisters and saves a schedule must follow this withdrawal process.

If a student withdraws from the University from week 11 through week 15 of a semester or week four of a summer session, a grade of W will be given for each course the student is passing at the time of the withdrawal, or a WF will be given if the student is failing. Exceptions to this policy may be made in the case of illness or some other valid reason.

A student may not officially withdraw from the University during the two final weeks of a semester or during the final week of a summer term, except for documented circumstances beyond the student’s control and approved by the Vice President for Academic Affairs. All other appeals must be approved by a committee of the Vice President for Academic Affairs, the Vice President for Administration and Finance, and the Vice President for Student Affairs. A grade of W will be given for each course the student is passing at the time of the withdrawal, or a WF will be given if the student is failing.

**Academic Advising**

Although each student is responsible for planning a course of study and fulfilling the requirements for graduation, faculty advisors must be consulted at all levels.

All students with fewer than 30 hours will be advised through the Academic Advising and Assistance Center (AAAC). Students who have 30 to 45 hours and who have not declared a major are also advised through the AAAC. Undecided students with 46 or more hours will be referred to the Office of Counseling and Testing.

After completing 30 hours and declaring a major, students will be assigned an advisor in the school of their major. Any student seeking a degree (associate's, bachelor's, or master's) from SAU must work with that advisor to develop an official degree plan, which must then be approved by the dean of the appropriate school. Failure to complete this process may hinder or jeopardize the student's completion of the requirements for a degree and graduation.

A student seeking an associate's degree should file a degree plan by the time 30 credit hours have been completed. If seeking a bachelor's degree the student should file a degree plan by the time 60 credit hours have been completed.

The Office of the Registrar approves and maintains the official approved degree plan. A transfer student must have transcripts and records evaluated by the
appropriate dean prior to their initial registration and enrollment in classes at SAU.

**Auditing Courses**
In order to audit a course, a student must have completed the admission requirements, obtained the approval of the instructor, and made payment of fees for the course. Although subject to the same regulations as regular students, students auditing a course do not have to take examinations nor do they receive credit for the course. Students may audit a course after completing it for credit, or they may take a course for credit after previously auditing it.

**Course Symbols**
The course numbers of the regular university courses contain four digits. The first digit generally indicates the student classification. The second and third indicate the particular course, and the fourth is indicative of the number of credit hours earned by completing the course.

- 0000 - 0999 Courses open to freshmen and above*
- 1000 - 1999 Courses open to freshmen and above
- 2000 - 2999 Courses open to sophomores and above
- 3000 - 4999 Courses open to juniors and seniors
- 5000 - 5999 Graduate courses cross-referenced with undergraduate courses
- 6000 and up Courses open to graduate students only

*Credit earned in these courses may not be applied to the total credit hours required for a degree.

**Classification**
The classification of students is as follows:
- **Freshman** - A student who has earned fewer than 30 semester hours.
- **Sophomore** - A student who has earned 30 to 59 semester hours.
- **Junior** - A student who has earned 60 to 89 semester hours.
- **Senior** - A student who has earned 90 or more semester hours.

**Credit Hours and Maximum Load**
The unit of credit at the University is the semester credit hour. A semester credit hour is defined as the credit earned upon completion of one hour per week in class for one semester, or two or three hours of laboratory, shop, or field work per week per semester.

A student must be enrolled for 12 or more semester credit hours during a regular semester or five or more semester credit hours during a five-week summer term to be defined as a full-time student. Any other student is considered a part-time student.

A student may not enroll (including correspondence courses, off-campus internet courses, and other off-campus enrollment) for more than 18 credit hours.
in a regular semester or six credit hours in a summer term without prior written approval.

A student with a cumulative grade point average of 3.00 or higher may request approval from the dean of the school in which the student is majoring to take an overload (for additional hours). This request may be denied because of the student's academic history or because of accreditation standards.

The maximum class load for a student with less than a 3.00 cumulative grade point average is 18 hours in a regular semester or six hours in a five-week summer term, unless special permission has been granted by the dean of the school in which the student is majoring. This limit for all academic work includes credit earned by any of the following means: in residence, correspondence courses, on-line courses, extension courses, and by concurrent enrollment at another college or university.

**Credit by Examination**
Southern Arkansas University permits students believing that they are competent in an area, regardless of where or how competency was acquired, to challenge the CLEP Subject Examinations. Students must have completed all admission requirements and register for resident credit before CLEP credit may be reflected on their transcripts. Official test transcripts from CLEP must be on file in the SAU Office of Counseling and Testing before credit can be awarded.

A student who has earned a scaled score equal to or greater than the cut-off score on a particular CLEP examination will be awarded credit for the course for which the CLEP test is to be substituted. The equivalent course name, number, and hours credit for the course will be placed on the student's transcript. No grade will be assigned.

SAU will accept only CLEP Subject Examinations which have been approved for credit by the Academic Affairs Committee. SAU does not accept credit for any CLEP General Examinations.

The advisor, department chair, and the dean of the school in which the student is majoring, as well as the chair of the department and the dean of the school in which the course is offered, must approve CLEP credit. A student must meet all prerequisites for a course before attempting CLEP credit in that course.

No more than 15 semester hours credit (30 hours for nursing students under Act 88) toward the associate degree and no more than 30 semester hours credit toward the baccalaureate degree including Advanced Placement, CLEP, correspondence, extension, and/or on-line courses, departmental credit by examination, and military credit will be accepted. A maximum of 12 consecutive semester hours by correspondence, extension and/or on-line courses
may be submitted, after which the student must earn at least six semester hours in residence.

CLEP is not awarded for courses in which the student is currently enrolled or courses which the student has already attempted (*attempted* is defined as having received a grade in the course according to the University’s grading system, including *A*, *B*, *C*, *D*, *F*, *I*, *W*, *WF*, *P*, *CR*, and *NC*).

CLEP credit is not considered residence credit. **At least 24 of the last 30 hours presented for a degree must be earned in residence.**

All CLEP examinations must be completed and the official scores filed in the Office of the Registrar prior to the student’s final semester before graduation (August 1 for fall graduation, December 1 for spring graduation, and May 1 for summer graduation).

**Independent Study**
Independent study is coursework that may be available and is not listed in the regular course offerings. For information on the availability of independent study, a student should contact the chair of the department involved.

**Correspondence and On-line Coursework for Non-residence Credit**
Students may receive approval for credit by correspondence or on-line courses (provided that such courses are offered through regionally accredited colleges or universities) when both the appropriate school dean and the vice president for academic affairs agree that special needs or unusual circumstances exist. The advisor, department chair, and dean of the school in which the student is majoring, as well as the chair of the department and the dean of the school in which the course is offered must approve correspondence or on-line credit. Correspondence credit will not be accepted if the student has previously failed the course either in residence or by extension or by correspondence.

A maximum of 12 consecutive credit hours may be earned by correspondence, extension, and/or on-line courses, after which the student must earn at least six semester hours in residence.

No more than 15 semester hours credit (30 hours for nursing students under Act 88) toward the associate degree and no more than 30 semester hours credit toward the baccalaureate degree including Advanced Placement, CLEP, correspondence and on-line courses, departmental credit by examination, and military credit will be accepted.

Students who have one or more correspondence and/or on-line courses in progress may not register for a full class load in a summer session without the written permission of the vice president for academic affairs.
Candidates for graduation must have official correspondence and/or on-line course transcripts on file in the SAU Office of the Registrar by the following dates:

- November 1 for December graduation;
- April 1 for May graduation;
- July 1 for August graduation.

**Veterans Administration Benefits**

Southern Arkansas University is approved by the State Approving Agency for Veterans as a university whereby veterans and dependents of deceased or disabled veterans may obtain benefits while working toward a degree. Eligible students should contact the Office of the Registrar to obtain information regarding school attendance under the following programs: Title 38, Chapter 30, Montgomery GI Bill for veterans; Title 38, Chapter 32, Veterans Educational Assistance Program (VEAP); Title 38, Chapter 35, Survivors and Dependents Education; and Title 10, Chapter 106, Montgomery GI Bill for Selective Reserves.

All students must be working toward a degree and should follow the curriculum outline for their objectives, since only specific courses may be applied toward VA certification and graduation. The Office of the Registrar is available to assist students concerning VA benefits.

**Credits for Military Educational Experiences**

Military experiences (MOS and Service Schools) will be evaluated upon presentation of a certified copy of the Discharge Form DD214 to the Office of the Registrar. The student asking for the evaluation must be currently enrolled at SAU. Credit is awarded in accordance with recommendations set forth by the *Guide to the Evaluation of Educational Experiences in the Armed Services* published by the American Council on Education (ACE). For further information, call the Office of the Registrar at (870) 235-4031.
Servicemembers Opportunity College (SOC)
Because of its efforts to serve the educational needs of servicemembers and their dependents, SAU has been designated a Servicemembers Opportunity College. As a member of the SOC, SAU has committed itself fully to support and comply with Servicemembers Opportunity College principles and criteria. For further information, call the Office of the Registrar at (870) 235-4031.

Grading System
Southern Arkansas University, Magnolia, uses the grading system of A, B, C, D, and F. The letters have the following significance:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points per Semester Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>indicates excellent work</td>
</tr>
<tr>
<td>B</td>
<td>indicates good work</td>
</tr>
<tr>
<td>C</td>
<td>indicates satisfactory work</td>
</tr>
<tr>
<td>D</td>
<td>indicates minimum passing work</td>
</tr>
<tr>
<td>F</td>
<td>indicates failing work</td>
</tr>
</tbody>
</table>

Other grades that may be recorded are AU, audit; CR, credit; I, incomplete work; NC, non-credit; P, pass; W, withdrawal with passing work; and WF, withdrawal with failure. (NC grades may be assigned only in remedial courses and Composition I.)

An incomplete grade may be given only for illness or other circumstances beyond the student's control and must be removed prior to the week before final examinations of the next semester or it will be treated as an F grade.

A WF is computed as an F in the grade point average, but a W is not computed in the grade point average.

In each regular semester, mid-semester grades may be picked up in the Office of the Registrar. A final grade report is mailed after the close of each semester and summer term to the student's permanent address. In the event an error in computation is made in determining a semester grade, and it is submitted to the Office of the Registrar in error, the instructor shall have a maximum of three weeks from the date of the beginning of the next term to initiate a correction of the error. After this date no grade changes will be processed except in the case of a student’s appeal.

Grade Point Average
The grade point average is used to determine a student's academic rating at any given time. The grade point average is obtained by multiplying the number of grade points awarded for each grade by the credit hour value for the course. Then the total number of grade points received for all SAU courses is divided by the total number of hours attempted at SAU. (For example: If a student has earned 34 grade points on 12 semester hours attempted, the grade point average
EXAMPLE: A student enrolls in five courses (twelve credit hours) as follows:

<table>
<thead>
<tr>
<th>CH</th>
<th>Grade</th>
<th>CH x GP</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL</td>
<td>3</td>
<td>A (3x4)</td>
<td>12</td>
</tr>
<tr>
<td>HIST</td>
<td>3</td>
<td>B (3x3)</td>
<td>9</td>
</tr>
<tr>
<td>MATH</td>
<td>3</td>
<td>C (3x2)</td>
<td>6</td>
</tr>
<tr>
<td>HS</td>
<td>2</td>
<td>C (2x2)</td>
<td>4</td>
</tr>
<tr>
<td>PHED</td>
<td>1</td>
<td>B (1x3)</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>12</td>
<td></td>
<td>34</td>
</tr>
</tbody>
</table>

Semester grade point average: \( \frac{34 \text{ GP}}{12 \text{ CH}} = 2.833 \)

CH = Credit Hours
GP = Grade Points

Grade Forgiveness
In order to receive credit for a course that was not completed successfully or to improve a grade point average, a course may be repeated. A grade of \( C \) or higher earned at another accredited institution will be entered on the SAU transcript, but the grade will not be used in calculating the cumulative grade point average. If a course is repeated at SAU, the grade earned the last time the course is taken will be used in calculating the cumulative grade point average. Only 24 semester hours of coursework can be repeated to improve a grade point.

In order to have a grade forgiven by repeating a course, the student should complete a Repeat Slip during the registration process or at the Office of the Registrar before the end of the semester in which the class is repeated.

Class Attendance
A student's academic program should be regarded as an obligation. Regular and punctual class attendance is expected from each student. An individual who is absent from a class should contact the instructor. If the cause of the absence is found to be acceptable, as defined in the Student Handbook 2.10.1, the instructor shall not penalize the student for the excused absence.

If a student is absent from a class more than the equivalent of one week of instruction (more than three days for MWF class, during a regular semester, for example) those absences will be reported to the dean of students. The dean will then send the student a notice of pending action. The student is advised to contact the instructor as soon as this notice has been received. Ten calendar days after the report is submitted by the instructor during a regular semester or after seven calendar days during a summer session, a student may be dropped from the class for excessive unexcused absences at the request of the instructor.
If this occurs, a grade of *WF* (withdrawal with failure) will be given for the course.

**Student Grade Appeal Policy**

If a student believes an error in a grade has occurred, the student shall formally initiate a review of the grade no later than three weeks after the beginning of the next regular semester. (Summer terms are excluded from the phrase “regular semester” for the purposes of this provision.)

The first step of the process is for the student to verify with the instructor the accuracy of the recorded grade-book scores and the listed grade. If the instructor also happens to be the chair of the department or the dean of the school, this step also initiates the formal appeal process.

If the grade differences are not resolved through discussion with the instructor, and the student seeks additional mediation, during the first three weeks of the next semester the student must submit a letter to the chair of the appropriate department requesting a review. A copy of this letter must also be sent to the school dean and to the vice president for academic affairs. The chair has the responsibility to confer with the instructor concerning the documentation of the grade for its completeness and accuracy. The chair will notify the student of the grade status in writing within 10 days of receiving the student's request.

If the student wishes further appeal, the student must submit to the school dean, by mid-term, a written request for formal review. A Grade Appeal Committee will conduct a hearing and recommend a decision. The Committee will be composed of the following:

1. A Student Government Association representative of the school in which the grade is challenged (one of the four student representatives eligible to serve.) The representative will be appointed by the Student Government Association president.

2. A Faculty Senate representative of the school in which the grade is challenged. The representative will be appointed by the Faculty Senate president.

3. The dean of the school. (If the dean is not available, then the vice president for academic affairs is the third member of the panel.)

At the hearing, the instructor and the student may both make individual presentations, and the Grade Appeal Committee may ask questions and seek clarification. A final written decision will be provided by the Committee. If a grade is to be changed, the final grade will be recorded by the dean. This procedure shall be completed by the end of the semester in which the grade is appealed.
Transcripts
A university transcript is a complete and unabridged academic record. It is used to communicate information concerning a student from one institution or agency to another. The University prepares and issues three categories of transcripts.

Official - This transcript is issued directly from SAU to another educational institution or employer.

Official - Issued to student - This transcript is stamped "Issued to Student."

Advising - This transcript is used by the student and advisor to plan a program of study. It can be requested by the student or advisor in the Office of the Registrar but is released only to the advisor.

The two types of official transcripts must be requested by the student in the Office of the Registrar.

Academic Standards
To be in good academic standing, students must maintain the following standards:

<table>
<thead>
<tr>
<th>Hours Attempted</th>
<th>Required Cumulative Grade Point Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-29</td>
<td>1.50</td>
</tr>
<tr>
<td>30+</td>
<td>2.00</td>
</tr>
</tbody>
</table>

A student who does not earn the required cumulative grade point average according to the number of semester hours attempted will be placed on academic probation. A student who has been placed on academic probation will have until the end of the next regular semester to show significant improvement in grades or be suspended from school. Significant improvement shall be defined as follows:

<table>
<thead>
<tr>
<th>Total Hours Attempted (including probationary semester)</th>
<th>Grade Point Average in Probationary Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-29</td>
<td>1.75</td>
</tr>
<tr>
<td>30+</td>
<td>2.00</td>
</tr>
</tbody>
</table>

If a student has been suspended because of academic reasons, the student will not be allowed to register for classes or attend the University for one full semester, excluding mini-session and summer terms. After one semester, the student may return to the University on a probationary status. The student must
make significant improvement and meet the standards defined in the probationary section above. If improvement does not occur, the student will be suspended for one year from the date of the second suspension. After one year, the student may seek readmission on probation. Failure to earn at least 2.00 grade point average during the returning semester will result in academic dismissal.

A student who believes there are extenuating circumstances which justify early readmission may submit a written appeal to the Office of the Vice President for Academic Affairs at least two weeks prior to the beginning of the semester for which readmission is sought. The Academic Suspension Appeals Committee will review the case and make a recommendation to the vice president for academic affairs.

**Credit earned while on academic suspension from any university, including SAU, will not be accepted by SAU.**

**Honors Program**

The faculty and administration at Southern Arkansas University fully understand that the students who enter the University possess diverse capabilities and come from a wide variety of backgrounds and experiences.

In order to give recognition to students for superior achievement, as indicated by scores on entrance examinations and grades of courses completed, SAU has an honors program consisting of Advanced Placement, Dean’s List, Graduation with Honors, Honors Classes, and Membership in Alpha Chi, a national honor scholastic society.

Advanced Placement: Advanced standing in one or more semesters of course offerings may be attained on the basis of high academic high school records (high school credit) and proficiency examinations in many departments. Interested students should consult their departmental advisors.

Dean’s List: Students who earn 12 semester hours or more on the Magnolia campus during a regular semester and earn a 3.50 grade point average or higher will be placed on the Dean’s List.

Graduation with Honors: A degree with honors will be conferred on a candidate (for the first baccalaureate degree only) who has a cumulative SAU grade point average of 3.50 or higher, provided at least 56 hours presented for graduation were taken in residence on the Magnolia campus. A student with a grade point average 3.50-3.74 will graduate *cum laude*, 3.75-3.89 *magna cum laude*, and 3.90-4.00 *summa cum laude*. Semester hours completed and grade points earned during the student’s last enrollment prior to graduation are excluded when academic honors for May and August graduates are determined.
Membership in Alpha Chi:  Election to membership in Alpha Chi, National Honor Scholastic Society, is the highest scholastic honor that may be achieved at Southern Arkansas University. Membership in the society is limited to juniors and seniors ranking within the upper 10 percent of their class who have been approved by a committee representing the faculty of the University.

Academic Integrity Policy
(The following Policy on Academic Integrity, developed by an ad hoc committee appointed by the Faculty Senate, was approved by the Faculty Assembly in 2000.)

Any act of dishonesty in academic work constitutes academic misconduct and is subject to disciplinary action. Acts of dishonesty include, but are not limited to, plagiarism and cheating.

A. Plagiarism
   Plagiarism is the act of taking and/or using the ideas, work, and/or writings of another person as one's own.
   1. To avoid plagiarism give written credit and acknowledgment to the source of thoughts, ideas, and/or words, whether you have used direct quotation, paraphrasing, or just a reference to a general idea.

   2. If you directly quote works written by someone else, enclose the quotation with quotation marks and provide an appropriate citation (e.g., footnote, endnote, bibliographical reference).

   3. Research, as well as the complete written paper, must be the work of the person seeking academic credit for the course. (Papers, book reports, projects, and/or other class assignments are not to be purchased from individuals or companies which provide these services.)

B. Cheating
   Cheating is an act of dishonesty with the intention of obtaining and/or using information in a fraudulent manner. Examples of cheating include:
   1. Observing and/or copying from another student's test paper, reports, computer files, and/or other class assignments.

   2. Giving or receiving assistance during an examination period. (This includes providing specific answers to subsequent examinees and/or dispensing or receiving information which would allow a student to have an unfair advantage in the examination over students who did not possess such information.)

   3. Using class notes, outlines, and other unauthorized information during an examination period.
4. Using, buying, selling, stealing, transporting, or soliciting, in part or entirety, the contents of an examination or other assignment not authorized by the professor of the class.

5. Exchanging places with another person for the purposes of taking an examination or completing other assignments.

**Discipline**

Teacher imposed penalties for plagiarism or cheating include, but are not limited to:

1. Requiring student(s) to rewrite/retake a graded item; the grade may be lowered.

2. Giving the student(s) a failing grade on the graded item.

3. Giving the student(s) a failing grade on the graded item and filing documentation of the offense in the Office of the Vice President for Student Affairs.

4. Giving the student(s) a failing grade in the course (F or WF) and filing documentation of the offense in the Office of the Vice President for Student Affairs.

5. Recommending University sanctions, including disciplinary suspension, dismissal, or expulsion from the University.

The penalty is suspension, dismissal, or expulsion for a second offense of academic misconduct in which a student is assigned a failing grade in a course or a failing grade on a graded item and documentation is filed with the Office of the Vice President for Academic Affairs.

Schools and departments may add to the above policy or take other disciplinary action which suits their particular needs.
Degree Requirements

Goals for General Education (revised 2000-2001)

As one means of attaining the general purposes of the University and of providing the student with a basic well-rounded education, all candidates for degrees shall complete prescribed general education courses. This program is designed to assist the student in attaining the following goals:

1. Communication – Students will communicate effectively to inform, understand, analyze, and persuade.

2. Critical Thinking – Students will demonstrate the ability to think logically and creatively to solve problems.

3. Science – Students will demonstrate an understanding of the methods of scientific inquiry, the fundamental concepts and applications of life and physical sciences, and their implications for the future.

4. Mathematics – Students will demonstrate an understanding of fundamental mathematical processes and show competence in quantitative skills through the ability to logically use mathematical models and techniques to solve problems.

5. Social Sciences – Students will demonstrate an understanding of the histories and philosophies of Western and Non-Western cultures and their relationships to diverse political, social, economic, and aesthetic values.

6. Fine Arts – Students will demonstrate an understanding of the creative process, aesthetic principles, and the historical and cultural perspectives of the fine and performing arts.

7. Values – Students will identify and examine their own values and those of other cultures to help them make informed ethical, personal, social, and professional decisions.

8. Health and Wellness – Students will identify and use activities and strategies that encourage the pursuit of healthy, functional, and productive living.

9. Technology – Students will demonstrate and understanding of the implications of technology for the future and will integrate evolving technological applications in the pursuit of life long learning.

10. Integrative Learning – Students will demonstrate an understanding of the relationships among academic disciplines.
Assessment reports on the way these goals are integrated into classes are available on the SAU webpage under “Academics” and “assessment.”

All degree-seeking students shall complete a minimum of 43 semester hours of general education courses. The number of hours to be completed in each academic area is listed below.

**Humanities:** 18 semester hours

**Composition** - 6 semester hours fulfilled by completing the following courses:
- ENGL 1113 Composition I
- ENGL 1123 Composition II

**Fine Arts/Foreign Languages** - 6 semester hours fulfilled by completing two of the following courses:
- ART 2013 Introduction to Fine Arts: Art
- MUS 2013 Introduction to Fine Arts: Music
- 3 hours Foreign language

**Literature/Philosophy** - 6 semester hours fulfilled by completing two of the following courses:
- ENGL 2213 Literature I
- ENGL 2223 Literature II
- PHIL 2403 Introduction to Philosophy

**Mathematics:** 3-5 semester hours selected from the following:
- MATH 1023 College Algebra
- MATH 1045 Pre-calculus Mathematics
- MATH 1525 Calculus I

**Natural Science:** 8 semester hours

**Biological Science** - 4 semester hours fulfilled by completing one of the following courses:
- BIOL 1013/1011 Invertebrate Zoology/Lab
- BIOL 1023/1021 Vertebrate Zoology/Lab
- BIOL 1033/1031 General Botany/Lab
- BSCI 1013/1011 The Biological Sciences/Lab

**Physical Science** - 4 semester hours fulfilled by completing one of the following courses:
- CHEM 1013/1011 General Chemistry I/Lab
- CHEM 1023/1021 University Chemistry I/Lab
- GEOL 1003/1001 Physical Geology/Lab
- PHSC 2023/2021 The Physical Sciences/Lab
- PHYS 2003/2001 General Physics I/Lab
PHYS 2203/2201 University Physics I/Lab

**Physical and Health Education:** 2-3 semester hours fulfilled by completing the following courses:
- HS 1403 Personal and Community Health
- or
- PHED 1501 Concepts of Physical Activity and Wellness
  plus one semester hour from PHED 1001-1491 (various activity courses)

Education majors are required by the State Department of Education to complete a minimum of six hours. Therefore, PHED 1501 and two activities are required along with HS 1403. Kinesiology majors meet this requirement with
- HKR 1113 Skills and Techniques I
- HKR 1123 Skills and Techniques II
- HKR 2113 Skills and Techniques III
- HKR 2123 Skills and Techniques IV
  and
- HS 1403 Personal and Community Health

**Social Sciences:** 12 semester hours fulfilled by completing the following (see notes below):

Requirement 1: 6 hours of history selected from the following:
- HIST 1003 History of Civilization to 1700
- HIST 1013 History of Civilization since 1700
- HIST 2013 History of the United States to 1876
- HIST 2023 History of the United States since 1876

Requirement 2: 6 hours selected from the following courses which are not required by the major or by the core curriculum:
- ECON 2003 Principles of Macroeconomics
- GEOG 2003 Introduction to Geography
- PSCI 2003 American Government: National
- PSYC 2003 General Psychology
- SOC 1003 General Anthropology
  or
- SOC 2003 Introduction to Sociology

**Notes**
1. Effective fall 2002, all students in bachelor degree programs must fulfill the world studies requirement as part of the general education core by completing one of the following courses:
   - HIST 1003 World Civilization to 1700
   - HIST 1013 World Civilization since 1700
   - GEOG 2003 Introduction to Geography
   - SOC 1003 Introduction to Anthropology
2. All candidates for degrees are required to have either three semester hours of United States history or three semester hours of American government.

3. All Professional Education graduates must have a minimum of three hours of United States history and three semester hours of American government to meet Arkansas teacher certification requirements.

4. PSYC 3013 Educational Psychology fulfills the PSYC 2003 General Psychology requirement for secondary education majors and students majoring in K-12 certification programs.

Southern Arkansas University recognizes the vital importance computer technology plays in the lives of the citizenry. Consequently, it is the goal of all academic undergraduate programs to have competency in computer technology as a requirement for graduation. This competency may be met and demonstrated in two ways: through completion of specific computer technology courses or through objectives included in other courses within specific disciplines.

**Completion of Curricular Requirements**

Successfully completing the English proficiency requirement by either passing the English portion of the CAAP or passing GSTD 1603 Review Composition is a graduation requirement for all students. Students may pass the English portion by either of the following: scoring at least 3 on the composite essay and at least 60 on the writing skills test or scoring at least 4 on the composite essay. Students take the CAAP during the semester in which they have 45-60 hours or—in the case of students who transfer to the University with more than 60 hours and who have not already taken the CAAP, including both the Writing Skills and Essay sections—during their first full-time semester of enrollment at the University.

**All full-time students are required to be enrolled in a writing course (developmental or composition) each semester until they have successfully completed ENGL 1123, Composition II.** All full-time students are also required to be enrolled in a mathematics course each semester until they have completed MATH 1023, College Algebra, or a higher mathematics course.

All students earning degrees from Southern Arkansas University must complete the General Education Requirements outlined above and the University Requirement stated below. They must also satisfy the major and minor requirements of the curricula in which they are enrolled and comply with any special requirements for their degrees. If the student's ACT scores are below 19 (or SAT equivalents), the student must also complete the appropriate Academic
Opportunities Program courses including GSTD 1002 Freshman Seminar (see below).

**University Requirement for All Programs**

Transfer students who have fewer than 24 semester hours and beginning freshmen who have ACT composite scores of 23 or lower must take GSTD 1002 Freshman Seminar in the first regular semester of enrollment (offered in fall and spring semesters). Transfer students who have fewer than 24 semester hours and beginning freshmen who have ACT composite scores of 24 or higher must take GSTD 1001 Honors Seminar in the first or second regular semester of enrollment (offered in fall semester only).

**Special Requirements for Each Degree**

1. **Bachelor of Arts**
   a. Completion of the second year of a foreign language.
   b. Completion of prescribed requirements in one of the following majors: art (studio or graphic design), biological science, chemistry, criminal justice, engineering-physics, English, history, mathematics, mass communication (broadcasting or print journalism), political science, psychology, sociology, Spanish, and theatre.

2. **Bachelor of Business Administration**
   a. Completion of the core curriculum in business and the prescribed major requirements in either accounting or business administration.
   b. For business administration majors, completion of a major area of emphasis in one of the following fields: computer information systems, finance, management, or marketing.

3. **Bachelor of Music Education**
   a. Completion of the proficiency examination in major and minor music areas.
   b. Presentation of prescribed number of recitals.
   c. Admittance to the Professional Education Program.
   d. Completion of prescribed requirements as outlined in the degree plan.

4. **Bachelor of Science**
   a. If the major is in the School of Science and Technology, the student must meet the following requirements: completion of a foreign language, mathematics, computer science, or statistics; and natural science requirements as specified by the major program.
   b. If the major is in the School of Liberal and Performing Arts, the student must meet the following requirements: completion of a computer science or statistics course; completion of a total of six credit hours chosen from the natural sciences, computer science, or computer
information systems; and completion of requirements specified by the major program.
c. Completion of the prescribed requirements in one of the following majors: agriculture-business; agricultural education; agricultural science; biological science; chemistry; computer science; criminal justice, engineering-physics; general science; industrial technology; mathematics; medical technology; psychology; human performance, recreation, and community services; and sociology.

Students wishing to earn a bachelor of science degree and also receive a teaching certificate must meet all subject major, subject minor, and professional requirements listed under the corresponding bachelor of science in education degree.

5. **Bachelor of Science in Education (inclusive early childhood and middle level programs)**
   a. Admittance to the Professional Education Program.

6. **Bachelor of Science in Education (secondary education program)**
   a. Admittance to the Professional Education Program.
   b. Completion of a subject area major which is the same or essentially the same as the non-education major in the same subject area.
   c. Completion of the prescribed major and a supporting field, where required, in one of the following areas: agriculture, art, biological science, business education, chemistry, English, general science, mathematics, kinesiology, physical science, physics, social studies, or Spanish. Supporting fields are also available in French and journalism.

7. **Bachelor of Science in Nursing**
   a. The applicant must be an RN with an associate degree or a diploma RN to apply to the program.
   b. Completion of the prescribed requirement in one of the following areas: geropsychiatric nursing, critical care nursing, ambulatory care nursing.

8. **Bachelor of Social Work**
   a. Completion of a foreign language (six hours at the university level).
   b. Completion of a computer information systems or computer science course.
   c. Completion of the prescribed requirements specified by the major program.

9. **Associate Degree**
   Specific requirements for each associate degree are described in the appropriate sections of this catalog.

**Credit Requirements**
Anyone earning a baccalaureate degree from Southern Arkansas University must complete a minimum of 124 semester hours of credit. Of the 124 hours presented for a degree, 40 semester hours must be earned in the courses numbered 3000 or above (except in the Bachelor of Applied Science degree program where 24 hours are required). Not more than four semester hours in any one activity nor more than a total of six hours of activity credit may be counted toward graduation. Band, choir, Encore, instrumental ensembles, jazz band, orchestra, physical education activity courses, SAU Singers, and theatre dance are classified as activities.

Anyone transferring to SAU to enroll in courses leading to graduation will be required to earn at least 15 hours of credit in the major and 9 hours of credit in the minor in residence or through SAU extension. This regulation is binding even though the student has sufficient hours of credit to meet the requirements of the major and minor. A student transferring into the School of Business Administration must complete at SAU at least 50 percent of the business credit hours required for the business degree. A student seeking a Bachelor of Applied Science degree must complete 15 hours of professional development at SAU.

**Residence and Scholarship Requirements**

To earn a degree from SAU, a student must complete a minimum of 30 semester hours on the SAU campus or through SAU extension classes. Of the last 30 hours taken, 24 hours must be taken on the SAU campus or through SAU extension classes. The only exception is for seniors who have already met the 30 hour residence requirement. During the last 30 hours of coursework, these students may take a maximum of 12 semester hours at SAU-Tech, if these hours do not cause the student to exceed the transfer limit of 68 hours. For a business degree, students must complete at least 50 percent of the business credit hours at SAU.

CLEP, correspondence course credits, departmental credit by exam, and military credits do not count as residence work at SAU. Students who wish to receive credit toward graduation during their final semester or summer term through CLEP, correspondence courses, departmental exam, military credit, or transfer credit must have permission from their advisor, dean, and the registrar. The approval form may be obtained in the Office of the Registrar. Students taking courses off-campus the semester or summer term of graduation must furnish the SAU Office of the Registrar verification of enrollment in off-campus courses within 10 days of enrollment in the off-campus courses. Failure to provide this information will cancel the application for graduation.

If there are hours earned in any way other than regular enrollment at SAU or through SAU extension courses during the last semester or summer term, it is the student's responsibility to have an official transcript sent to the Office of the Registrar at SAU. The transcript must be received within 10 days after
graduation or the student will be required to reapply for graduation at a later date.

Documentation for CLEP credit, correspondence credit, and departmental credit by examination must be completed and on file in the Office of the Registrar by the following deadlines.

**CLEP**
- August 1 for December graduation
- December 1 for May graduation
- May 1 for August graduation

**Correspondence**
- November 1 for December graduation
- April 1 for May graduation
- July 1 for August graduation

**Departmental Exam**
- Last day to drop a course each semester or summer term

A grade point average of 2.00 or higher on all SAU course credit is required to earn a degree. Certain programs may require a higher minimum grade point average. Of the total hours earned toward graduation, no more than 25 percent may be D grades.

**Degree Plans**
For a student seeking a bachelor's degree, a degree plan is to be filed in the Office of the Registrar after the completion of 60 semester hours. The plan should be approved by the dean of the appropriate school.

For a student seeking an associate degree, a degree plan is to be filed in the Office of the Registrar after the completion of 30 semester hours.

**Length of Time to Complete Degree**
The requirements for graduation listed in the catalog in effect when a student initially enters college, whether the college of initial entry is SAU or another institution, are valid for eight years. Any student who fails to complete the graduation requirements in that time will then come under the regulations of the most recently published catalog.

Returning students are given the option of abiding by the requirements of their original catalog (assuming they are able to complete their degree within eight years from the time of initial enrollment into college) or by the most recently published catalog of SAU. No student can expect to take more than eight years to graduate under the catalog in effect at the time of initial enrollment into college. Exceptions to this eight year requirement may result from actions taken
by authorities external to the University such as accrediting associations or state agencies. Requests for a time extension of the eight-year policy should be submitted to the vice president for academic affairs.

**Assessment**

The assessment program—directed by an Assessment Committee with faculty, student, and staff representatives—is a unified effort by the entire University to assess student learning. The assessments include the CAAP Collegiate Assessment of Academic Proficiency, classroom assessments, senior exams or projects, and alumni surveys. In the assessment of student learning, academic units consider their mission and goals, measure of student achievement, and make changes to enhance student performance. Further information is available on the SAU webpage under Academics and Assessment.

**Applying for Graduation**

The ultimate responsibility for completion of a degree program rests with the student. Lack of knowledge or misinterpretation of policies and regulations by students does not absolve them from fulfilling the requirements of a degree.

The University has two commencement ceremonies each year, one in May and one in August. To become a candidate for May graduation, a student must apply for graduation during advance registration in the fall semester. To become a candidate for August or December graduation, a student must apply for graduation during advance registration in the spring semester. An up-to-date degree plan must accompany the application for graduation. A $50.00 late fee is assessed for candidates applying late for graduation.

Applying for graduation includes

1. Completing the application for graduation form in the Office of the Registrar
2. Submitting an updated degree plan
3. Paying the graduation fee at the Business Office when other semester fees are paid
4. Settling all financial and other obligations with the University.

Failure to complete any step of this process may result in postponement of graduation.

Candidates for degrees must participate in the commencement exercises unless excused by the vice president for academic affairs. A candidate who
wishes to graduate *in absentia* should submit a written request to the vice president for academic affairs at least two weeks before the commencement date.

A candidate who fails to graduate on the date stated on the application must complete a new application form during registration for the semester or term in which the degree will be completed. Reapplications for August graduation will be accepted during registration for the first summer term only.

Failure to apply for the degree or pay the graduation fee will result in the postponement of the degree.

**Earning More Than One Degree**
A student may earn an additional baccalaureate degree provided all requirements are met for the additional degree. At least 30 semester hours in addition to the requirements for the first degree must be earned after the additional degree plan is officially filed at the Office of the Registrar. Of the additional 30 hours, 24 hours must be earned in residence. The student must satisfy all degree requirements of the additional degree and complete any general education requirements mandated by the state. Two baccalaureate degrees may be earned simultaneously. Separate degree plans will be maintained by the respective deans.

A student who has earned an associate degree may earn an additional associate degree by completing all requirements for the additional degree and completing at least 15 semester hours, 12 of which must be in residence, after the first degree was awarded.

**Double Majors**
A student may earn double majors by completing all of the requirements for any two approved majors. Any course required in both majors will be double counted (*i.e.*, counted in both majors) as approved by each dean. The student should have a separate degree plan filed in the Office of the Registrar for each major. When a student earns two majors, a minor will not be required.
Costs and Finances

Since Southern Arkansas University is supported chiefly by legislative appropriations, the fees which the student pays constitute slightly less than 30 percent of the actual cost of one's education. Fees charged by the University are to defray, in part, the expense involved. Payment for tuition, books, and other fees may be made in cash; by check; by Visa, MasterCard, or Discover credit cards; or a student's account may be credited by scholarships and other financial aid awards.

The University administration reserves the right to increase the costs of tuition, fees, and room and board without advance notice if it is necessary to do so in order to meet increasing costs.

Out-of-State Tuition Waiver
Out-of-state tuition for students living in Texas, Louisiana, or Oklahoma, and for children of SAU graduates living anywhere is waived when these students choose to live in University residence halls. The out-of-state waiver form is available in the SAU Business Office and must be submitted each semester.

Arkansas Taxpayer Waiver
Bona fide Arkansas income taxpayers and their dependents who reside in one of the eligible counties or parishes of an approved state may enroll at any qualifying Arkansas public institution of higher education and receive the out-of-state tuition waiver.

In order to get the non-resident fee waived, the following criteria must be met:

1. Dependent student or parent must provide a W-2 or verification of Arkansas earnings of $5,500 or more for the prior tax year.

2. Student and parent must live in one of the following counties or parishes.

   Louisiana: Claiborne, Union, or Webster Parish
   Mississippi: Coahoma or Tunica County
   Missouri: Barry, Dunklin, McDonald, Oregon, Ozark, Pemiscot, Ripley, or Taney County
   Oklahoma: Delaware, LeFlore, McCurtain, or Sequoyah County
   Tennessee: Dyer, Shelby, or Tipton County
   Texas: Bowie County

The Waiver of Non-resident Fees form is available in the SAU Business Office and must be submitted each semester. For more information about this waiver, call (870) 235-4019.
Arkansas Residents Aged 60 or Above
Act 678 of 1975 provides for tuition free enrollment in academic credit courses for all Arkansas residents aged 60 or above on a "space available" basis upon proof of age. Enrollment options include credit registration (grade and transcript record), audit (no grade but a transcript record), or non-credit (no grade, no transcript record).

Refund Policies for Title IV Withdrawals
When Title IV recipients withdraw on or after the first day of class during the period of enrollment for which they were charged, the University must determine the amount of Title IV funds a student has earned. This calculation is done in accordance with Federal Title IV guidelines. If the student has not been in attendance long enough to earn all of the awarded aid, the student may have to repay some of the unearned aid.

Institutional Refund Policy
During a regular academic semester, the tuition is refundable to the student who officially withdraws from the University on the following basis.

- Classes in session 1 through 10 class days ................. 80%
- Classes in session 11 through 15 class days ............... 60%
- Classes in session 16 through 20 class days ............... 40%
- Classes in session 21 through 25 class days ............... 20%

Summer school tuition is 80% refundable until classes have been in session two days, after which the refund decreases 20% for each two days classes are in session.

No refunds are made on room and board payments except under those conditions which are stated in the housing contract.

Scholarships and Other Financial Aid
Recognizing that many prospective students of ability and promise need help in meeting their post-secondary expenses, the University makes every effort to encourage and assist them by providing scholarships, grants-in-aid, student loans, and student employment to those who meet established criteria.

Regardless of the type of financial aid desired (loans, grants, on-campus employment), all applications and requests for information should be addressed to the Office of Financial Aid, Southern Arkansas University, P.O. Box 9344, Magnolia, Arkansas 71754-9344. To insure that funds are available on a timely basis, all complete and correct forms must be submitted to the Office of Financial Aid by July 1 for the fall semester, November 1 for the spring semester, and April 1 for the summer semester.
Scholarships
A number of academic scholarships are awarded each year to beginning freshmen who have not been enrolled in any post-secondary institution following their high school graduation and whose past academic records indicate outstanding dedication and ability. A student may be eligible for one academic scholarship with full resident tuition value and one theatre or art performance scholarship with half resident tuition value under the SAU scholarship policy. A recipient of both academic and music performance scholarships receives the greater of the following:

1. Full amount of the academic scholarship and the value of the music performance scholarship up to the amount of other University charges appearing on the student's account for fees, room and board, and University Bookstore charges for academic books and supplies for the current semester.

2. One academic scholarship and one music performance scholarship with half resident tuition value.

Presidential Scholarships
An eligible student who has a composite ACT score of 30 or above (or SAT equivalent) or has been named a National Merit or a National Achievement finalist or semi-finalist may apply. The award covers resident tuition, room and board in University residence halls each semester, and a $500 stipend. The scholarship is renewable for seven semesters provided the recipient maintains at least a 3.00 cumulative grade point average and completes at least 15 semester hours on the Magnolia campus each semester. The priority deadline is March 15; but, if funds are available, scholarship applications will be considered through August 15 for the fall semester and January 5 for the spring semester.

Foundation Scholarships
An eligible student who has a composite ACT score of 27-29 (or SAT equivalent) may apply. The scholarship covers resident tuition plus room and board in University residence halls each semester. The scholarship is renewable for seven semesters provided the recipient maintains at least a 3.00 cumulative grade point average and completes at least 15 semester hours on the Magnolia campus each semester. The priority deadline is March 15; but, if funds are available, scholarship applications will be considered through August 15 for the fall semester and January 5 for the spring semester.

Alumni Scholarships
An eligible student who has a composite ACT score of 24-26 (or SAT equivalent) may apply. The scholarship covers resident tuition plus $150 and is renewable for seven semesters provided the recipient maintains at least a 3.00
cumulative grade point average and completes at least 15 semester hours on the Magnolia campus each semester. The priority deadline is March 15; but, if funds are available, scholarship applications will be considered through August 15 for the fall semester and January 5 for the spring semester.

**Achievement Awards**
An eligible student who has a composite ACT score of 21-23 (or SAT equivalent) may apply. The award is for $600 each semester and is renewable for seven semesters provided the recipient maintains at least a 3.00 cumulative grade point average and completes at least 15 semester hours on the Magnolia campus each semester. The priority deadline is March 15; but, if funds are available, scholarship applications will be considered through August 15 for the fall semester and January 5 for the spring semester.

**Valedictorian and Salutatorian Scholarships**
An eligible student who has a composite ACT score of 20-23 (or SAT equivalent) and who graduated as valedictorian or salutatorian of an accredited high school may apply. The scholarship covers resident tuition plus $150 and is renewable for seven semesters provided the recipient maintains at least a 3.00 cumulative grade point average and completes at least 15 semester hours on the Magnolia campus each semester. The priority deadline is March 15; but, if funds are available, scholarship applications will be considered through August 15 for the fall semester and January 5 for the spring semester.

**Renewal of Alumni, Foundation, Presidential, and Valedictorian and Salutatorian Scholarships and Achievement Awards**
Scholarships are renewed provided that recipients maintain at least a 3.00 cumulative grade point average and complete at least 15 semester hours of credit on the Magnolia campus each semester. Students who fail to achieve the minimum cumulative grade point average will be dropped from the scholarship program for the next full-length semester. However, if students complete a minimum of 15 semester hours on the Magnolia campus during the ineligible semester and raise their cumulative grade point average to at least a 3.00, their scholarships may be reinstated one time, if the students are otherwise eligible. Students who fail to complete 15 semester hours will be dropped from the scholarship program for the next full-length semester. However, if students complete a total of 30 semester hours on the Magnolia campus during the ineligible semester and the preceding regular semester, their scholarships may be reinstated one time, if the students are otherwise eligible. The ineligible semester will be counted against the total semesters for which the scholarship is provided.
Two-Year College Scholarships
An eligible student who has a cumulative grade point average of 3.00 or higher on all work attempted and who has an associate degree or 48 transferable hours from a community/technical college may apply. These scholarships are competitively awarded annually. Each scholarship covers resident tuition for two academic years (four semesters) provided the student completes 15 semester hours on the Magnolia campus each semester and maintains at least a 3.00 cumulative grade point average.

Leadership Awards
An eligible student with at least a 3.00 cumulative grade point average in high school and an ACT composite score of 20 who is recommended by the high school principal or counselor as a leader may apply. The scholarship is for $600 per semester for two semesters as long as the recipient completes at least 12 semester hours on the Magnolia campus each semester with at least a 2.50 cumulative grade point average. The recipient is expected to participate in Leadership Academy in August prior to fall registration. The priority deadline is March 15; but, if funds are available, scholarship applications will be considered through June 15.

Minority Student Leadership Awards
An eligible student of minority descent who has at least a 3.00 cumulative grade point average in high school, has an ACT composite score of 20, and is recommended by the high school principal or counselor as a leader may apply. Early application is recommended because of limited funding. The scholarship covers resident tuition and is renewable through the sophomore year provided the recipient maintains at least a 2.50 cumulative grade point average and completes at least 12 semester hours on the Magnolia campus each semester. The recipient is expected to participate in Leadership Academy in August prior to fall registration.

Departmental Scholarships
Sophomores, juniors, and seniors who have maintained at least a 3.00 cumulative grade point average and completed at least 12 semester hours each semester at SAU may apply for a departmental scholarship to the academic department of their major by April 15. These scholarships are competitively awarded annually and provide resident tuition for one year. Students are eligible to reapply provided they maintain at least a 3.00 cumulative grade point average and complete at least 12 semester hours on the Magnolia campus each semester. Academic departments may have additional criteria for determining eligibility for these scholarships.

Non-traditional Student Scholarships
A student who has been out of high school at least five years and has completed at least one full-time semester of college work with at least a 2.75 cumulative grade point average may apply by April 1. The scholarship provides resident
tuition and is awarded competitively each year. The recipient must maintain at least a 2.75 cumulative grade point average and complete at least 12 semester hours on the Magnolia campus each semester.

**Art Scholarships**
A high school student with at least a 2.50 cumulative grade point average may be eligible for an art scholarship if approved by the chair of the department. The scholarship has a value of the resident tuition and may be continued through subsequent semesters, providing the recipient maintains at least a 2.50 cumulative grade point average, completes at least 12 semester hours on the Magnolia campus each semester, and continues to be recommended by the department.

**Music Performance Scholarships**
A high school student with at least a 2.00 cumulative grade point average may be recommended for a performance scholarship in band, choir, organ, or piano after an audition for the faculty member in the area of the student's talent. Only full-time students may receive performance scholarships, and a student may receive only one such scholarship. The scholarship award is variable and may be continued through subsequent semesters providing the recipient maintains at least a 2.00 cumulative grade point average, completes at least 12 semester hours on the Magnolia campus each semester, and continues to be recommended by the faculty in the area of participation.

**Theatre Scholarships**
High school students with talent in theatre who have at least a 2.00 cumulative grade point average audition for theatre faculty members in the area of their talent may be eligible for scholarships in acting or technical theatre if they are full-time students. The scholarship has a value of the resident tuition and may be continued through subsequent semesters providing the recipient maintains at least a 2.00 cumulative grade point average, completes at least 12 semester hours on the Magnolia campus each semester, and continues to be recommended by the faculty in the area of participation.

**Athletic Scholarships**
Male baseball, basketball, and football athletes and female basketball, cross country, softball, and volleyball athletes are eligible to compete for athletic scholarships when recommended by the coach in the area of their talents. For further information, contact the Director of Athletics, Southern Arkansas University, P. O. Box 9301, Magnolia, Arkansas 71754-9301.

**Rodeo Scholarships**
Students who are members of the rodeo team may be eligible for scholarships if recommended by the team sponsor. For information, contact the sponsor of the rodeo team, Southern Arkansas University, P. O. Box 9418, Magnolia, Arkansas, 71754-9418.
Endowed Scholarships (Restricted)
There are several endowed scholarships which are restricted by the donor as to department, level, amount, etc. These are awarded by the department or other appropriate member of the University staff to conform to the wishes of the donor.

Other Financial Aid Sources
All undergraduate and graduate students who are U.S. citizens or resident aliens and need financial assistance to attend Southern Arkansas University in addition to that provided by their family must apply through the need analysis for Federal and state student aid each year. Applications currently used are available in high school counselors' offices and the University's Office of Financial Aid after January 1 of each year. It takes approximately four to six weeks for these applications to be processed. Southern Arkansas University offers electronic filing of the financial aid application. Students who wish to take advantage of electronic filing must complete the form and send it to the Office of Financial Aid.

Students will be considered for one or more of the following types of aid administered by the University with the submission of the approved need analysis provided they are in good standing and make satisfactory academic progress according to the Academic Progress Policy for Students Receiving Federally Funded Student Financial Aid and have good records as members of the student body.

Grants
Grants are awarded on the basis of family income of the previous year and are need based. Grants are available only to undergraduate students. Grant funds are not repaid unless the student does not complete the term and owes a repayment; however, if the grant is based on incorrect information, it must be repaid.

1. Federal Pell Grants provide funds to undergraduate students for educational expenses after high school.

2. Federal Supplemental Educational Opportunity Grants provide additional funds for students with exceptional need who otherwise would not be able to attend college.

3. Arkansas Student Assistance Grants provide supplemental funds through state appropriations for needy Arkansas residents as demonstrated with the approved need analysis.

Loans
Loans are considered self-help funds since they must be repaid.
1. The Federal Perkins Loan program is a long-term, low-interest loan program administered on campus for students with established need who also meet other eligibility criteria.

2. The Federal Stafford Loan (formerly the Guaranteed Student Loan) program is a need-based subsidized loan program with funds being provided by a private lender and guaranteed by federal law. SAU must certify a demonstrated financial need by using federal guidelines. Unsubsidized Stafford Loans are available, and the family contribution is not considered when determining eligibility.

3. Federal PLUS Loans are available to parents of dependent students. Funds are provided by private lenders for educational expenses and the applications may be obtained from participating lenders or the Office of Financial Aid.

Student Employment
Over 1,000 students work on campus every year to meet part of their college expenses. While work on campus may be part of the Federal student aid award package for some students, there are also campus jobs available for students who do not qualify for Federal financial aid. Job availability notices are listed in the Student Employment Office.

The Student Employment Office assists currently enrolled students in finding on-campus employment. Students may review descriptions of current job openings submitted by faculty and staff. Training is provided to help students develop skills for the workplace. Students register with the office by completing an application form.

Current students who are interested in part-time off-campus employment are also assisted. These students register by completing part-time application forms. The Student Employment Office is located in Nelson Hall, room 212. The office may be reached by calling (870) 235-5115.

Additional Financial Aid Sources
The Arkansas Department of Higher Education (ADHE) administers financial aid programs for Arkansas undergraduate students that include Arkansas Academic Challenge Scholarships, Arkansas Student Assistance Grant Program, Governor's Scholars Program, and Emergency Secondary Education Loan Programs.

Vocational Rehabilitation provides some financial assistance to persons who have permanent disabilities.
Bureau of Indian Affairs (BIA) Higher Education Grant/Loan program provides supplemental money to assist with educational expenses for students with at least one-fourth degree Indian blood.

The MIA/KIA Dependent Scholarship Program and The Law Enforcement Officer's Dependents Scholarship Program provide supplemental funds for dependents of Arkansas residents who are missing in action or were killed in action.

For more information on any of these sources contact the Office of Financial Aid, Southern Arkansas University, P. O. Box 9344, Magnolia, Arkansas 71754-9344.

**Student Affairs**

The Student Affairs Division is designed to provide experiences, activities, and services to assist SAU students in performing at the maximum level. Included in this division are the services of orientation, admissions and records, housing and dining services, counseling and testing, health service, student employment, career planning, multicultural services, and student activities. These services are under the direction of the vice president for student affairs.

The Student Affairs Committee, composed of students, faculty, and staff, is considered the major governing body in making, advising, and recommending major non-academic policies pertaining to student life at Southern Arkansas University.

**Summer Advising**

Southern Arkansas University provides summer advising for beginning freshmen and transfers. Students who fulfill all admission requirements will receive a card from the University informing them to contact the Academic Advising and Assistance Center for an appointment to be advised and to register for the fall semester.

**New Student Orientation**

New student orientation, Mulerider Round-up, occurs the Sunday, Monday, and Tuesday prior to the first day of fall semester classes. Sunday's activities provide new students and their parents the opportunity to meet SAU upperclassmen, SAU administration, and participate in a departmental fair. Monday and Tuesday focus on the incoming SAU students with mini courses in diversity, safety, student activities, and computers where students receive their Internet address. Spring Mulerider Roundup occurs the Tuesday prior to the first day of spring semester classes. Evening social events add to the excitement with entertainment and cookouts. All activities are designed to give incoming SAU students a warm welcome and a great start to a successful college career.
Campus Housing

Prospective students are encouraged to secure housing application forms as early as possible by writing to the Office of Student Life or by calling (870) 235-4041. A residence hall space will be reserved for any student who is officially admitted to the University and who has the following credentials on file:

1. Completed Application for University Residence Halls along with a $50 housing deposit, and
2. Completed Application for Admission form.

When the University receives the above credentials, students will be sent official acknowledgments of their reservations from the Office of Student Life. Hall assignments are made in the order received. Students will be notified of residence hall assignments prior to the opening of the semester in which they enroll. In no case will confirmed room reservations be held for students after the opening day of classes unless special permission has been granted to the student by the Office of Student Life prior to this date.

A housing application or contract is for one of four specified periods:

1. The entire academic year (fall and spring semesters),
2. Spring semester only,
3. First summer session,
4. Second summer session.

A housing application and/or contract may be canceled and the housing deposit refunded when written notification of desire to cancel is received by the Office of Student Life on or before August 1 for an entire academic year (fall and spring semesters) contract, January 1 for a spring semester only contract, May 1 for a first summer session contract, and June 1 for a second summer session contract. If a student who has submitted an application for housing does not enroll or does not cancel in writing before the above dates, the deposit will be retained by the University.

Each student room is furnished with two single beds, two desks, two chairs, two dressers, two closets, and a sink. Students are expected to bring towels, sheets for a single bed, blanket, pillow, pillowcases, and a telephone. Use of appliances for the preparation of food in residence hall rooms is not permitted, but kitchen facilities are available in some halls. A wireless internet server is located in each hall providing internet access to each room. A telephone connection and basic cable-TV services are provided in each room. A 235-xxxx telephone number is assigned to each room so that students can receive calls directly to their room. In order to make long-distance calls, students can use a personal calling card or the Southern Arkansas University ACUS program. Students are prevented from making certain types of direct dial calls, such as
10-10-xxx, 1-900, and international calls. Students are responsible for any telephone charges incurred on their behalf and billed to the University.

**Housing Regulations**

Students at SAU are under both University regulations and housing regulations. University regulations provide that all full-time enrolled single undergraduate students must live in one of the University residence halls or with their parents. However, single undergraduate students 21 years or older, undergraduates with 60 or more hours, or veterans with two years’ active duty service may live in housing of their own selection. Married students and part-time students who are employed full time in the community may select housing that meets their particular needs without application or special arrangements. Attendance at the University is contingent upon compliance with these regulations. Any exception to these policies must be determined through a personal conference with the dean of students.

**Bussey Hall**, a three-story facility, is air-conditioned and provides 100 rooms for upperclasswomen. A TV room and music/meeting room are located in the main lobby. With carpeted hallways, each floor has a kitchenette, two laundry rooms, and two bathrooms with showers and tubs.

**Graham Hall Annex**, located at the north end of the campus, is air conditioned and provides 46 rooms. Each room is equipped with lavatories, ample closet space, built-in chests of drawers, and study desks. Laundry and bathroom facilities are located on the first and third floors.

**Greene Hall** provides 105 rooms for freshmen. The completely air-conditioned building has a snack room and a laundry room. Bathrooms are located on each floor.

**Harrod Hall**, providing 99 rooms for freshmen women, is a completely air-conditioned three-story building. A glassed-in lobby faces a patio. A TV lounge and snack room are located on the first floor. Each floor has a laundry room, four bathrooms, and carpeted hallways.

**Talbot Hall East** provides 30 rooms for upperclasswomen and is completely air-conditioned. A snack room and a laundry room surround the main lobby. Bathrooms and small lounges are located on each floor.

**Talbot Hall North** provides 33 rooms for upperclassmen and is completely air-conditioned. The main lobby is surrounded by a snack room and a laundry room. Bathrooms are located on each floor.

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**Talbot Hall West** provides 30 rooms for upperclassmen and is completely air-conditioned. The main lobby is surrounded by a snack room and a laundry room. Bathrooms and small lounges are located on each floor.

**Talley Hall** is a modern, three-story building, which is completely air-conditioned, and provides 96 rooms for upperclassmen. A snack room and a laundry room are located off the main lobby. Bathrooms are located on each floor.

**University Health Service**
The Student Health Service is open Monday through Friday from 7:30 a.m. to 4:00 p.m. Some of the services provided include emergency or first aid treatment, blood pressure checks, allergy injections, general health evaluation, and doctor's appointments. Most of the services are free to all students. If an emergency arises after clinic hours, students should notify the resident assistant on duty in their residence hall.

**Tutoring Center**
Free tutorial services are offered in the Tutoring Center. Students experiencing difficulty in course work are assisted by peer-tutors under the direction of the tutor coordinator. The center is open during the fall and spring semesters.

**Writing Center**
The Writing Center offers assistance free of charge to writers in any discipline at any stage of the writing process. The center is staffed by trained student writing consultants who are supervised by an English faculty member; it is open during the fall and spring semesters.

**Student Activities**
Activities play an important role in the development of students at Southern Arkansas University. Participation in activities is recognized as vital training for a university student, and SAU has 70 student organizations that sponsor activities and functions.

Eligibility for membership in organizations is based on interest and, in some cases, academic achievement. The organizations are classified under seven major headings: recognition and honor societies, special interest groups, departmental and professional organizations, religious organizations, student government, hall councils, and social fraternities and sororities. Additional information on these organizations as well as information on how to get involved or how to start a new organization is available in the Office of Student Activities (870-235-4925).

**Departmental and Professional Organizations**
- Ag Club - Collegiate FFA
- *The Bray* (student newspaper)
- Accounting and Finance Society
- Chamber Singers
Cheerleaders
Concert, Marching, and Jazz Bands
Emerging Writers
Encore
French Club
Kappa Kappa Psi
Lambda Epsilon Iota (Criminal Justice)
Mule.org
New Masters Fine Arts Club
Phi Alpha Delta (law)
Phi Alpha Theta (history)
Phi Beta Lambda (business)
Rodeo Team
SIFE (Students in Free Enterprise)
Spanish Club
Student Arkansas Education Association
Student Marketing Association
SWEL (Social Work Education Leaders)
Symphonic Wind Ensemble
Tau Beta Sigma
University Sociology Club

**Hall Councils**
Bussey Hall Council
Greene Hall Council
Harrod Hall Council
Talbot Hall Council
Talley Hall Council

**Recognition and Honor Societies**
Alpha Chi
Alpha Tau Alpha
Kappa Delta Pi (education)

**Religious Organizations**
Association of Baptist Students
Baptist Collegiate Ministry
Chi Alpha Campus Ministries
Missionary Baptist Student Fellowship
Wesley Foundation

**Special Interest Groups**
ADAPT (Alcohol and Drug Abuse Prevention Team)
Black Students’ Association
Cheerleaders
College Republicans
International Student Association
Non-Traditional Student Organization
President’s Ambassadors

**Student Government**
Inter-Fraternity Council
Inter-Greek Council
Pan-Hellenic Council
Panhellenic Council
Residence Hall Association
SAB (Student Activities Board)
Student Government Association
Student Organization Presidents’ Roundtable
Social Fraternities and Sororities
The University has seven national social sororities and seven national social fraternities. Membership in these fraternities and sororities is by invitation only.

Fraternities
- Alpha Phi Alpha
- Kappa Alpha Psi
- Omega Psi Phi
- Phi Beta Sigma
- Phi Lambda Chi
- Sigma Pi
- Sigma Tau Gamma

Sororities
- Alpha Kappa Alpha
- Alpha Sigma Alpha
- Delta Sigma Theta
- Phi Mu
- Sigma Gamma Rho
- Sigma Sigma Sigma
- Zeta Phi Beta

Publications
The University has two student publications produced entirely by students. *The Bray* is the weekly newspaper published throughout the academic year. *The Mulerider* is the University's yearbook and is distributed to all full-time students.

Both publications offer students opportunities for professional practice and some paying jobs. All students are eligible to apply for positions on the staff of either publication.

SAB (Student Activities Board)
The Student Activities Board has the responsibility for planning and implementing activities for SAU students. Events include movies, dances, concerts, comedians, and noontime programs featuring touring artists as well as talented SAU students. Applications for membership to the SAB are available in the Office of Student Activities, located in room 205 of Bruce Center; the phone number is (870) 235-4925.

Sports Activities
Sports activities are organized in a comprehensive program for individual and group participation and competition. Intramural activities for men and women, as well as co-educational activities, are sponsored throughout the university year. Competition is held in badminton, basketball, table tennis, softball, swimming, tennis, touch football, track and field, volleyball, and water basketball.

Men's varsity teams compete in the NCAA Division II Gulf South Conference in baseball, basketball, cross-country, football, golf, and track and field.

Women students have varsity teams in basketball, cross-country, softball, tennis, track, and volleyball.
Men's and women's rodeo teams participate in regional and intercollegiate competition.

**Intramural Sports**
The SAU Department of Intramural Sports endeavors to meet a wide range of student needs in recreation and sports activities. The intramural program offers students the opportunity to participate in intramural events; intramural competitions; and, for those who have interests in particular areas, the newly developed Club Sports Program.

The program's primary purpose is to benefit and enrich students in their college experience by improving physical and mental fitness, promoting development of interests and lifetime skills in a variety of activities, offering a socially enriching way of spending leisure time, providing an opportunity for socialization, emphasizing ethics, and helping students gain positive recognition.

The intramural program offers several employment opportunities for students that will allow them to gain hands-on experience in officiating and in organizing several team and individualized sports. The program works hand-in-hand with the Department of Health, Kinesiology, and Recreation and serves as an arena for its majors to develop their interests and skills.

**Counseling Services**
The University provides free and confidential professional counseling to all students through the Office of Counseling and Testing. Appointments may be made Monday through Friday either in person or by calling (870) 235-4145.

**Personal Counseling:** Counseling which focuses on personal and emotional concerns as they affect personal goals, academic progress, and relationships with others is available at the Office of Counseling and Testing.

**Educational Counseling:** Counseling is available which focuses on issues related primarily to academic difficulty. Organizational skills, time management, study skills, final examination preparation, and test anxiety reduction are among the topics which may be covered on either an individual or group basis.

**Career Counseling:** The SAU career planning program is designed to assist students in exploring career opportunities. The program includes individual counseling, résumé preparation, and interview techniques. The Office of Counseling and Testing maintains a career resource library containing career exploration materials and information on graduate school opportunities. Career planning is also facilitated through DISCOVER, a guidance and information system that helps students in values clarification, the gathering of occupational information, and the development of strategies for achieving appropriate
occupational and professional goals. The office also offers a College Catalog Collection available on a microfiche reader/printer.

**Self-Esteem Building:** The Office of Counseling and Testing teaches self-esteem building as a support unit within the GSTD 1002 Freshman Seminar course. Individual and group seminars are also conducted on this topic. Anyone interested in this program may contact the Office of Counseling and Testing.

**Testing Services**
The SAU Office of Counseling and Testing is a national testing center which administers tests for scholarships, credit by examination, graduate and professional schools, and teacher certification. Students interested in obtaining information for the following tests are encouraged to come by the Office of Counseling and Testing: Allied Health Professions Admissions Test (AHPAT), American College Test (ACT), College Level Examination Program (CLEP), Dental Admission Test (DAT), Graduate Management Admission Test (GMAT), Graduate Record Examination (GRE), Law School Admission Test (LSAT), Medical College Admission Test (MCAT), Miller Analogy Test (MAT), PRAXIS I and II, Optometry Admission Test (OAT), Pharmacy College Admission Test (PCAT), Pre Professional Skills Test (PPST), Test of English as a Foreign Language (TOEFL), and Veterinary Aptitude Test (VAT).

**ADAPT**
ADAPT (the SAU Alcohol and Drug Abuse Prevention Team) operates a program promoting the prevention of alcohol and other drug abuse. This program provides many activities and awareness programs to facilitate its purpose. The program can be reached by calling (870) 235-4145 or by stopping by the Office of ADAPT.

**Office of Multicultural Student Services**
Southern Arkansas University is committed to providing opportunities for students coming from all backgrounds by developing and utilizing the talents of an increasingly diverse population. The University’s mission is to prepare students to live and work in a new environment and, in so doing, strengthen both the fabric of our society and our connections with each other. Activities of the Office of Multicultural Student Services include coordinating campus-wide efforts to increase the retention and graduation rates of minority students by stressing the importance of adequate academic preparation for college; providing a nurturing environment on the campus; informing about financial aid opportunities; offering personal support and advocacy programs and services; providing and promoting multicultural programs focusing on awareness and appreciation of the history of minority groups; and providing advice, counseling, and encouragement for individuals and groups. The office also assists faculty, staff, and students with securing multicultural programs and resources and with academic and support strategies that will help minority students to adjust.
Project Pal: Project Pal is a campus mentor program consisting of student mentors who serve as friends, advisors, coaches, and role models to African-American beginning freshmen and transfer students. For more information contact the director in the Office of Multicultural Services or call (870) 235-4046.

Office of Disability Support Services
The Office of Disability Support Services assists students who have disabilities to gain access to its programs and activities on campus. Reasonable accommodation is provided under section 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act of 1990. Anyone needing assistance from SAU due to a disability may contact the ADA Compliance Coordinator at the Office of Counseling and Testing or may call (870) 235-4145.

ADA (Americans with Disabilities Act) Grievance Procedure: Southern Arkansas University has adopted an internal grievance procedure providing for prompt and equitable resolution of complaints alleging any action prohibited by the U.S. Department of Justice regulations implementing Title II of the Americans with Disabilities Act. Title II states, in part, that "no otherwise qualified disabled individual shall, solely by reason of such disability, be excluded from the participation in, be denied the benefits for, or be subjected to discrimination" in programs or activities sponsored by a public entity.

Complaints should be addressed to:

ADA Compliance Coordinator
Office of Counseling and Testing
P. O. Box 9371
Magnolia, AR 71754-9371
(870) 235-4145

1. A complaint should be filed in writing, contain the name and address of the person filing it, and briefly describe the alleged violation of the regulations.

2. A complaint should be filed within five days after the complainant becomes aware of the alleged violation.

3. A preliminary investigation of the complaint to determine if evidence exists that warrants further inquiry shall be made by the ADA compliance coordinator who shall then refer the complaint to the appropriate vice president for further investigation. This process provides for informal but thorough investigations affording all interested persons and their representatives, if any, an opportunity to submit evidence relevant to the complaint.
4. A written determination of the validity of the complaint and a description of
the resolution, if any, shall be issued by the ADA coordinator and a copy
forwarded to the complainant no later than 15 days after its filing.

5. Files and records related to the complaints filed shall be maintained by the
ADA coordinator.

6. A reconsideration of the case may be requested by the complainant in
instances where he or she is dissatisfied with the resolution. The request
for reconsideration should be made within 10 days to the Faculty-Staff
Appeals and Human Rights Committee who will report its findings to the
president. The decision of the president will be the final University action
on all grievances.

This entire process shall be constituted to protect the substantive rights of
interested persons to meet appropriate due process standards, and to assure that
Southern Arkansas University complies with the ADA in implementing
regulations.

Employment Resource Center
SAU students and alumni are assisted in their job searches by the Employment
Resource Center. Graduating seniors are encouraged to establish a file of
employment credentials and obtain recommendations from faculty members.
These credentials are kept on file in the Employment Resource Center for use in
securing employment upon graduation and in future years. The Employment
Resource Center is located in Nelson Hall, room 211, and may be reached by
calling (870) 235-4097.

Students visiting the Employment Resource Center receive assistance with the
preparation of resumes and employment application cover letters. Sources of
information for company research are available in the resource library. Job
interviews are scheduled for seniors, and notices of job opportunities are posted
on campus bulletin boards and on the Employment Resource Center’s web page.
During the spring semester, the Employment Resource Center sponsors a
teacher fair with area school districts and a career day with businesses,
industries, government agencies, and graduate schools.

Student Responsibilities
The University recognizes its responsibility to its students to provide an
environment which encourages leadership, instills the ideals of responsibility,
and develops those traits of character that are the generally accepted standards
of successful living.
Consequently, SAU expects students to conduct themselves as responsible
members of the University community. Students are obligated to assume
responsibility for their actions, to respect the rights of others, to conform to the
ordinary rules of good conduct, to protect private and public property, and to
make effective use of their time in securing the values and benefits of a university education.

Rules and procedures governing student conduct for SAU students are specified in greater detail in the Student Handbook. The handbook is distributed by the Office of Student Life.

Each student is expected to be familiar with all campus regulations and procedures which are published in the General Catalog, Student Handbook, The Bray, Hallways Handbook, and other official University publications, or which may be announced by other means.

**Keeping Financial Accounts**
It is the responsibility of students to keep an accurate financial account of their obligations to the University. Any obligations for tuition, fees, room and board, books, and other items should be promptly remitted to the Business Office.

**Motor Vehicle Regulations**
Any student who drives a car to and from the campus or who keeps a car on campus while in attendance at the University is required to register the vehicle with the University Police and to purchase a campus decal at the Business Office within three days after bringing the automobile on campus. Specific parking regulations may be obtained from the University Police.

**Reporting Illness**
Students are responsible for reporting to the University nurse on the first day of an illness so that advice and medical care may be given when needed. This is for the protection of the entire student body as well as the individual student. Written excuses may be obtained for missed classes if an illness is promptly reported to the University nurse.

**Change of Name or Address**
Students whose names change during a semester or term are responsible for reporting the changes by filling out the proper form in the Office of the Registrar. Name changes must be verified by legal documentation (marriage certificate, petition for name change, etc.) presented at the time of the request to the registrar. The Office of the Registrar will then notify the Office of Financial Aid and the Business Office. Students whose addresses or telephone numbers change should report the changes to the Office of the Registrar, the Office of Financial Aid, the Business Office, and their advisors.
School of Business Administration

Dr. Terrye A. Todd, dean

Mission Statement
The mission of the School of Business Administration at Southern Arkansas University is to provide students with a high-quality, continually improving undergraduate education in business. As a secondary mission, the School serves as a regional resource for economic education, economic development, and continuing education. Therefore, the School is committed to providing, encouraging, and supporting:

- Access to educational opportunities to students in its region and to international students who are members of the University community.
- Academic programs where the highest priority is placed on excellence in teaching.
- Academic programs that prepare graduates for successful professional careers in business, for successful careers as entrepreneurs, and for advanced studies in business-related fields.
- Academic programs that address emerging issues in business and foster understanding of the global economy, organizational diversity, and ethical business practices.
- Educational opportunities for students to develop leadership abilities, to improve communication skills, and to interact with the academic and professional communities.
- Faculty who are committed to continual intellectual development and professional growth that result in instructional currency and pedagogical improvement.
- Faculty who engage in scholarly activities that enrich teaching with emphasis on activities addressing instructional development and practical application.
- Faculty who participate in academic and professional service that promote the School’s academic mission and facilitate economic education and economic development in the region.

Programs of Study
The School of Business Administration offers a bachelor of business administration degree (BBA) with majors in accounting and business administration. Students majoring in business administration select a major area of emphasis in computer information systems, finance, management, or marketing.

The BBA requires 124 semester hours of credit. Degree requirements include 43 hours of general education, 48 hours of business core curriculum, 24 hours in
the major field, 3 hours of speech, and 3-6 hours of electives or other requirements.

The School offers minors for both business and non-business majors. Students majoring in business may choose optional minors in accounting, computer information systems, finance, management, and marketing. Non-business majors may earn minors in these fields or in general business. Minors in business require from 15-24 semester hours of credit.

The School also offers a two-year, 64-hour program in business administration leading to an associate of science (A. S.) degree. Students in this program may choose either an office technology track or a computer networking track.

Assessment
The learning goals for each of the major programs and descriptions of the assessment procedures may be found in the departmental assessment reports on the SAU webpage under academics and assessment.

Requirements for Admission to the School of Business Administration
Students must be admitted to the School of Business Administration prior to enrolling in upper-level business courses. Admission to the School is granted when a student (1) has completed 45 semester hours of credit and (2) has completed the following ten courses with a grade point average of 2.25 or higher in these courses.

Courses Required for Admission to the School of Business

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2003</td>
<td>Principles of Accounting I</td>
</tr>
<tr>
<td>ACCT 2103</td>
<td>Principles of Accounting II</td>
</tr>
<tr>
<td>CIS 2053</td>
<td>Business Information Systems</td>
</tr>
<tr>
<td>ECON 1003</td>
<td>The American Enterprise System</td>
</tr>
<tr>
<td>ECON 2003</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECON 2103</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
</tr>
<tr>
<td>ENGL 1123</td>
<td>Composition II</td>
</tr>
<tr>
<td>GBUS 2013</td>
<td>Quantitative Analysis I</td>
</tr>
<tr>
<td>MATH 1023</td>
<td>College Algebra</td>
</tr>
</tbody>
</table>

Conditional admission may be granted for a student who has earned 45 hours and will be completing the above required during the semester of conditional admission. Conditional admission must be approved by the faculty advisor and is limited to one semester only. Students who do not satisfy admission requirements during the semester of conditional admission must complete all requirements for admission prior to enrolling in additional upper-level business courses.
The Business Core Curriculum

The School of Business Administration requires completion of a common core of business knowledge for students earning a bachelor's degree in business. The 48-hour business core curriculum includes 21 hours of lower-level business courses required for admission to the School and 27 hours of upper-level business courses.

ACCT 2003  Principles of Accounting I
ACCT 2103  Principles of Accounting II
CIS  2053  Business Information Systems
CIS  4103  Managing Information and Technology
ECON 1003  The American Enterprise System
ECON 2003  Principles of Macroeconomics
ECON 2103  Principles of Microeconomics
FIN   3003  Financial Management
GBUS 2013  Quantitative Analysis I
GBUS 3003  Legal Environment of Business
GBUS 3063  Managerial Communications
GBUS 3183  Quantitative Analysis II
MGMT 3023  Organizational Theory and Behavior
MGMT 4063  Production and Operations Management
MGMT 4093  Management Strategy and Policy
MKTG 3033  Principles of Marketing

Residency Requirements

Students transferring from another university must complete at least 50 percent of the business credit hours required for the BBA at Southern Arkansas University. These credit hours must include a minimum of 15 hours in the major and a minimum of 9 hours in a minor. In addition, students must meet the residency requirements for the University.

Professional Affiliation

The School is a member of AACSB International - The Association to Advance Collegiate Schools of Business.

UALR-SAU M.B.A. Program

Southern Arkansas University and the University of Arkansas at Little Rock offer a joint program leading to the master of business administration (M.B.A.) degree. Courses for this program are offered on the SAU campus in Magnolia. All undergraduate prerequisites to the M.B.A. program are taught by SAU. All graduate courses are taught via compressed video by faculty from the University of Arkansas at Little Rock.

For further information about the M.B.A. program, interested students should contact either the dean of the School of Business Administration at SAU or the UALR College of Business Administration.
Facilities
The School of Business Administration is housed in the new Business/Agri-
Business building specifically designed to provide the latest in instructional
technology. The three-story facility is one of the finest in the region and
provides an exceptional atmosphere for learning. The building houses a
computer instruction lab, a CISCO networking lab, and the Cardinal Healthcare
Virtual Internship lab. Classrooms in the building are equipped with Internet
access and support multi-media instruction.

Academic Enrichment Opportunities
Students in the School of Business Administration have many opportunities to
participate in activities that enrich the academic experience, provide leadership
opportunities, and contribute to continuous improvement of the business
programs.

Business Internships are available to many students in the School of Business
Administration. Students in the business internship program gain valuable real-
world work experience and earn college credit. Participating students engage in
a structured field experience under the supervision of a faculty advisor. The
business internship program is an honors program and requires a cumulative
grade point average of 3.0 or higher and/or recommendation of a faculty
member in the School of Business Administration.

Virtual Internships are available on a competitive basis for students majoring
in computer information systems or computer science. The Virtual Internship
program provides students the opportunity to work for Cardinal Healthcare, Inc.,
a Fortune 500 company with home offices in Dublin, Ohio. The virtual
internship program is an honors program. Applicants must have a cumulative
grade point average of 3.0 or higher and recommendation of a faculty member in
the School of Business Administration or the School of Science and
Technology. Participants in the program are selected by Cardinal Healthcare.

The Business Student Advisory Council offers selected students the
opportunity to provide valuable input into policies and procedures in the School
and to evaluate the business programs. Students are selected by the business
faculty to serve on the Business Student Advisory Council.

The Business Student Investment Advisory Council manages a special
endowment fund for the School of Business Administration. All income from
this endowment is used to support the academic missions of the Department of
Economics and Finance and the School of Business Administration. Students on
this council are selected by faculty in the Department of Economics and
Finance.

Students in Free Enterprise (SIFE) offers students the opportunity to study
and promote the principles of free enterprise. SIFE is a classroom and field
experience that involves many students in projects designed to increase understanding of the principles of free enterprise and to encourage the application of these principles in a modern economy. SAU’s SIFE team has won many regional awards that recognize their effective programs in economic education.

**Phi Beta Lambda (PBL)** is a professional organization for business students, offering opportunities for leadership development, team building, career development, and academic competition. SAU is home of one of the nation's most successful chapters of Phi Beta Lambda. Many PBL members from SAU have served as national and state officers in the organization, and hundreds of SAU PBL members have earned national awards in academic competitions and for chapter projects.

**The Accounting and Finance Society** is a local professional association for students majoring in accounting or finance. Organized in 2001, the Society provides its members with opportunities for career development, networking, and academic enrichment.

**The Student Marketing Association** is a local organization for students majoring in marketing. Organized in 2000, the Association provides its members with opportunities for career development, networking and academic enrichment.

**Sigma Beta Delta** is a national honor society for students of business, which recognizes junior and senior business students who rank in the upper 20% of their class. The School of Business Administration became a charter member of Sigma Beta Delta in 1995.

**Degrees and Fields of Specialization**

The School of Business Administration offers a bachelor of business administration degree (BBA) with majors in accounting and business administration. Students majoring in business administration select a major area of emphasis in computer information systems, finance, management, or marketing.

The School offers minors for business and non-business students and an associate of science (A.S.) degree in business administration.

**Department of Accounting and Computer Information Systems**

The Department of Accounting and Computer Information Systems offers a major in accounting and a major emphasis in computer information systems (CIS). The accounting major is designed for students planning to enter careers in public, corporate, or governmental accounting. The CIS major is designed for
students pursuing careers in computer programming, networking and telecommunications, database management, or systems analysis and design.

The department also offers minor areas of emphasis in accounting and CIS for business majors and for non-business majors.

**Major in Accounting (B.B.A.) - 124 hours**

Students earning a BBA with a major in accounting complete 124 hours, including the following specific requirements:

- **General Education** 43 hours
- **Business Core Curriculum** 48 hours
- **Accounting Major Curriculum** 24 hours
- **Other Requirements** 6 hours
- **Non-business electives** 3 hours

**Accounting Major Curriculum - 24 hours:**

- ACCT 3003 Financial Accounting I
- ACCT 3013 Managerial Accounting
- ACCT 3063 Accounting Information Systems
- ACCT 3103 Financial Accounting II
- ACCT 4003 Auditing
- ACCT 4023 Fundamentals of Taxation

6 hours selected from the following:

- ACCT 3113 Cost Accounting
- ACCT 3983 Business Internship in Accounting
- ACCT 4043 Advanced Financial Accounting I
- ACCT 4053 Advanced Financial Accounting II
- ACCT 4063 Governmental and Not-for-Profit Accounting
- ACCT 4123 Advanced Taxation

**Other requirements for the accounting major - 9 hours:**

- FIN 4003 Advanced Financial Management
- SPCH 1113 Principles of Speech

3 hours of non-business electives

**Professional Examination Requirements.** Students planning to take a professional examination, such as the Certified Public Accountant (CPA) or Certified Management Accountant (CMA), may need to complete additional courses to meet state eligibility requirements.

Students preparing to take the CPA Examination in Arkansas should follow the 124-hour curriculum and complete an additional 26 hours of electives to satisfy the state’s 150-hour academic eligibility requirement. Students may choose from a variety of options to meet this requirement, including (1) completing an additional minor area of emphasis in a business field, such as finance; (2)
completing a minor in a non-business field, such as English or political science; or (3) completing an individualized supplementary plan of study developed with the faculty advisor. Students preparing to take the CPA examination should consult with their faculty advisor about other requirements that may effect selected electives.

**Major in Business Administration with Emphasis in Computer Information Systems (B.B.A.) – 124 hours**

Students earning a BBA with a major emphasis in computer information systems complete 124 hours, including the following specific requirements:

- **General Education** 43 hours
- **Business Core Curriculum** 48 hours
- **CIS Major Curriculum** 24 hours
- **Other Requirements** 3 hours
- **Non-business electives** 3 hours
- **Unrestricted electives** 3 hours

**Computer Information Systems Major Curriculum - 24 hours:**

- CIS 2003 COBOL Programming I
- CIS 2113 Programming Languages and Logic
- CIS 2203 Introduction to Networking I
- CIS 3403 Database Management Systems
- CIS 4213 Systems Analysis and Design
- CIS 4303 Management Information Systems

3 hours selected from the following:

- CIS 3133 COBOL Programming II
- CSCI 3063 High Level Languages

3 hours selected from the following:

- CIS 3103 Advanced Networking I
- CIS 3133 COBOL Programming II
- CIS 3983 Business Internship in Computer Information Systems
- CSCI 3063 High Level Languages
- CSCI 3103 Data Structures and Algorithms
- ACCT 3063 Accounting Information Systems

**Other requirements for the CIS major - 9 hours:**

- SPCH 1113 Principles of Speech
- 3 hours of non-business electives
- 3 hours of unrestricted electives

**CISCO Certification.** The Department of Accounting and Computer Information Systems offers curricula that prepare students to pursue certification
as a CISCO Certified Networking Associate (CCNA) and CISCO Certified
Networking Professional (CCNP).

Students pursuing certification as a CCNA, must complete the following
courses:
CIS  2203    Introduction to Networking I
CIS  2213    Introduction to Networking II

Students pursuing certification as a CCNP, must pass the CCNA examination
and complete the following additional courses:
CIS  3103    Advanced Networking I
CIS  3203    Advanced Networking II

Department of Economics and Finance
The Department of Economics and Finance offers a major area of emphasis in
finance plus a minor area of emphasis in finance for business majors. In
addition, the Department offers a minor in finance for non-business majors.

Graduates in finance have entered the fields of insurance, real estate, financial
planning, banking, economic analysis, college teaching, and various types of
financial management in both large and small organizations. In addition,
graduates have successfully operated their own businesses utilizing the
knowledge gained through their studies in economics and finance. Many
corporate presidents and top executives come from the ranks of financial
personnel. Financial decision-making is one of the critical areas of business
operation that has a great impact on the eventual success or failure of business
enterprises.

Major in Business Administration with Emphasis in Finance (B.B.A.) - 124
hours
Students earning a BBA with a major in finance complete 124 hours, including
the following specific requirements:

General Education                      43 hours
Business Core Curriculum                48 hours
Finance Major Curriculum                24 hours
Other Requirements                     3 hours
Non-business electives                 3 hours
Unrestricted electives                 3 hours

Finance Major Curriculum – 24 hours:
FIN  3023    Financial Institutions and Markets
FIN  3053    Investments
FIN  3063    Retirement Planning and Employee Benefits
FIN  4003    Advanced Financial Management
FIN  4023    Insurance Principles and Planning

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9 hours selected from the following:

- ACCT 3003 Financial Accounting I
- ACCT 4023 Fundamentals of Taxation
- ECON 3093 Managerial Economics
- ECON 4023 Free Enterprise Studies and Projects
- FIN 3073 Principles of Real Estate
- FIN 3983 Business Internship in Finance
- FIN 4033 Real Estate Appraisal
- FIN 4053 Estate Planning and Taxation

Other requirements for the finance major – 9 hours:

- SPCH 1113 Principles of Speech
- 3 hours of non-business electives
- 3 hours of unrestricted electives

Professional Examination Requirements. Southern Arkansas University is registered with the Certified Financial Planner™ Board of Standards, Inc., in Denver to offer a program in financial planning. Successful completion of this program qualifies students to sit for the national Certified Financial Planner™ examination. A student interested in this program should pursue a B.B.A. degree with finance as the major area of emphasis and consult their faculty advisor to select appropriate electives.

Department of Management and Marketing
The Department of Management and Marketing provides a quality education with opportunities for personal growth and professional development. Students may select a major area of emphasis in either management or marketing. In addition, the Department offers minor areas of emphasis in management and marketing for business majors and minors in management and marketing for non-business majors.

Students with major areas of emphasis in management or marketing readily find employment in a variety of exciting areas in business and industry. In addition, these areas of emphasis are ideal for students desiring to own and operate their own businesses.

Additionally, the Department offers a two-year, 64-hour program in business administration leading to an associate of science (A.S.) degree. Students electing this option have a strong two-year program of study that leads to early entry in the work force and also provides a strong foundation for the baccalaureate degree.

Major in Business Administration with Emphasis in Management (B.B.A.) - 124 hours
Students earning a BBA with a major in management complete 124 hours, including the following specific requirements:
General Education  43 hours (see note below)
Business Core Curriculum  48 hours
Management Major Curriculum  24 hours
Other Requirements    3 hours
Non-business electives    3 hours
Unrestricted electives    3 hours

General Education Requirement
Students majoring in management must take the following courses as part of the
general education requirement in Social Science:
PSYC  2003   General Psychology
SOC    2003   Introduction to Sociology

Management Major Curriculum - 24 hours:
MGMT  3013   Management Science
MGMT  4023   Small Business Management
MGMT  4053   Human Resources Management
MGMT  4043   International Business
MGMT  4103   Quality Management
GBUS  3073   Advanced Managerial Communications

6 hours selected from the following:
ACCT  3013   Managerial Accounting
ECON  3093   Managerial Economics
FIN    3063   Retirement Planning and Employee Benefits
FIN    4023   Insurance Principles and Planning
MGMT  3983   Business Internship in Management
MKTG  4013   Marketing Management

Other requirements for the management major - 9 hours:
SPCH  1113   Principles of Speech
3 hours of non-business electives
3 hours of unrestricted electives

Major in Business Administration with Emphasis in Marketing (B.B.A.) -
124 hours
Students earning a BBA with a major in marketing complete 124 hours,
including the following specific requirements:

General Education  43 hours (see note below)
Business Core Curriculum  48 hours
Marketing Major Curriculum  24 hours
Other Requirements    3 hours
Non-business electives    3 hours
Unrestricted electives    3 hours
General Education Requirement
Students majoring in marketing must take the following courses as part of the
general education requirement in Social Science:
PSYC 2003  General Psychology
SOC 2003  Introduction to Sociology

Marketing Major Curriculum - 24 hours:
MKTG 3043  Retailing
MKTG 3053  Integrated Marketing Communications
MKTG 3103  Selling and Sales Management
MKTG 4013  Marketing Management
MKTG 4023  Marketing Research
MKTG 4033  Consumer Behavior

6 hours selected from the following:
CIS 2073  Desktop Publishing
GBUS 3073  Advanced Managerial Communications
MGMT 4023  Small Business Management
MGMT 4043  International Business
MGMT 3983  Business Internship in Marketing

Other requirements for the marketing major - 9 hours:
SPCH 1113  Principles of Speech
3 hours of non-business electives
3 hours of unrestricted electives

Double Majors in the School of Business Administration
Students in the School of Business Administration may choose to
simultaneously complete the requirements for majors in two business fields. Students electing to double major must complete all of the requirements for both
degrees.

Students who return to school for a second major after receiving the first degree
in business must meet all of the requirements for the second major, complete 30
hours beyond the first degree, and meet the residency requirements for the
School and University.

Associate of Science with Major in Business Administration (A.S.) - 64
hours
Students earning the A.S. degree with a major in business administration
complete 64 hours, including the following specific requirements:

General Education (see note below) - 35 hours
ENGL 1113  Composition I
ENGL 1123  Composition II
MATH 1023  College Algebra
PSYC 2003  General Psychology
SPCH 1113 Principles of Speech
4 hours of biological science
4 hours of physical science
6 hours of history, including 3 hours of U.S. history
6 hours of humanities or fine arts electives
(Students should choose courses that satisfy the University general education requirements. See pages 35-38 for a list of the general education requirements.)

Business Curriculum – 21 hours
ACCT 2003 Principles of Accounting I
ACCT 2103 Principles of Accounting II
CIS 2053 Business Information Systems
ECON 1003 The American Enterprise System
ECON 2003 Principles of Macroeconomics
ECON 2103 Principles of Microeconomics
GBUS 2013 Quantitative Analysis I

Unrestricted Electives – 2 hours

Computer Information Systems Electives – 6 hours
Student chooses 6 hours from either the office technology track or the networking track:
Office Technology Track:
CIS 2033 Office Technology and Word Processing
CIS 2073 Desktop Publishing
Networking Track:
CIS 2203 Introduction to Networking I
CIS 2213 Introduction to Networking II

Minors for Business Majors
Students pursuing a B.B.A. may earn a minor emphasis in a supporting business field, but a minor emphasis is not required. Completing a minor emphasis will increase the number of credit hours required for graduation.

Minor Emphasis in Accounting - 15 hours
ACCT 3003 Financial Accounting I
ACCT 3013 Managerial Accounting
ACCT 3103 Financial Accounting II

3 hours selected from the following:
ACCT 3063 Accounting Information Systems
ACCT 4003 Auditing

3 additional hours of upper-level accounting courses

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**Minor Emphasis in Computer Information Systems** - 15 hours
CIS 2113 Programming Languages and Logic

3 hours selected from the following:
CIS 2003 COBOL Programming I
CIS 2073 Desktop Publishing
CIS 2203 Introduction to Networking I
9 additional hours of computer information systems courses, at least 6 of which must be upper-level

**Minor Emphasis in Finance** - 15 hours
FIN 3023 Financial Institutions and Markets
FIN 3053 Investments
FIN 3063 Retirement Planning and Employee Benefits
6 additional hours of upper-level finance courses

**Minor Emphasis in Management** - 15 hours
MGMT 3013 Management Science
MGMT 4053 Human Resources Management

9 additional hours upper-level courses to be selected from the following:
ECON 3093 Managerial Economics
GBUS 3073 Advanced Managerial Communications
MGMT 3983 Business Internship in Management
MGMT 4023 Small Business Management
MGMT 4043 International Business
MGMT 4103 Quality Management

**Minor Emphasis in Marketing** - 15 hours
MKTG 4013 Marketing Management
MKTG 4023 Marketing Research
9 additional hours of upper-level marketing courses

**Minors for Non-Business Students**
Students from outside the School of Business Administration may pursue a business minor requiring completion of 21-24 hours.

**Minor in Accounting** - 21 hours
ACCT 2003 Principles of Accounting I
ACCT 2103 Principles of Accounting II
ACCT 3003 Financial Accounting I
ACCT 3013 Managerial Accounting
ACCT 3103 Financial Accounting II
ECON 2003 Principles of Macroeconomics
3 additional hours of upper-level accounting courses
**Minor in Computer Information Systems** - 21 hours
- ACCT 2003 Principles of Accounting I
- ACCT 2103 Principles of Accounting II
- CIS 2053 Business Information Systems
- CIS 2113 Programming Languages and Logic
- ECON 2003 Principles of Macroeconomics

6 additional hours of computer information systems courses, at least three of which must be selected from upper-level courses

**Minor in Finance** - 21 hours
- ACCT 2003 Principles of Accounting I
- ACCT 2103 Principles of Accounting II
- ECON 2003 Principles of Macroeconomics
- FIN 3003 Financial Management
- FIN 3053 Investments

6 hours selected from the following:
- FIN 3023 Financial Institutions and Markets
- FIN 3063 Retirement Planning and Employee Benefits
- FIN 4003 Advanced Financial Management
- FIN 4023 Insurance Principles and Planning

**Minor in General Business** - 24 hours
- ACCT 2003 Principles of Accounting I
- ACCT 2103 Principles of Accounting II
- CIS 2053 Business Information Systems (or comparable applications-based course taken as part of student’s major)
- ECON 2003 Principles of Macroeconomics
- ECON 2103 Principles of Microeconomics
- FIN 3003 Financial Management
- MKTG 3033 Principles of Marketing

**Minor in Management** - 21 hours
- ACCT 2003 Principles of Accounting I
- ACCT 2103 Principles of Accounting II
- ECON 2003 Principles of Macroeconomics
- MGMT 3023 Organizational Theory and Behavior
- MGMT 4023 Small Business Management
- MGMT 4053 Human Resources Management
3 additional hours selected from the following:
GBUS  3073  Advanced Managerial Communications
MGMT  4043  International Business
MGMT  4103  Quality Management

**Minor in Marketing** - 21 hours
ACCT  2003  Principles of Accounting I
ACCT  2103  Principles of Accounting II
ECON  2003  Principles of Macroeconomics
MKTG  3033  Principles of Marketing

6 additional hours selected from the following:
MKTG  3043  Retailing
MKTG  3053  Integrated Marketing Communications
MKTG  3103  Selling and Sales Management

3 additional hours selected from the following:
MKTG  4013*  Marketing Management
MKTG  4023*  Marketing Research
MKTG  4033  Consumer Behavior

*Note course prerequisites
School of Education

Dr. Margaret Downing, dean

The School of Education is the approved unit for professional education and teacher licensure at Southern Arkansas University.

The School of Education consists of the following:

1. The Department of Curriculum and Instruction,
2. The Department of Health, Kinesiology, and Recreation,
3. The Department of Music,
4. Graduate Studies, and
5. The Curriculum Center.

The mission of the School of Education is to prepare educators as professional members of collaborative teams. In this preparation prospective teachers obtain an adequate knowledge of the subject matter to be taught, gain a suitable understanding of child and adolescent development and the learning process, study techniques and methods of instruction, and demonstrate via student teaching that they are qualified to receive initial licensure and enter the teaching profession.

The graduate program in education is detailed in the Graduate Catalog.

Title II Data for SAU

Good teaching is key to student achievement. As the public demands improved schools and increased student achievement, teachers’ knowledge and skills are more important than ever before. More than half of the 2.2 million teachers that America’s schools will need to hire over the next 10 years will be first-time teachers, and they will need to be well-prepared for the challenges of today’s classrooms. For these reasons, the nation’s attention has increasingly focused on the role that institutions of higher education and states play in ensuring that new teachers have the content knowledge and teaching skills they need to teach all students to high standards (Arkansas Title II State Report 2001, p. 2).

SAU students within the Teacher Education Unit during the reporting period of September 2000 through August 2001 were ranked in the first (best) percentile of institutions of higher education in Arkansas in both Basic Skills and Professional Knowledge areas. One hundred percent of SAU Teacher Education graduates passed all Praxis exams in these areas. In the third tested area, Content Knowledge, SAU was ranked in the second quartile statewide. Ninety-eight percent of SAU Teacher Education graduates passed all content area examinations. The ninety-eight percent score represents only one test failed by a single individual during this reporting period.
Degrees and Licensure
The School of Education at Southern Arkansas University offers undergraduate programs of study leading to the bachelor of science in education (B.S.E.) degree, the bachelor of music education (B.M.E.) degree, and the bachelor of science (B.S.) degree.

Existing programs are detailed on the following pages; but, because of pending revisions in the Arkansas licensure process, current programs are subject to changes that may not be reflected in this catalog. Students must work closely with their advisors to ensure proper program completion.

Majors leading to the B.S.E. degree include the following:

- art education (P-8, and 7-12, combined program)
- inclusive early childhood education (P-4)
- middle-level education (4-8) in either
  - science/math or
  - language arts/social studies
- physical education, wellness, and leisure (P-8)

- business technology education (7-12)
- coaching endorsement (7-12)
- life/earth sciences (7-12)
- English education (7-12)
- French education (7-12)
- mathematics education (7-12)
- physical education, wellness, and leisure (7-12)
- physical science education (7-12)
- social studies education (7-12)
- Spanish education (7-12)

Majors leading to the B.M.E. degree include the following:

- instrumental music (P-8 and 7-12, combined program)
- vocal music (P-8 and 7-12, combined program)

Majors leading to the B.S. degree include the following:

- agricultural education (7-12)
- athletic training (non-teaching degree)
- exercise science (non-teaching degree)
- human performance, recreation, and community service (non-teaching degree)

NCATE-Accredited
The School of Education at Southern Arkansas University is Accredited by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Ave, NW, Suite 500, Washington, DC 20036; phone (202)466-
7496. This accreditation covers the B.S.E. degree and the M.Ed. degree preparation programs.

All professional education curricula meet the requirements for teacher licensure established by the Arkansas State Department of Education. To be recommended for a teaching license, the student must satisfactorily complete all requirements for the chosen teaching major and successfully complete the appropriate PRAXIS II examinations. SAU will accept as transfer credit for teacher licensure purposes only those professional education courses taken at colleges accredited by the National Council for Accreditation of Teacher Education (NCATE). Since the School of Education is accredited under the new NCATE standards, the programs in the professional education unit meet licensure requirements for teaching in most other states. The University is an institutional member of the American Association of Colleges for Teacher Education and a member of North Central Association of Schools and Colleges.

Teachers holding valid certificates/licenses from other approved states should contact the State Department of Education for licensure through reciprocity.

**Assessment**

The learning goals for each of the major programs and descriptions of the assessment procedures may be found in the departmental assessment reports on the SAU webpage under academics and assessment.

**Admission to the Professional Education Program**

Students who plan to follow teacher preparation programs should make a formal application for admission to the Professional Education Program to the dean of the School of Education.

Applications are usually made during the second semester of the sophomore year (all application requirements should be completed by the end of the semester in which the application is filed). Students transferring to SAU at the beginning of their junior year should apply upon entering SAU. (This application is not the same as applying for admission to the University. *Both are needed.*)

**Criteria for Admission to the Professional Education Program**

1. Completion of 42 or more semester hours of credit with a grade point average of 2.5 or higher in all course work taken at any college or university.
2. Successful completion of all major and supporting field courses required for the degree with a grade of C or higher in each.
3. Successfully passing the Pre-Professional Skills Test (PPST) with minimum scores or higher. Information concerning the Pre-Professional Skills Test (PPST) can be obtained from the SAU Office of Counseling and Testing.
4. Attainment of grade of C or higher in ENGL 1113, ENGL 1123, and MATH 1023.
5. Successful completion of the CAAP test, including English Proficiency requirements.
6. Have a signed criminal affidavit form on file in the Office of the Dean of the School of Education.
7. Review by the faculty of the university.
8. An interview with the student’s advisor.
9. Approval by the dean of the School of Education.

The faculty closely follows the progress of professional education majors. An advisor or other faculty member may submit a request for review of the student's status with respect to further enrollment in a professional education program. The review and recommendation will be made by a review committee.

Students who have been admitted to the Professional Education Program are expected to maintain all degree requirements or be dropped from the program. Letters of dismissal will be mailed to the address listed in the student's admission folder in the School of Education office. Students are responsible for registering address changes in the School of Education files.

Students who are not approved for admission to the Professional Education Program may not enroll or receive credit in selected 3000- or 4000-level professional education courses.

All 3000- and 4000-level courses required for any professional education program must be completed within an eight-year period immediately prior to graduation. Students may petition in writing to the dean of the School of Education for exceptions to this rule.

Application forms may be obtained from the Office of the Dean of the School of Education. Students must submit completed application forms to their advisor for the advisor's recommendation. Advisor approved applications are then submitted to the dean of the School of Education for processing and approval.

**Application for Student Teaching Block**
The Student Teaching Block is a complete semester of work, which includes a minimum of 12 weeks of full-time student teaching and completion of a student teaching seminar. *No other course work may be taken or completed during this semester, including correspondence course work.*

Applications must be submitted to the Office of the Department of Curriculum and Instruction by the following dates:

**Inclusive Early Childhood Education**
- September 15 to student teach in the following spring semester
- February 15 to student teach in the following fall semester

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Middle Level, Secondary, and K-12 Education

October 15 to student teach in the following spring semester
March 15 to student teach in the following fall semester.

Forms are available in the Office of the Department of Curriculum and Instruction in Cross Hall. Applicants filing after the above deadlines should not expect to student teach the following semester without special permission of the dean.

Criteria for the Student Teaching Block

1. Full admission to the Professional Education Program with no deficiencies.
2. Senior status (All major and supporting field courses must be completed with a minimum grade of C prior to student teaching.)
3. A minimum of one semester of residence credit at Southern Arkansas University.
4. A grade point average of 2.5 or higher in (a) all course work required for the teaching major, and (b) all course work required for the specialty/support area.
5. Approval of the chair or dean in the content area.
6. Demonstrated competence in the supervised field experience level II with written confirmation to this effect from the university supervisor and the collaborating teacher.
7. Completion of the Principles of Learning and Teaching and the Specialty Area subtests of the PRAXIS II with passing scores prior to student teaching.
8. Approval of the dean of the School of Education or designated official.

Recommendation for Arkansas Teacher Licensure
Graduation from Southern Arkansas University does not guarantee Arkansas Teacher Licensure. All Arkansas teaching licenses are issued by the Arkansas Department of Education.

After graduation and after the degree (citing major and second teaching field if applicable) is posted on the transcript, the student must complete an application for a professional teaching license. The application may be obtained from and must be returned to the Dean of the School of Education along with an official transcript and all test (entry and exit) scores. Issuance of a professional license is not automatic – the candidate must apply.

Tests Required for Licensure
Students must pass the Principles of Learning and Teaching and the Specialty Area subtests of the PRAXIS II prior to taking student teaching. Information about the PRAXIS II can be obtained from the SAU Office of Counseling and Testing.
Appeals and Due Process
Good communication between students, faculty, and administration, plus a resolve to follow fair and equitable procedures, requires that due process be followed in the unit. Students are encouraged to become familiar with due process.

Appeals made in writing begin with the advisor. The appeal may be further resolved through due process continuing with the department chair, who will advise the student if further action is needed.

Curriculum Center
The Curriculum Center provides resources and services for pre-service and in-service teachers and functions as a learning laboratory for education students. The Curriculum Center is founded on the principle that in today’s global society, universities and other institutions, groups, and individuals must join forces to promote the best possible education for all students. Southern Arkansas University’s personnel and resources are linked with the needs of P-12 students. The Curriculum Center encourages teachers of elementary and secondary schools to articulate their needs. Those needs are tied to theory and research and are then translated into programs that are addressed with effective instructional and appropriate curricular models thus making relevant educational information accessible to SAU education students. Through the Curriculum Center, education students have numerous opportunities for interaction among practitioners in the field, university faculty, fellow education students, and with elementary and secondary public school students. Four outstanding education students are appointed to the Curriculum Center’s Advisory Board each year and collaborate with in-service educators to plan the Center’s focus.

Holdings and Services
Curricular and instructional materials are housed in the Curriculum Center, located on the first floor of the Magale Library building. Many items are kept on reserve to assure access to all. Certain collections may be taken out of the center. Current state-approved texts of all subject areas and all grade levels, P-12, are housed in the Curriculum Center for use in lesson and unit planning. The juvenile literature collection, tapes, filmstrips, periodicals, and Kraus Curriculum Development Library microfiche collections are located in the Center.

Other media and materials include computers and printers, word processing, and a library of cataloged computer programs for preschool through senior high school. A VCR/television set with viewing options for AETN, CNN, C-SPAN, and Discovery channels is available. Albums; transparencies; maps; posters; video and audio tapes; compact disks; guides; reference materials; activity books; sample lesson and unit plans; method books; and examples of teacher-made instructional activities, learning centers, and bulletin boards are housed in the Center.
A materials production area offers a laminator, small tools, and supplies for students and teachers to prepare lessons and activities. A P-12 curriculum specialist and staff are on hand to assist with problems and to offer suggestions.

Workshops, seminars, and activities for pre-service and in-service teachers are an important part of the Curriculum Center.

**Rosemary Rhea Regional Arts in Education Center**

The Rosemary Rhea Regional Arts in Education Center (RRRAIE) is a visionary arts in education center which was developed in 1987 from a gift to Southern Arkansas University from John and Rosemary Rhea. The center is now designed as a model regional program. Funding, in part, has been provided annually by the Arkansas Arts Council, an agency of the Department of Arkansas Heritage, and collaborating public schools of Columbia, Nevada, and Ouachita counties. The RRRAIE Center and Gallery are located within the Curriculum Center.

Focus of the program includes art for all children; art as a career option; art in the context of Arkansas, the nation, and the world; multi-disciplinary arts; creativity and problem solving; integrated curriculum; and depth and scope for arts curricula.

Arkansas artists of a variety of cultural and ethnic backgrounds work in classrooms with kindergarten through university students using a variety of media and art areas. They consult with local educators, lead in-service workshops of teachers, team with teachers, develop community outreach programs, exhibit their works and those of their students, and provide observable studio time.

An advisory board is comprised of preschool through grade twelve classroom teachers, university professors, public school administrators, teacher education and art students, community leaders, business representatives, and local artists.

**Department of Curriculum and Instruction**

**Major in Inclusive Early Childhood Education (B.S.E.)**

The major in Inclusive Early Childhood Education leads to licensure to teach in grades Pre-K through 4. The course work included in the Inclusive Early Childhood Program presents core knowledge of the profession, combining pedagogical and theoretical content with observational assessment. Students demonstrate a basic understanding of the early childhood profession and child development, incorporating that knowledge and understanding in various clinical experiences. Evidence and implementation of developmentally appropriate practices are included in all areas of the students’ learning. The program emphasizes the uniqueness of each child, recognizing that children are best understood in the context of family, culture, society, and environment.
To obtain a bachelor of science in education with a major in Inclusive Early Childhood Education, the student must earn at least a grade point average of 2.5 on all university credits, complete the required courses, and successfully complete the Praxis I (PPST) and Praxis II tests.

**General Education** - 44 hours

**Composition** - 6 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
</tr>
<tr>
<td>ENGL 1123</td>
<td>Composition II</td>
</tr>
</tbody>
</table>

**Humanities** - 12 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2013</td>
<td>Introduction to Fine Arts: Art</td>
</tr>
<tr>
<td>ENGL 2213</td>
<td>Literature I</td>
</tr>
<tr>
<td>ENGL 2223</td>
<td>Literature II</td>
</tr>
<tr>
<td>MUS 2013</td>
<td>Introduction to Fine Arts: Music</td>
</tr>
</tbody>
</table>

**Social Science** - 12 hours

6 hours selected from the following (at least 3 hours must be United States history):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 1003</td>
<td>History of Civilization to 1700</td>
</tr>
<tr>
<td>HIST 1013</td>
<td>History of Civilization since 1700</td>
</tr>
<tr>
<td>HIST 2013</td>
<td>History of the U.S. to 1876</td>
</tr>
<tr>
<td>HIST 2023</td>
<td>History of the U.S. since 1876</td>
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</tbody>
</table>

**Other** - 6 hours required

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 2003</td>
<td>Introduction to Geography</td>
</tr>
<tr>
<td>PSCI 2003</td>
<td>American Government: National</td>
</tr>
</tbody>
</table>

**Biological Science** - 4 hours selected from the following

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSCI 1013</td>
<td>The Biological Sciences/Lab (preferred course)</td>
</tr>
<tr>
<td>BIOL 1013/1011</td>
<td>Invertebrate Zoology/Lab</td>
</tr>
<tr>
<td>BIOL 1023/1021</td>
<td>Vertebrate Zoology/Lab</td>
</tr>
<tr>
<td>BIOL 1033/1031</td>
<td>General Botany/Lab</td>
</tr>
</tbody>
</table>

**Physical Science** - 4 hours selected from the following

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSC 2023/2021</td>
<td>The Physical Sciences/Lab (preferred course)</td>
</tr>
<tr>
<td>CHEM 1013/1011</td>
<td>General Chemistry I/Lab</td>
</tr>
<tr>
<td>CHEM 1023/1021</td>
<td>University Chemistry I/Lab</td>
</tr>
<tr>
<td>GEOL 1003/1001</td>
<td>Physical Geology/Lab</td>
</tr>
<tr>
<td>PHYS 2003/2001</td>
<td>General Physics I/Lab</td>
</tr>
<tr>
<td>PHYS 2203/2201</td>
<td>University Physics I/Lab</td>
</tr>
</tbody>
</table>

**Mathematics** - 3 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1023</td>
<td>College Algebra</td>
</tr>
</tbody>
</table>
**Health Science/Physical Education** - 3 hours
HS 1403 Personal and Community Health (preferred course)

or

PHED 1501 Concepts of Physical Activity and Wellness and

PHED 2 hours of activity electives (These courses may not be repeated. No credit is given for varsity athletic participation.)

Students should complete the Pre-Professional Skills Test (PPST / Praxis I) and apply for admission to the School of Education at least one semester prior to beginning Block I.

**Professional Requirements**

**Courses not requiring admission to Professional Education**
HS 3402 First Aid and CPR
EDUC 1001 Educational Technology
EDUC 2000 Educational Field Experience, Level I
EDUC 2003 Introduction to Education
EDUC 2013 Facilitation Skills for Educators
IEC 3063 History and Philosophy of Early Childhood Education
HIST 3083 Arkansas History

**Courses requiring admission to Professional Education**
*Courses within Blocks I, II, and III meet Monday through Friday mornings.

**Block I**
ART 3213 Public School Art
IEC 3013 Social Foundations*
IEC 3023 Human Growth and Development I*
IEC 3012 Early Childhood Motor Behavior I (same as ESCI 3012)*
IEC 3002 Early Childhood Field Experience I*
MUED 3093 Public School Music
SPED 3072 Survey of Exceptional Children*

**Block II**
IEC 3042 Emergent Literacy*
IEC 3093 Teaching Reading*
IEC 3072 Children’s Literature*
IEC 3033 Human Growth and Development II*
IEC 3022 Early Childhood Motor Behavior II (same as ESCI 3022)*
IEC 3053 Organizing for Teaching and Learning*
MATH 3013 Math for Early Childhood Teachers I

**Block III**
IEC 4033 Science for Early Childhood Teachers*
IEC 4000 Science for Early Childhood Teachers Lab*
IEC 4023 Social and Physical World*
IEC 4043 Language Arts in Early Childhood*
IEC 4003 Early Childhood Block III Field Experience*
MATH 3113 Math for Early Childhood Teachers II
SPED 4043 Inclusive Education*

**Student must pass Praxis II prior to student teaching.

### Middle School Education

The major in Middle School Education leads to licensure to teach in grades four through eight. The program emphasizes the specific and unique characteristics of transescents (emerging adolescents). Students are grounded in a substantial body of professional knowledge, which focuses on the unique developmental, social, emotional, and cognitive characteristics of middle level students. Pre-service teachers in the Middle Level Education program are involved in a wide range of clinical teaching and learning experiences with adolescents ranging from individual tutoring to the capstone student teaching semester. Students develop a personal understanding of the middle school concept and research-based pedagogical strategies. Teacher teaming, integrated thematic curriculum, cooperative learning, student advisory groups, exploratory courses, and student diversity are among the major themes integrated throughout the Middle Level Education program.

The Middle School license is a generalist license, which enables students to teach in all middle level content areas (math, science, language arts, social studies). The dual focus area gives teachers special training to be more effective teachers in either a self-contained multi-subject classroom or in a single or integrated subject classroom in their focus areas of either language arts/social studies or math/science.

### Major in Middle School Education with an emphasis in Math and Science (B.S.E)

To obtain a bachelor of science in education majoring in middle school education with an emphasis in math and science, the student must earn at least a grade point average of 2.5 on all university credits, complete the required courses, and successfully complete the Praxis I (PPST) and Praxis II tests.

**General Education** - 52 hours

**Composition** - 6 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
</tr>
<tr>
<td>ENGL 1123</td>
<td>Composition II</td>
</tr>
</tbody>
</table>
**Humanities** - 15 hours
SPCH 1113 Speech  
ENGL 2213 Literature I  
ENGL 2223 Literature II  
ART 2013 Introduction to Fine Arts: Art  
MUS 2013 Introduction to Fine Arts: Music

**Social Science** - 12 hours  
6 hours selected from the following (at least 3 hours must be United States history):  
HIST 2013 History of the U.S. to 1776  
HIST 2023 History of the U.S. since 1776  
HIST 1003 History of Civilization to 1700  
HIST 1013 History of Civilization since 1700

**Other** - 6 hours required  
HIST 3083 Arkansas History  
PSCI 2003 American Government: National

**Biological Science** - 4 hours required (counts toward Math/Science focus)  
BSCI 1013/1011 The Biological Sciences/Lab  
BIOL 1013/1011 Invertebrate Zoology/Lab  
BIOL 1023/1021 Vertebrate Zoology/Lab  
BIOL 1033/1031 General Botany/Lab

**Physical Science** - 4 hours required (counts toward Math/Science focus)  
CHEM 1013/1011 General Chemistry I/Lab  
CHEM 1023/0121 University Chemistry I/Lab  
GEOL 1003/1001 Physical Geology/Lab  
PHYS 2003/2001 General Physics/Lab  
PHYS 2203/2201 University Physics I/Lab

**Mathematics** - 5 hours  
MATH 1045 Precalculus

**Health Science/Physical Education** - 6 hours  
HS 1403 Personal and Community Health and  
PHED 3 hours of activity electives (These courses may not be repeated. No credit is given for varsity athletic participation.)

**Professional Requirements**

Courses required prior to admission to Professional Education  
EDUC 1001 Educational Technology Lab  
EDUC 2003 Introduction to Education  
EDUC 2000 Educational Field Experience, Level I

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Students should complete the Pre-Professional Skills Test and apply for admission to the School of Education.

**Courses not requiring admission to Professional Education**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 4073</td>
<td>Survey of Exceptional Children</td>
</tr>
<tr>
<td>MSED 3003</td>
<td>Middle School Student</td>
</tr>
<tr>
<td>MSED 3013</td>
<td>Middle School Concept</td>
</tr>
<tr>
<td>MSED 3104</td>
<td>Praxis I</td>
</tr>
</tbody>
</table>

**Courses requiring admission to Professional Education**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>MSED 4043</td>
<td>Assessment, Evaluation, and Measurement</td>
</tr>
<tr>
<td>PHSC 3003/3000</td>
<td>Science for the Elementary Teacher/Lab</td>
</tr>
<tr>
<td>MSED 3043</td>
<td>Integrated Language Arts</td>
</tr>
<tr>
<td>SED 3313</td>
<td>Methods and Materials of Social Studies</td>
</tr>
<tr>
<td>MSED 3033</td>
<td>Integration</td>
</tr>
<tr>
<td>MSED 4124</td>
<td>Praxis III</td>
</tr>
<tr>
<td>EDUC 4003</td>
<td>Student Teaching Seminar</td>
</tr>
<tr>
<td>MSED 4006</td>
<td>Student Teaching I</td>
</tr>
<tr>
<td>MSED 4016</td>
<td>Student Teaching II</td>
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</table>

**Math Requirements for Math/Science Focus**

**Upper Grades Focus**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MATH 2033</td>
<td>Discrete Mathematics</td>
</tr>
<tr>
<td>MATH 3043</td>
<td>Applied Probability and Statistics</td>
</tr>
<tr>
<td>MATH 4053</td>
<td>Higher Order Thinking in Mathematics</td>
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</tbody>
</table>

Choose one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2123</td>
<td>Applied Calculus for Technology</td>
</tr>
<tr>
<td>MATH 1525</td>
<td>Calculus I</td>
</tr>
</tbody>
</table>

**Lower Grades Focus**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2033</td>
<td>Discrete Mathematics</td>
</tr>
<tr>
<td>MATH 4293</td>
<td>Modern Math for Middle Level Teachers II</td>
</tr>
<tr>
<td>MATH 4393</td>
<td>Geometry for Elementary and Middle School Teachers</td>
</tr>
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</table>

Choose one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1525</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 2123</td>
<td>Applied Calculus for Technology</td>
</tr>
</tbody>
</table>

**Science Requirements for Math/Science Focus**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PHYS 4003</td>
<td>Astronomy</td>
</tr>
<tr>
<td>BIOL 3093/3091</td>
<td>Environmental Biology/Lab</td>
</tr>
<tr>
<td>PHYS 2003/2001</td>
<td>General Physics/Lab (if not taken as General Education)</td>
</tr>
</tbody>
</table>
4 hours selected from the following (if not included in General Education):
CHEM 1013/1011 General Chemistry I/Lab
CHEM 1023/1021 University Chemistry I/Lab

4 hours selected from the following (if not included in General Education):
GEOL 1003/1001 Physical Geology/Lab
GEOL 1013/1011 Historical Geology/Lab

**Major in Middle School Education with an emphasis in Social Studies and Language Arts (B.S.E)**
To obtain a bachelor of science in education majoring in middle school education with an emphasis in social studies and language arts, the student must earn at least a grade point average of 2.5 on all university credits, complete the required courses, and successfully complete the Praxis I (PPST) and Praxis II tests.

**General Education** - 50 hours
**Composition** - 6 hours
ENGL 1113 Composition I
ENGL 1123 Composition II

**Humanities** - 15 hours
SPCH 1113 Speech
ENGL 2213 Literature I
ENGL 2223 Literature II
3 hours foreign language

3 hours selected from the following:
ART 2013 Introduction to Fine Arts: Art
MUS 2013 Introduction to Fine Arts: Music

**Social Science** - 12 hours
6 hours selected from the following (at least 3 hours must be United States history):
HIST 1003 History of Civilization to 1700
HIST 1013 History of Civilization since 1700
HIST 2013 History of the U.S. to 1876
HIST 2023 History of the U.S. since 1876

**Other** - 6 hours required
PSCI 2003 American Government: National
GEOG 2003 Introduction to Geography

**Biological Science** - 4 hours
BSCI 1013/1011 The Biological Sciences/Lab
BIOL 1013/1011 Invertebrate Zoology/Lab
BIOL 1023/1021 Vertebrate Zoology/Lab
BIOL 1033/1031 General Botany/Lab

**Physical Science - 4 hours**
PHSC 2023/2021 The Physical Sciences/Lab
CHEM 1013/1011 General Chemistry I/Lab
CHEM 1023/1021 University Chemistry I/Lab
GEOL 1003/1001 Physical Geology/Lab
PHYS 2003/2001 General Physics I/Lab
PHYS 2203/2201 University Physics I/Lab

**Mathematics - 3 hours**
MATH 1023 College Algebra

**Health Science/Physical Education - 6 hours**
HS 1403 Personal and Community Health
PHED 3 hours of activity electives (These courses may not be repeated, and no credit is given for varsity athletic participation.)

**Professional Requirements**

**Courses required prior to admission to Professional Education**
EDUC 1001 Educational Technology
EDUC 2003 Introduction to Education
EDUC 2000 Educational Field Experience, Level I

Students should complete the Pre-Professional Skills Test and apply for admission to the School of Education.

**Courses not requiring admission to Professional Education**
SPED 4073 Survey of Exceptional Children
MSED 3003 The Middle School Student
MSED 3013 Middle School Concept
MSED 3114 Praxis I

**Courses requiring admission to Professional Education**
PHSC 3003/3000 Science for the Elementary Teacher/Lab
MATH 4293 Modern Math for Middle School Teachers II
SED 3313 Methods and Materials of Social Studies
MSED 4043 Assessment, Evaluation, and Measurement
MSED 3043 Middle School Language Arts
MSED 3023 Integration
MSED 4114 Praxis III
EDUC 4003 Student Teaching Seminar
MSED 4006 Student Teaching I
MSED 4016 Student Teaching II
Language Arts Requirements for Social Studies/Language Arts Focus

ENGL 3043 Comparative Grammar

3 hours selected from the following:
ENGL 3103 Advanced Composition
ENGL 4653 Creative Writing Workshop

6 hours selected from the following:
ENGL 3623 American Literature I
ENGL 3633 American Literature II
ENGL 3483 Modern World Literature
ENGL 3613 20th Century: American Perspectives

*Other upper division literature classes may be substituted.

Social Studies Requirements for Social Studies/Language Arts Focus

HIST 3083 Arkansas History

9 hours of history electives: can be any level
3 hours of upper division social science elective

Non-history Emphasis

HIST 3083 Arkansas History

15 hours of upper division courses in a single social science discipline to bring total hours in the discipline to 18 including General Education

Secondary Education

Major and Supporting Field (B.S.E.)

To obtain a Bachelor of Science in Education degree with a subject area specialty, the student must complete the requirements for a teaching major and any needed supporting (second) field as described below.

Formal admission to the Professional Education Program is required prior to taking 3000- or 4000-level professional education courses.

General Education - 50 hours

Composition - 6 hours
ENGL 1113 Composition I
ENGL 1123 Composition II

Fine Arts/Humanities - 15 hours
ART 2013 Introduction to Fine Arts: Art
MUS 2013 Introduction to Fine Arts: Music
SPCH 1113 Principles of Speech

and

6 hours selected from the following:
ENGL 2213  Literature I
ENGL 2223  Literature II
PHIL 2403  Introduction to Philosophy

Health Science/Physical Education - 6 hours
HS 1403  Personal and Community Health
PHED 1501  Concepts of Physical Activity and Wellness
PHED 2 hours of activity electives (These courses may not be repeated, and no credit is given for varsity athletic participation.)

Mathematics - 3 hours
MATH 1023  College Algebra

Biological Science - 4 hours selected from the following:
BIOL 1013/1011  Invertebrate Zoology/Lab
BIOL 1023/1021  Vertebrate Zoology/Lab
BIOL 1033/1031  General Botany/Lab
BSCI 1013/1011  The Biological Sciences/Lab

Physical Science - 4 hours selected from the following:
CHEM 1013/1011  General Chemistry I/Lab
CHEM 1023/1021  University Chemistry I/Lab
GEOL 1003/1001  Physical Geology/Laboratory
PHSC 2023/2021  The Physical Sciences/Lab
PHYS 2003/2001  General Physics I/Lab
PHYS 2203/2201  University Physics I/Lab

Social Science - 12 hours
HIST 2013  History of the U.S. to 1876
or
HIST 2023  History of the U.S. since 1876
PSCI 2003  American Government: National
PSYC 3013  Educational Psychology
3 hours of history elective

Professional Educational Requirements for the Following Major Areas in Secondary Education
EDUC 1001  Educational Technology Applications
EDUC 1002  Introduction to Computers in Education
EDUC 2000  Educational Field Experience, Level I
EDUC 2003  Introduction to Education
PSYC 3013  Educational Psychology
PSYC 4083  Adolescent Psychology
SED 3003  Secondary and Middle School Curricula

Courses requiring admission to Professional Education
EDUC 4003   Student Teaching Seminar
EDUC 4043*  Assessment, Evaluation, Measurement
S ED 3002   Supervised Field Experience, Level II
S ED 3302   Supervised Field Experience – Health, Kinesiology, and Recreation
S ED 3723   Methods and Materials in Health, Kinesiology, and Recreation
S ED 4006   Student Teaching I
S ED 4016   Student Teaching II
SPED 4073   Survey of Exceptional Children
3 hours of subject matter methods

*To be counted toward the B.S.E. degree, this course may be taken with conditional admission as determined by a degree plan review by the dean of the School of Education.

All secondary teaching majors require a supporting field (a second teaching area) unless otherwise indicated. Some majors are approved composite majors and do not require a supporting field.

**Major Areas**

**Agriculture Education** (see School of Science and Technology)

**Art Education Major (K-12)*** 52 hours

**ART 1013** Drawing I
**ART 1023** Three-Dimensional Design
**ART 1113** Drawing II
**ART 1043** Two-Dimensional Design
**ART 2023** Printmaking
**ART 2063** Ceramics I
**ART 2103** Painting I
**ART 2113** Painting II
**ART 3013** Decorative Arts
**ART 3023** Art History I
**ART 3063** Ceramics II
**ART 3123** Art History II
**ART 3213** Public School Art
**ART 4033** Art History III
**ART 4041** Exhibition Techniques
**E ED 4016** Student Teaching II
**PSYC 3123** Child Growth and Development

*Art K-12 does not require a supporting field.
Art Education as a Supporting Field - 30 hours
ART 1013 Drawing I
ART 1023 Three-Dimensional Design
ART 1113 Drawing II
ART 1043 Two-Dimensional Design
ART 2063 Ceramics I
ART 2103 Painting I
ART 3013 Decorative Arts
ART 3123 History of Art II
ART 3213 Public School Art
PSYC 3123 Child Growth and Development

Biological Science Education Major - 63-65 hours (counting major courses included in general education requirements)
BIOL 1013/1011 Invertebrate Zoology/Lab
BIOL 1023/1021 Vertebrate Zoology/Lab
BIOL 1033/1031 General Botany/Lab
BIOL 3122/3112 Embryology/Lab
BIOL 3032/3022 General Microbiology/Lab
BIOL 3033/3031 Genetics/Lab
BIOL 3043 Cell Biology
BIOL 4013/4011 Ecology/Lab
BIOL 4402 Integrated Sciences for Secondary Teachers
BIOL 4891 Independent Research in Biology
or
BIOL 4991 Independent Research in Biology

*To be counted toward the B.S.E. degree, these courses may be taken with conditional admission as determined by a degree plan review by the dean of the School of Education.

3 hours of biology electives
CHEM 1023/1021 University Chemistry I/Lab
CHEM 1123/1121 University Chemistry II/Lab
CHEM 3003/3001 Organic Chemistry I/Lab
CSCI 1102/1101 Introduction to Computer Science/Applications for CSCI 1102
GEOL 1013/1011 Historical Geology/Lab
MATH 1023 College Algebra
MATH 1033 Plane Trigonometry
PHYS 2003/2001 General Physics I/Lab and PHYS 2103/2101 General Physics II/Lab
or
PHYS 2203/2201 University Physics I/Lab and PHYS 2213/2211 University Physics II/Lab
(A supporting field is required. A minimum of 14 semester hours of supporting field coursework must differ from those which are counted toward completion of the major field requirements.)

**Biological Science Education as a Supporting Field** - 29-31 hours (counting major courses included in general education requirements)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>BIOL 1013/1011</td>
<td>Invertebrate Zoology/Lab</td>
</tr>
<tr>
<td>BIOL 1023/1021</td>
<td>Vertebrate Zoology/Lab</td>
</tr>
<tr>
<td>BIOL 1033/1031</td>
<td>General Botany/Lab</td>
</tr>
<tr>
<td>BIOL 3032/3022</td>
<td>General Microbiology/Lab</td>
</tr>
<tr>
<td>BIOL 3033/3031</td>
<td>Genetics/Lab</td>
</tr>
<tr>
<td>BIOL 3093</td>
<td>Environmental Biology</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>BIOL 4013/4011</td>
<td>Ecology/Lab</td>
</tr>
<tr>
<td>BIOL 4402*</td>
<td>Integrated Sciences for Secondary Teachers</td>
</tr>
</tbody>
</table>

*To be counted toward the B.S.E. degree, these courses may be taken with conditional admission as determined by a degree plan review by the dean of the School of Education.

One additional biology course or one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1023/1021</td>
<td>University Chemistry I/Lab</td>
</tr>
<tr>
<td>GEOL 1013/1011</td>
<td>Historical Geology/Lab</td>
</tr>
<tr>
<td>PHYS 2003/2001</td>
<td>General Physics I/Lab</td>
</tr>
</tbody>
</table>

Recommended electives:

CSCI 1102/1101 Introduction to Computer Science/Applications for CSCI 1102 and MATH 1033 Plane Trigonometry

**Business Education Major** - 39 hours

The Business Education courses outlined in this section identify current requirements for Spring 2002 ONLY. A newly designed licensure program, which will receive approval no later than the spring of 2002, will differ in many ways from the present program.

After final approval of the new program, all beginning freshmen starting in the fall 2002 semester will be provided with new degree plans and course requirements. It is highly advised that ALL students work closely with their academic advisors.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>ACCT 2003</td>
<td>Principles of Accounting I</td>
</tr>
<tr>
<td>ACCT 2103</td>
<td>Principles of Accounting II</td>
</tr>
<tr>
<td>CIS 2033</td>
<td>Office Technology and Word Processing</td>
</tr>
</tbody>
</table>

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CIS 2053 Business Information Systems
CIS 2073 Desktop Publishing
ECON 2003 Principles of Macroeconomics
or
ECON 2103 Principles of Microeconomics
GBUS 1053 Advanced Keyboarding
GBUS 2013 Quantitative Analysis I
GBUS 3003 Legal Environment of Business
GBUS 3063 Managerial Communications
GBUS 3073 Advanced Managerial Communications
MGMT 3023 Organizational Theory and Behavior
MKTG 3033 Principles of Marketing

Additionally, students elect either a secretarial or computer technology endorsement.

Computer Technology Endorsement with Business Education - 6 hours
In addition to computer technology courses required in the business education major, the following six hours are required for the computer technology endorsement.

3 hours of computer information services (Programming 2000-level or above)
and
CIS 2203 Introduction to Networking I

Vocational Education Endorsement
In addition to the methods and materials course in the business education major, the following requirements must be met for the vocational endorsement:

1. 6 credit hours selected from the following:
   BUS 5443 Methods and Materials in New Technology
   BUS 5553 Directed Field Experience
   BUS 6063 Trends in Vocational Business
   and
2. A minimum of 2,000 hours of work experience as a paid employee in a business office. (BUS 5553 will suffice for a maximum of 500 hours of work experience.)

Business Education as a Supporting Field with Computer Technology Endorsement - 42 hours
ACCT 2003 Principles of Accounting I
ACCT 2103 Principles of Accounting II
CIS 2053 Introduction to Business Information Systems  
CIS 4303 Management Information Systems  
CIS 2033 Office Technology and Word Processing  
ECON 2003 Principles of Macroeconomics  
GBUS 2013 Quantitative Analysis I  
GBUS 3003 Legal Environment of Business  
GBUS 3063 Managerial Communications  
GBUS 3073 Advanced Managerial Communications  
GBUS 3073 Managerial Communications  
MGMT 3023 Organizational Theory and Behavior  
MGMT 3033 Principles of Marketing  
6 additional hours of computer applications and concepts at the 2000-level or above

**Business Education as a Supporting Field with Secretarial Endorsement** - 39 hours  
ACCT 2003 Principles of Accounting I  
ACCT 2103 Principles of Accounting II  
CIS 2003 COBOL Programming  
CIS 2053 Business Information Systems  
CIS 2073 Desktop Publishing  
3 additional hours of computer information services at the 2000-level or above  
ECON 2003 Principles of Macroeconomics  
GBUS 1053 Advanced Keyboarding  
GBUS 2013 Quantitative Analysis I  
GBUS 3003 Legal Environment of Business  
GBUS 3063 Managerial Communications  
GBUS 3073 Advanced Managerial Communications  
MKTG 3033 Principles of Marketing  

**Chemistry Education Major** - 71 Hours (counting major courses included in general education requirements)  
BIOL 1013/1011 Invertebrate Zoology/Lab  
or  
BIOL 1023/1021 Vertebrate Zoology/Lab  
or  
BIOL 1033/1031 General Botany/Lab  

CHEM 1023/1021 University Chemistry I/Lab  
CHEM 1123/1121 University Chemistry II/Lab  
CHEM 2013/2001 Analytical Chemistry/Lab  
CHEM 3003/3001 Organic Chemistry I/Lab  
CHEM 3103/3101 Organic Chemistry II/Lab  
CHEM 3023/3021 Physical Chemistry I/Lab  
CHEM 3123/3121 Physical Chemistry II/Lab  
CHEM 4003/4001 Biochemistry I/Lab  

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CSCI 1102/1101 Introduction to Computer Science/Applications for CSCI 1102
GEOL 1003/1001 Physical Geology/Lab
GEOL 1013/1011 Historical Geology/Lab
MATH 1023 College Algebra and MATH 1033 Plane Trigonometry
MATH 1045 Precalculus Mathematics
MATH 1525 Calculus I
MATH 1545 Calculus II
PHYS 2203/2201 University Physics I/Lab
PHYS 2213/2211 University Physics II/Lab
PHYS 4402* Integrated Sciences for Secondary Teachers and PHYS 3201* Physical Science Laboratory Techniques
or
BIOL 4402* Integrated Sciences for Secondary Teachers and PHYS 3201* Physical Science Laboratory Techniques
*To be counted toward the B.S.E. degree, these courses may be taken with conditional admission as determined by a degree plan review by the dean of the School of Education.

Chemistry Education as a Supporting Field - 32 hours (counting major courses included in general education requirements)

24 hours in chemistry selected from the following six courses:
CHEM 1023/1021 University Chemistry I/Lab
CHEM 1123/1121 University Chemistry II/Lab
CHEM 2013/2001 Analytical Chemistry/Lab
CHEM 3003/3001 Organic Chemistry I/Lab
CHEM 3103/3111 Organic Chemistry II/Lab
CHEM 3113/3111 Instrumental Analysis/Lab
either an upper-level chemistry course or both PHYS 2203/2201 University Physics I/Lab and PHYS 2213/2211 University Physics II/Lab
and
PHYS 4402* Integrated Sciences for Secondary Teachers and PHYS 3201* Physical Science Laboratory Techniques
or
BIOL 4402* Integrated Sciences for Secondary Teachers and PHYS 3201* Physical Science Laboratory Techniques
*To be counted toward the B.S.E. degree, these courses may be taken with conditional admission as determined by a degree plan review by the dean of the School of Education.
Recommended electives:
CSCI 1102/1101, MATH 1033, MATH 1525, and MATH 1545

**English Education Major** – 51-59 hours (counting major courses included in general education requirements)

- ENGL 1113 Composition I
- ENGL 1123 Composition II
- ENGL 2213 Literature I
- ENGL 2223 Literature II
- ENGL 3043 Comparative English Grammar
- ENGL 3103 Advanced Composition
- ENGL 3583 Shakespeare
- ENGL 3623 American Literature I
- ENGL 3633 American Literature II
- ENGL 3643 Literary Theory
- ENGL 3653 Introduction to English Language Studies
- ENGL 4623 British Literature I
- ENGL 4633 British Literature II

6 additional hours of upper-level English electives

S ED 3013 Methods and Materials in Secondary and Middle School English and Speech

6-14 hours of foreign language (completion of the second year of a modern foreign language)

*(English does not require a supporting field.)*

An additional graduation requirement for all students majoring in English (in both the B.A. English and B.S.E. English education programs) is the successful completion of a senior project as a capstone experience during the senior year. The student’s overall performance will be judged by an English faculty committee as 1) Passed with Honors; 2) Passed; 3) Failed. These assessments will be listed on student transcripts.

**English Education as a Supporting Field** - 30 hours (counting major courses included in general education requirements)

- ENGL 1113 Composition I
- ENGL 1123 Composition II
- ENGL 2213 Literature I
- ENGL 2223 Literature II
- ENGL 3043 Comparative Grammar
- ENGL 3103 Advanced Composition
- ENGL 3623 American Literature I
- ENGL 3633 American Literature II
- ENGL 4623 British Literature I
- ENGL 4633 British Literature II
French Education as a Supporting Field - 27 hours
FREN 2033 Intermediate French I
FREN 2043 Intermediate French II
FREN 3163 French Conversation and Composition
FREN 3693 French Civilization
FREN 3973 French Phonetics
FREN 3993 Advanced French Grammar
FREN 4283 Survey of French Literature I
FREN 4293 Survey of French Literature II
S ED 3713 Methods and Materials in Secondary and Middle School Foreign Languages

Life/Earth Science Education Major
(Biology Emphasis) - 55 hours (counting major courses included in general education requirements)
BIOL 1013/1011 Invertebrate Zoology/Lab
BIOL 1023/1021 Vertebrate Zoology/Lab
BIOL 1033/1031 General Botany/Lab
BIOL 4402* Integrated Sciences for Secondary Teachers
BIOL 4891 Independent Research in Biology
or
BIOL 4991 Independent Research in Biology

*To be counted toward the B.S.E. degree, this course may be taken with conditional admission as determined by a degree plan review by the dean of the School of Education.

CHEM 1023/1021 University Chemistry I/Lab and CHEM 1123/1121 University Chemistry II/Lab
or
CHEM 1013/1011 General Chemistry I/Lab and CHEM 1113/1111 General Chemistry II/Lab
CSCI 1102/1101 Introduction to Computer Science/Applications for CSCI 1102
GEOL 1003/1001 Physical Geology/Lab and GEOL 1013/1011 Historical Geology/Lab
PHYS 2003/2001 General Physics I/Lab and PHYS 2103/2101 General Physics II/Lab
or
PHYS 2203/2201 University Physics I/Lab and PHYS 2213/2211 University Physics II/Lab

12 hours additional approved junior- or senior-level electives in biology, chemistry, geology, or physics
Life/Earth Science Education Major
(Physical Science Emphasis) - 58 hours (counting major courses included in general education requirements)

BIOL 1013/1011 Invertebrate Zoology/Lab
BIOL 1023/1021 Vertebrate Zoology/Lab
BIOL 1033/1031 General Botany/Lab
CHEM 1023/1021 University Chemistry I/Lab and CHEM 1123/1121 University Chemistry II/Lab

or
CHEM 1013/1011 General Chemistry I/Lab and CHEM 1113/1111 General Chemistry II/Lab

CSCI 1102/1101 Introduction to Computer Science/Applications for CSCI 1102
GEOL 1003/1001 Physical Geology/Lab and GEOL 1013/1011 Historical Geology/Lab
PHYS 2003/2001 General Physics I/Lab and PHYS 2103/2101 General Physics II/Lab

or
PHYS 2203/2201 University Physics I/Lab and PHYS 2213/2211 University Physics II/Lab
PHYS 4402* Integrated Sciences for Secondary Teachers and PHYS 3201* Physical Science Laboratory Techniques
PHYS 4003 Astronomy

*To be counted toward the B.S.E. degree, these courses may be taken with conditional admission as determined by a degree plan review by the dean of the School of Education.

12 hours additional approved junior- or senior-level electives in chemistry, geology, or physics

Life/Earth/Physical Science Education as a Supporting Field - 32 hours (counting major courses included in general education requirements)

BIOL 1013/1011 Invertebrate Zoology/Lab

or
BIOL 1023/1021 Vertebrate Zoology/Lab
BIOL 1033/1031 General Botany/Lab
CHEM 1023/1021 University Chemistry I/Lab and CHEM 1123/1121 University Chemistry II/Lab

or
CHEM 1013/1011 General Chemistry I/Lab and CHEM 1113/1111 General Chemistry II/Lab
GEOL 1003/1001 Physical Geology/Lab
or
GEOL 1013/1011 Historical Geology/Lab

PHYS 2003/2001 General Physics I/Lab or
PHYS 2203/2201 University Physics I/Lab
and
PHYS 2103/2101 General Physics II/Lab or
PHYS 2213/2211 University Physics II/Lab

BIOL 4402* Integrated Sciences for Secondary Teachers and BIOL 4891* or BIOL 4991* Independent Research in Biology (for biology emphasis)
or
PHYS 4402* Integrated Sciences for Secondary Teachers and PHYS 3201* Physical Science Laboratory Techniques (for physical science emphasis)

*To be counted toward the B.S.E. degree, these courses may be taken with conditional admission as determined by a degree plan review by the dean of the School of Education.

Recommended electives:
BIOL 3093, CSCI 1102/1101, MATH 1033, and MATH 4073

**Journalism Education as a Supporting Field** - 24 hours
BJ 4003 Advanced Electronic News Gathering
PJ 2103 Design I - Newspaper
PJ 2203 Advanced News Reporting
PJ 3003 Feature Writing
PJ 3103 Principles of Public Relations
PJ 3203 Design II - Magazine
PJ 4013 Publicity, Media, and Campaigns
PJ 4023 Methods of Specialized News Reporting

**Mathematics Education Major** - 48 hours (counting major courses included in general education requirements)
CSCI 1102/1101 Introduction to Computer Science/Applications for CSCI 1102

MATH 1525 Calculus I
MATH 1545 Calculus II
MATH 2033 Discrete Mathematics
MATH 2753 Linear Algebra
MATH 3063 Abstract Algebra
MATH 4003 College Geometry
MATH 4053 Higher Order Thinking in Mathematics
MATH 4073 Introduction to Probability and Statistics
MATH 4123 History of Mathematics

PHYS 2003/2001 General Physics I/Lab and PHYS 2103/2101 General Physics II/Lab

or

PHYS 2203/2201 University Physics I/Lab and PHYS 2213/2211 University Physics II/Lab

6 hours selected from the following:
MATH 3033 Differential Equations
MATH 3083 Principles of Analysis
MATH 4023 Point-Set Topology
MATH 4033 Introduction to Complex Variables
MATH 4043 Numerical Analysis
MATH 4613 Special Topics

Mathematics Education as a Supporting Field - 22 hours (counting major courses included in general education requirements)
MATH 1525 Calculus I
MATH 1545 Calculus II
MATH 2033 Discrete Mathematics
MATH 2073 Linear Algebra
MATH 3063 Abstract Algebra
MATH 4003 College Geometry

Physics Education Major - 77 hours (counting major courses included in general education requirements)
26 hours selected from the following:
BIOL 1013/1011 Invertebrate Zoology/Lab
or
BIOL 1023/1021 Vertebrate Zoology/Lab
or
BIOL 1033/1031 General Botany/Lab
CHEM 1023/1021 University Chemistry I/Lab
CHEM 1123/1121 University Chemistry II/Lab
GEOL 1003/1001 Physical Geology/Lab
or
GEOL 1013/1011 Historical Geology/Lab
GEOL 2003 Environmental Geology
or
BIOL 3093 Environmental Biology
CSCI 1102/1101 Introduction to Computer Science/Applications for CSCI 1102
PHYS 4402/3201* Integrated Sciences for Secondary Teachers/Physical Science Laboratory Techniques

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*To be counted toward the B.S.E. degree, these courses may be taken with conditional admission as determined by a degree plan review by the dean of the School of Education.

18–19 hours of math selected from the following:

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<tr>
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<tbody>
<tr>
<td>MATH 1023</td>
<td>College Algebra</td>
</tr>
<tr>
<td>or</td>
<td>MATH 1033 Plane Trigonometry</td>
</tr>
<tr>
<td>MATH 1045</td>
<td>Precalculus Mathematics</td>
</tr>
<tr>
<td>MATH 1525</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 1545</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MATH 3033</td>
<td>Differential Equations</td>
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32 hours of physics:

<table>
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<th>Course Name</th>
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<tbody>
<tr>
<td>PHYS 2203/2201</td>
<td>University Physics I/Lab</td>
</tr>
<tr>
<td>PHYS 2213/2211</td>
<td>University Physics II/Lab</td>
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<tr>
<td>PHYS 3033</td>
<td>Electricity and Magnetism I</td>
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<td>PHYS 3054</td>
<td>Modern Physics</td>
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<td>PHYS 3112</td>
<td>Advanced Physics Laboratory Theory</td>
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<td>PHYS 4043</td>
<td>Physical Mechanics I</td>
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<tr>
<td>PHYS 4793</td>
<td>Advanced Topics in Physics I</td>
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9 hours selected from the following:

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<tr>
<td>PHYS 3023/3021</td>
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</tr>
<tr>
<td>PHYS 4003</td>
<td>Astronomy</td>
</tr>
<tr>
<td>PHYS 4023</td>
<td>Solid State Physics</td>
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<tr>
<td>PHYS 4592</td>
<td>Independent Study in Physics</td>
</tr>
<tr>
<td>PHYS 4692</td>
<td>Independent Study in Physics</td>
</tr>
<tr>
<td>PHYS 4893</td>
<td>Advanced Topics in Physics II</td>
</tr>
<tr>
<td>PHYS 4993</td>
<td>Advanced Topics in Physics III</td>
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Physics Education as a Supporting Field - 27 Hours

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 2203/2201</td>
<td>University Physics I/Lab</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>PHYS 2003/2001</td>
<td>General Physics I/Lab</td>
</tr>
<tr>
<td>PHYS 2213/2211</td>
<td>University Physics II/Lab</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>PHYS 2103/2101</td>
<td>General Physics II/Lab</td>
</tr>
<tr>
<td>PHYS 2033</td>
<td>Electrical Circuits I</td>
</tr>
<tr>
<td>PHYS 3033</td>
<td>Electricity and Magnetism I</td>
</tr>
<tr>
<td>PHYS 3054</td>
<td>Modern Physics</td>
</tr>
<tr>
<td>PHYS 3112/3110</td>
<td>Advanced Physics Laboratory Theory/Lab</td>
</tr>
<tr>
<td>PHYS 4003</td>
<td>Astronomy</td>
</tr>
</tbody>
</table>
3 hours selected from the following:

- PHYS 4402* Integrated Sciences for Secondary Teachers and PHYS 3201* Physical Science Laboratory Techniques

or

- BIOL 4402* Integrated Sciences for Secondary Teachers and PHYS 3201* Physical Science Laboratory Techniques

*To be counted toward the B.S.E. degree, these courses may be taken with conditional admission as determined by a degree plan review by the dean of the School of Education.

Recommended electives: CSCI 1102/1101, MATH 1033, and MATH 1525

### Social Studies Education Major

##### (History Emphasis) - 61 hours (including required general education courses)

- ECON 2003 Principles of Macroeconomics
- ECON 2103 Principles of Microeconomics
- GEOG 2003 Introduction to Geography

3 hours of approved geography elective

- HIST 1003 History of Civilization to 1700
- HIST 1013 History of Civilization since 1700
- HIST 2013 History of the United States to 1876
- HIST 2023 History of the United States since 1876
- HIST 3083 History of Arkansas

3 hours U.S. history elective

- HIST 3103 Western Thought I
- HIST 3113 Western Thought II
- HIST 3133 Research Methods

3 hours selected from the following:

- HIST 3053 The Middle East
- HIST 3063 Modern East Asia
- HIST 3073 Modern Latin America

6 hours of world history electives

- PSCI 2003 American Government: National
- PSCI 2013 State and Local Government: Arkansas and U.S.
- PSCI 4083 Global Issues

3 hours selected from the following:

- PSCI 3003 International Relations
- PSCI 3093 American Foreign Policy
- PSCI 4203 Comparative Politics
- PSCI 4053 Comparative Public Policy

A senior paper will be presented to the members of the Department of History, Political Science, and Geography.
Social Studies Education Major
(Political Science Emphasis) - 69 hours (counting major courses included in
general education requirements)

ECON 2003 Principles of Macroeconomics
ECON 2103 Principles of Microeconomics
GEOG 2003 Introduction to Geography

3 hours of approved geography elective
HIST 1003 History of Civilization to 1700
HIST 1013 History of Civilization since 1700
HIST 2013 History of the United States to 1876
HIST 2023 History of the United States since 1876
HIST 3083 History of Arkansas

3 hours U.S. History elective
PSCI 2003 American Government: National
PSCI 2013 State and Local Government: Arkansas and the U.S.
PSCI 3103 Western Thought I
PSCI 3113 Western Thought II
PSCI 3133 Research Methods
PSCI 4083 Global Issues

3 hours selected from the following:
HIST 3073 Modern Latin America
HIST 3053 The Middle East
HIST 3063 Modern East Asia

18 hours of electives from upper-level political science courses with at least one
course from each of the following fields: international relations/foreign affairs,
comparative politics, and American government.

A senior paper will be presented to the members of the Department of History,
Political Science, and Geography.

Social Studies Education as a Supporting Field - 39 hours (counting major
courses included in general education requirements)

ECON 2003 Principles of Macroeconomics
ECON 2103 Principles of Microeconomics
GEOG 2003 Introduction to Geography

3 hours of approved geography electives
HIST 1003 History of Civilization to 1700
HIST 1013 History of Civilization since 1700
HIST 2013 History of the United States to 1876
HIST 2023 History of the United States since 1876
HIST 3083 History of Arkansas

3 hours of U.S. history electives
PSCI 2003 American Government: National
PSCI 2013 State and Local Government: Arkansas and the U.S.
3 hours from sociology, anthropology, or psychology

**Spanish Education Major** - 33 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>S ED 3713</td>
<td>Methods and Materials in Secondary and Middle School</td>
</tr>
<tr>
<td>SPAN 2033</td>
<td>Intermediate Spanish I</td>
</tr>
<tr>
<td>SPAN 2043</td>
<td>Intermediate Spanish II</td>
</tr>
<tr>
<td>SPAN 3163</td>
<td>Composition and Conversation</td>
</tr>
<tr>
<td>SPAN 3993</td>
<td>Advanced Spanish Grammar</td>
</tr>
<tr>
<td>SPAN 4513</td>
<td>Spanish Civilization</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>SPAN 4623</td>
<td>Spanish American Civilization</td>
</tr>
</tbody>
</table>

15 hours of Spanish electives at the junior-senior level

An additional graduation requirement for all students majoring in Spanish (in both the B.A. Spanish and B.S.E. Spanish education program) is the successful completion of a senior project as a capstone experience during the senior year. The student's overall performance will be judged by a departmental faculty committee as 1) Passed with Honors; 2) Passed; 3) Failed. These assessments will be listed on student transcripts.

**Spanish Education as a Supporting Field** - 27 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>S ED 3713</td>
<td>Methods and Materials in Secondary and Middle School</td>
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<tr>
<td>SPAN 2033</td>
<td>Intermediate Spanish I</td>
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<td>Intermediate Spanish II</td>
</tr>
<tr>
<td>SPAN 3163</td>
<td>Composition and Conversation</td>
</tr>
<tr>
<td>SPAN 3993</td>
<td>Advanced Spanish Grammar</td>
</tr>
<tr>
<td>SPAN 4513</td>
<td>Spanish Civilization</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>SPAN 4623</td>
<td>Spanish American Civilization</td>
</tr>
</tbody>
</table>

9 hours of Spanish electives at the junior-senior level

**Department of Health, Kinesiology, and Recreation (HKR)**

The Department of Health, Kinesiology, and Recreation offers four distinct educational programs for students:

1. Athletic Training
2. Exercise Science
3. Physical Education
4. Recreation
Major in Athletic Training (B.S.)
To obtain a Bachelor of Science degree in Athletic Training, the student must be admitted to the University, admitted to the Athletic Training Educational Program (ATEP), earn a minimum cumulative grade point average of 2.5, earn a minimum grade point average of 2.5 in the major field, complete the pattern of courses listed below, and fulfill the field and clinical experience requirements of the ATEP. The program contains a pre-professional year (freshman year for traditional students) that focuses on academics with an introduction to athletic training. The clinical portion of the ATEP is designed to educate the student in the art and science of athletic training over three academic years, and starts the fall semester of the sophomore year for traditional students. ATEP courses must be taken in the proper sequence. Admission to the University does not automatically mean admission to ATEP. Admissions procedures and criteria are subject to change. Upon completion of the athletic training degree, the student will be prepared to sit for the certifying exam administered by the National Athletic Trainers Association Board of Certification (NATABOC). **This program is a non-teaching degree.**

General Education - 44 hours
Composition - 6 hours
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>6</td>
</tr>
<tr>
<td>ENGL 1123</td>
<td>Composition II</td>
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</tbody>
</table>

Fine Arts/Humanities - 15 hours
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ART 2013</td>
<td>Introduction to Fine Arts: Art</td>
<td></td>
</tr>
<tr>
<td>MUS 2013</td>
<td>Introduction to Fine Arts: Music</td>
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</tr>
<tr>
<td>SPCH 1113</td>
<td>Principles of Speech</td>
<td></td>
</tr>
</tbody>
</table>

6 hours selected from the following:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 2213</td>
<td>Literature I</td>
<td></td>
</tr>
<tr>
<td>ENGL 2223</td>
<td>Literature II</td>
<td></td>
</tr>
<tr>
<td>PHIL 2403</td>
<td>Introduction to Philosophy</td>
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</table>

Mathematics - 3-5 hours selected from the following
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1023</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 1045</td>
<td>Pre-calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 1525</td>
<td>Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

Biological Science - 4 hours selected from the following:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1013/1011</td>
<td>Invertebrate Zoology/Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 1023/1021</td>
<td>Vertebrate Zoology/Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 1033/1031</td>
<td>General Botany/Lab</td>
<td></td>
</tr>
<tr>
<td>BSCI 1013/1011</td>
<td>The Biological Sciences/Lab</td>
<td></td>
</tr>
</tbody>
</table>
Physical Science - 4 hours selected from the following:
CHEM 1013/1011 General Chemistry I/Lab
CHEM 1023/1021 University Chemistry I/Lab
GEOL 1003/1001 Physical Geology/Laboratory
PHSC 2023/2021 The Physical Sciences/Lab
PHYS 2003/2001 General Physics I/Lab
PHYS 2203/2201 University Physics I/Lab

Physical and Health Education - 3 hours
Courses are listed under Major Requirements

Social Science - 12 hours
HIST 2013 History of the U.S. to 1876
or
HIST 2023 History of the U.S. since 1876
PSCI 2003 American Government: National
PSYC 2003 General Psychology
3 additional hours selected from the following
HIST 1003 History of Civilizations to 1700
HIST 1013 History of Civilizations since 1700
HIST 2013 History of the United States to 1876
HIST 2023 History of the United States since 1876

Major Requirements - 85 hours
AT 1001 Gateway to Athletic Training
AT 1011 Aquatic Therapeutic Exercise
AT 1012 Taping and Bandaging
AT 1021 Strength and Conditioning
AT 2003 Evaluation of Upper Extremity
AT 2013 Evaluation of Lower Extremity
AT 2031 Clinical Experience I
AT 2041 Clinical Experience II
AT 3003 Therapeutic Modalities
AT 3012 Pathology of Athletic Injuries
AT 3013 Therapeutic Exercise
AT 3031 Clinical Experience III
AT 3041 Clinical Experience IV
AT 4003 Professional Healthcare Issues
AT 4013 Organization and Administration in Athletic Training
AT 4031 Clinical Experience V
AT 4041 Clinical Experience VI
BIOL 2003 Nutrition and Diet
BIOL 3401 Medical Terminology
ESCI 3003 Psychology of Motor Learning and Development
Admissions Policies and Procedures

To be eligible for admittance into the Athletic Training Education Program at Southern Arkansas University, the student must have a health examination, sign a technical standards acknowledgment form, and meet the following criteria:

1. Be a full-time student at Southern Arkansas University.
2. Have completed the following courses in the fall semester of the pre-professional year with a grade of “B” or better:
   - AT 1001 Gateway to Athletic Training
   - HS 1403 Personal and Community Health
   - HS 3402 First Aid and Safety/CPR.
3. Have completed the required observation hours (120) as outlined in AT 1001.
4. Have maintained a grade point average of 2.5 or better on a 4.0 scale for the fall semester.
5. Have current CPR/First Aid certification from ARC or equivalent.

Students who complete the above requirements are eligible to apply for admission into the Athletic Training Education Program at Southern Arkansas University. The competitive admission process starts with the achievement of the above requirements and continues with the steps listed below.
1. The student must complete the application form (obtain from the Program Director).
2. The student must write a brief summary of professional goals and objectives, indicating sincere interest in and commitment to athletic training as a profession.
3. The student must obtain three character reference forms. One must be from an SAU faculty member (the SAU Athletic Training staff/faculty is excluded).
4. The student must interview with the ATEP selection committee.
5. The student must maintain education in the spring semester of the pre-professional year in the following courses
   - AT 1012 Taping and Bandaging
   - AT 1011 Aquatic Exercise
   - HS 2443 Techniques in the Prevention and Care of Athletic Injuries.
6. The student must show progress towards keeping the minimum 2.5 grade point average as indicated by mid-semester grades during the spring term.

Acceptance

1. All forms and attachments must be turned in to the ATEP Director by the first Monday in December, at which time an interview will be scheduled. Considerations may include the above criteria, the applicant’s background experiences, the applicant’s attendance during the pre-professional courses, and other related criteria.
2. The ATEP committee will accept a number of students so as to maintain an acceptable ratio of athletic training students to athletic training faculty. All students who complete the above process will be notified by March 15 as to their acceptance into the ATEP, which starts during the fall semester for traditional students.
3. The ATEP committee will handle transfer student applications and acceptance into the ATEP on an individual basis.
4. Students not accepted into the ATEP will not be allowed to follow the Bachelor of Science degree plan for Athletic Training.

Major in Exercise Science (B.S.)
Exercise Science is a dynamic educational program that incorporates health related fitness programming and clinical experiences. A student in Exercise Science has a wide variety of professional opportunities including personal training, exercise leadership, program direction, and clinical careers in cardiopulmonary rehabilitation. The program requirements also allow students to continue educational pursuits at the graduate level, if desired.
Major Requirements - 74 hours

EDUC 1002/1001 Introduction to Computers in Education/Educational Technology Laboratory

or

CIS 1033 Introduction to Computers

or

CSCI 1102/1101 Introduction to Computing/Lab

ESCI 3003 Psychology of Motor Learning and Development
ESCI 4013 Biomechanics
ESCI 4333 Electrocardiography
ESCI 4363 Exercise Prescription and Fitness Program
ESCI 4652 Exercise Science Practicum I
ESCI 4663 Exercise Science Practicum II
HKR 1113 Skills and Techniques I
HKR 1123 Skills and Techniques II
HKR 2113 Skills and Techniques III
HKR 2123 Skills and Techniques IV
HKR 3723 Methods and Materials in Kinesiology for Secondary Schools
HKR 3803 Water Safety Instructor and Lifeguarding Certification
HKR 4323 Organization and Administration in Health, Kinesiology, and Recreation
HKR 4343 History and Philosophy of Health, Kinesiology, and Recreation
HKR 4923 Measurement and Evaluation in Health, Kinesiology, and Recreation
HS 1403 Personal and Community Health
HS 2043 Anatomy and Physiology I
HS 3233 Kinesiology
HS 3402 First Aid and Safety/CPR
HS 3421 Basic Care and Prevention of Injuries
HS 4013 Adapted Kinesiology
HS 4243 Physiology of Muscular Activity
MKTG 3033 Principles of Marketing
REC 3653 Leadership in Recreation
REC 3663 Leisure and Aging

11 hours of electives selected from the following:

BIOL 2003 Nutrition and Diet
HS 4023 Drug Use and Abuse in Education and Sports
HS 4433 Advanced Athletic Training Techniques
PSYC 3223 Developmental Psychology
Teaching Major in K-12 Health, Kinesiology, and Recreation (B.S.E)

To obtain a bachelor of science in education degree with a major in health, kinesiology, and recreation, the student must earn a minimum cumulative grade point average of 2.5 and a minimum grade point average of 2.5 in both the major and supporting field, complete the pattern of courses listed below, and fulfill the requirements for a supporting field as described under secondary education.

General and Professional Education Requirements

General Education - 44 hours
Composition - 6 hours
ENGL 1113 Composition I
ENGL 1123 Composition II

Fine Arts/Humanities - 15 hours
ART 2013 Fine Arts: Art
MUS 2013 Fine Arts: Music
SPCH 1113 Principles of Speech
6 hours selected from the following:
ENGL 2213 Literature I
ENGL 2223 Literature II
PHIL 2403 Introduction to Philosophy

Mathematics - 3 semester hours
MATH 1023 College Algebra

Biological Science - 4 hours selected from the following:
BIOL 1013/1011 Invertebrate Zoology/Lab
BIOL 1023/1021 Vertebrate Zoology/Lab
BIOL 1033/1031 General Botany/Lab
BSCI 1013/1011 The Biological Sciences/Lab

Physical Science - 4 hours selected from the following:
CHEM 1013/1011 General Chemistry I/Lab
CHEM 1023/1021 University Chemistry I/Lab
GEOL 1003/1001 Physical Geology/Laboratory
PHSC 2023/2021 The Physical Sciences/Lab
PHYS 2003/2001 General Physics I/Lab
PHYS 2203/2201 University Physics I/Lab

Social Science - 12 hours
HIST 2013 History of the U.S. to 1876
or
HIST 2023 History of the U.S. since 1876
PSCI 2003 American Government: National
PSYC 3013 Educational Psychology
3 hours of history elective

Students must complete the Pre-Professional Skills Test and apply for admission to the School of Education.

Professional Education - 35 hours
EDUC 1001 Education Technology Applications
EDUC 1002 Introduction to Computers in Education
EDUC 2000 Introduction to Education and Field Experience I Lab
EDUC 2003 Introduction to Education and Field Experience I
PSYC 3013 Educational Psychology
PSYC 3123 Child Growth and Development
S ED 3003 The Secondary and Middle School Curricula

Courses requiring admission to Professional Education
E ED 3703 Methods and Materials in Kinesiology for Elementary Schools
E ED 4016 Student Teaching in the Elementary School II
EDUC 4003 Student Teaching Seminars: PET
S ED 3302 Supervised Field Experience – Health, Kinesiology, and Recreation or E ED 3112 Observation-Participation in Elementary Kinesiology Programs (These are companion courses for elementary and secondary methods. Students should select the course at the level in which they plan to teach.)
S ED 3723 Methods and Materials in Health, Kinesiology, and Recreation
S ED 4006 Student Teaching in the Secondary School I. (Student Teaching Block)

Health, Kinesiology, and Recreation K-12 Major - 61 hours
ESCI 3003 Psychology of Motor Learning and Development
HKR 1113 Skills and Techniques I
HKR 1123 Skills and Techniques II
HKR 2113 Skills and Techniques III
HKR 2123 Skills and Techniques IV
HKR 2812 Theory and Fundamentals of Basketball
HKR 3803 Water Safety Instructor and Lifeguarding Certification
HKR 3882 Theory and Techniques in Rhythm Activities
HKR 4323 Organization and Administration of Health, Kinesiology, and Recreation
HKR 4343 History and Philosophy of Health, Kinesiology, and Recreation
HKR 4923 Measurement and Evaluation in Health, Kinesiology, and Recreation
or

**EDUC 4043** Assessment, Evaluation, and Measurement (with the permission of the HKR chair)

**HS 1403** Personal and Community Health
**HS 2043** Human Anatomy and Physiology I
**HS 3233** Kinesiology
**HS 3402** First Aid and CPR
**HS 4013** Adapted Kinesiology
**HS 4243** Physiology of Muscular Activity
**REC 3613** School and Community Recreation
**S ED 3302** Supervised Field Experience – Health, Kinesiology, and Recreation
**S ED 3723** Methods and Materials in Health, Kinesiology, and Recreation

2 hours selected from the following:
**HKR 2822** Theory and Fundamentals of Football
**HKR 3832** Theory and Fundamentals of Baseball
**HKR 3842** Theory and Fundamentals of Track and Field
**HKR 3852** Theory and Fundamentals of Tennis and Volleyball
**REC 2710/2712** Organization and Administration of Intramural Sports/Lab
**REC 3642** Camping and Camp Counseling

**Health, Kinesiology, and Recreation as a Supporting Field 7-12** - 45 hours

**E ED 3703** Methods and Materials in Kinesiology for Elementary Schools
**ESCI 3003** Psychology of Motor Learning and Development
**HKR 4343** History and Philosophy of Health, Kinesiology, and Recreation
**HS 2043** Human Anatomy and Physiology I
**HS 3233** Kinesiology
**HS 4323** Organization and Administration of Health, Kinesiology, and Recreation
**HS 3402** First Aid and CPR
**HS 4013** Adapted Kinesiology
**PSYC 3123** Child Growth and Development
**REC 3613** School and Community Recreation
**S ED 3723** Methods and Materials in Health, Kinesiology, and Recreation

9 hours selected from the following:
**HKR 1113** Skills and Techniques I
**HKR 1123** Skills and Techniques II
**HKR 2113** Skills and Techniques III
**HKR 2123** Skills and Techniques IV
4 hours selected from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HKR 2812</td>
<td>Theory and Fundamentals of Basketball</td>
</tr>
<tr>
<td>HKR 3852</td>
<td>Theory and Fundamentals of Tennis and Volleyball</td>
</tr>
<tr>
<td>HKR 3882</td>
<td>Theory and Techniques of Rhythm Activities</td>
</tr>
<tr>
<td>REC 2710/2712</td>
<td>Organization and Administration of Intramural</td>
</tr>
<tr>
<td></td>
<td>Sports/Lab</td>
</tr>
<tr>
<td>REC 3642</td>
<td>Camping and Camp Counseling</td>
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</table>

**Health Education as a Supporting Field - 26 hours**

<table>
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<th>Course Title</th>
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<tbody>
<tr>
<td>BIOL 2003</td>
<td>Nutrition and Diet</td>
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<tr>
<td>ESCI 3003</td>
<td>Psychology of Motor Learning and Development</td>
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<tr>
<td>HS 1403</td>
<td>Personal and Community Health</td>
</tr>
<tr>
<td>HS 2043</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>HS 3402</td>
<td>First Aid and CPR</td>
</tr>
<tr>
<td>HS 4323</td>
<td>Organization and Administration of Health, Kinesiology, and Recreation</td>
</tr>
<tr>
<td>HS 4413</td>
<td>Health Education in the School</td>
</tr>
<tr>
<td>PSYC 3123</td>
<td>Child Growth and Development</td>
</tr>
<tr>
<td>SOC 3033</td>
<td>Sociology of Marriage and Family</td>
</tr>
</tbody>
</table>

**Endorsements**

**Coaching Endorsement**

Those planning to coach must qualify for an endorsement in coaching. The State Department of Education requirements for coaching licensure (endorsement) include holding a certificate to teach high school physical education or holding, or being eligible to hold, the standard six-year licensure and meeting the requirements listed below.

**Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>HS 2043</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>HS 3402</td>
<td>First Aid and CPR</td>
</tr>
<tr>
<td>HS 3421</td>
<td>Basic Care and Prevention of Injuries</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>HS 2443</td>
<td>Techniques in the Prevention and Care of Athletic Injuries</td>
</tr>
<tr>
<td>HKR 4323</td>
<td>Organization and Administration of Health, Kinesiology, and Recreation</td>
</tr>
</tbody>
</table>

4 hours selected from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HKR 2812</td>
<td>Theory and Fundamentals of Basketball</td>
</tr>
<tr>
<td>HKR 2822</td>
<td>Theory and Fundamentals of Football</td>
</tr>
<tr>
<td>HKR 3842</td>
<td>Theory and Fundamentals of Track and Field</td>
</tr>
</tbody>
</table>
Driver Education Endorsement Program
To obtain an endorsement in driver education, the student must hold, or be eligible to hold, a teaching certificate and must successfully complete the courses listed below.

Requirements
HKR 4113 Driver Education I
HKR 4123 Advanced Driver Education and Traffic Safety II
HS 3402 First Aid and CPR
HS 3421 Basic Care and Prevention of Injuries

Major in Health, Kinesiology, and Recreation (B.S.E.) with special emphasis toward pre-physical therapy and health
This program is designed to prepare individuals for admission to a physical therapy professional curriculum and at the same time acquire a B.S.E. degree in health, kinesiology, and recreation. Students planning to attend schools of physical therapy should ascertain the specific admission requirements of the school of their choice at an early date.

Requirements
General education must include the following:
PSCI 2003 American Government: National
PSYC 3013 Educational Psychology
and 3 hours of American history
(PHED 1001-1491 and PHED 1501 are not required.)

Major requirements include the following:
BIOL 1023/1021 Vertebrate Zoology/Lab
BIOL 2003 Nutrition and Diet
CHEM 1013/1011 General Chemistry I/Lab
CHEM 1113/1111 General Chemistry II/Lab
E ED 3703 Methods and Materials in Kinesiology for Elementary Schools
E ED 4016 Student Teaching in the Elementary School II
EDUC 1001 Education Technology Applications
EDUC 1002 Introduction to Computers in Education
EDUC 2000 Educational Field Experience, Level I
EDUC 2003 Introduction to Education and Field Experience, Level I
EDUC 4003 Student Teacher Seminars: PET
ESCI 3003 Psychology of Motor Learning and Development
HKR 2812 Theory and Fundamentals of Basketball
HKR 3882 Theory and Techniques in Rhythm Activities
HKR 4323 Organization and Administration of Health, Kinesiology, and Recreation
HKR 4343 History and Philosophy of Health, Kinesiology, and Recreation
HKR 4923 Measurement and Evaluation in Health, Kinesiology, and Recreation

or

EDUC 4043 Assessment, Evaluation, and Measurement (with approval of the department chair)

HS 1403 Personal and Community Health
HS 2043 Human Anatomy and Physiology I
HS 3233 Kinesiology
HS 3402 First aid and safety/CPR
HS 4013 Adapted Kinesiology
HS 4243 Physiology of Muscular Activity
PHYS 2003/2001 General Physics I/Lab
PHYS 2103/2101 General Physics II/Lab
PSYC 3123 Child Growth and Development
REC 3613 School and Community Recreation
S ED 3003 The Secondary and Middle School Curricula
S ED 3302 Supervised Field Experience – Health, Kinesiology, and Recreation

or

E ED 3112 Observation-Participation in Elementary Kinesiology Programs
S ED 3723 Methods and Materials in Health, Kinesiology, and Recreation
S ED 4006 Student Teaching in the Secondary School I - Student Teaching Block

9 hours selected from the following:
HKR 1113 Skills and Techniques I
HKR 1123 Skills and Techniques II
HKR 2113 Skills and Techniques III
HKR 2123 Skills and Techniques IV

2 hours selected from the following:
HKR 2822 Theory and Fundamentals of Football
HKR 3832 Theory and Fundamentals of Baseball
HKR 3842 Theory and Fundamentals of Track and Field
HKR 3852 Theory and Fundamentals of Tennis and Volleyball
REC 2712/2710 Organization and Administration of Intramural Sports/Lab
REC 3642 Camping and Camp Counseling

Recommended supporting fields include general science, physical or biological science, health, or other subjects relevant to occupational goals.
These courses must be taken in the year suggested if possible, or scheduling difficulties will emerge in junior and senior years. Skills and Techniques (all four - 12 semester hours) are not prerequisite to each other but should be taken in order as suggested above if possible.

If their high school backgrounds or science tests scores are weak, students should take BSCI 1013/1011 The Biological Sciences/Lab and PHSC 2023/2021 The Physical Sciences/Lab before taking CHEM 1013/1011 General Chemistry I/Lab and PHYS 2003/2001 General Physics I/Lab. If academically strong, students should immediately select CHEM 1013/1011 and PHYS 2002/2001.

Electives recommended (if not chosen above): BIOL 2033, HKR 3301-2, HKR 3832, HKR 3842, HKR 3852, HKR 3882, HKR 4113, HKR 4123, and HKR 4301-2, HS 4413, and SOC 3033

Students must be admitted to the professional education program with a minimum grade point average of 2.5 before they can enroll in 3000- or 4000-level education courses.

**Major in Human Performance, Recreation, and Community Service (B.S.)**

To obtain a bachelor of science degree with a major in human performance, recreation, and community service, the student must earn a minimum grade point average of 2.00 in the major, complete the pattern of courses listed below, and choose the electives which would support the occupational directions being pursued. **This program is a non-teaching degree.**

**Requirements - 84 hours**

Specific general education requirements include the following: PSYC 2003 General Psychology and SOC 2003 Introduction to Sociology

Major requirements include the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>EDUC 1001</td>
<td>Education Technology Applications</td>
</tr>
<tr>
<td>EDUC 1002</td>
<td>Introduction to Computers in Education</td>
</tr>
<tr>
<td>ESCRI 3003</td>
<td>Psychology of Motor Learning and Development</td>
</tr>
<tr>
<td>HS 1403</td>
<td>Personal and Community Health</td>
</tr>
<tr>
<td>HS 2043</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>HS 3402</td>
<td>First Aid and CPR</td>
</tr>
<tr>
<td>HKR 1113</td>
<td>Skills and Techniques I</td>
</tr>
<tr>
<td>HKR 1123</td>
<td>Skills and Techniques II</td>
</tr>
<tr>
<td>HKR 2113</td>
<td>Skills and Techniques III</td>
</tr>
<tr>
<td>HKR 2123</td>
<td>Skills and Techniques IV</td>
</tr>
<tr>
<td>HKR 3703</td>
<td>Methods and Materials in Kinesiology for Elementary Schools</td>
</tr>
<tr>
<td>HKR 3723</td>
<td>Methods and Materials in Kinesiology for Secondary Schools</td>
</tr>
<tr>
<td>HKR 3803</td>
<td>Water Safety Instructor and Lifeguarding Certification</td>
</tr>
</tbody>
</table>

122
HKR 4323  Organization and Administration of Health, Kinesiology, and Recreation
HKR 4343  History and Philosophy of Health, Kinesiology, and Recreation
REC 2712/2710  Organization and Administration of Intramural Sports/Lab
REC 2723  Fall Outdoor Recreational Activities
REC 2733  Spring Outdoor Recreational Activities
REC 3613  School and Community Recreation
REC 3642  Camping and Camp Counseling
REC 3653  Leadership in Recreation
REC 3663  Leisure and Aging
REC 4652*  Recreation Practicum I
REC 4663*  Recreation Practicum II
SPCH 1113  Principles of Speech
THEA 2613  Stagecraft

4 hours selected from the following:
HKR 2812  Theory and Fundamentals of Basketball
HKR 3832  Theory and Fundamentals of Baseball
HKR 3842  Theory and Fundamentals of Track and Field
HKR 3852  Theory and Fundamentals of Tennis and Volleyball
HKR 3882  Theory and Techniques in Rhythm Activities

9 hours selected from the following:
ART 2063  Ceramics I
ART 3013  Crafts
AGEN 1001/1002  Agricultural Structures/Lab
MCOM 2013  Basic Photography
ED 2013  Children’s Literature

2-3 hours of electives:
Recommend HS 4013 Adapted Kinesiology

*REC 4652 and REC 4663 may be any of the following experiences:

Boys' and Girls' Club
Church or community group programs or activities
Columbia County Nutrition & Aging Program, Inc.
Leisure Lodge or Magnolia Manor
Logoly State Park (McNeil)
Magnolia Parks and Recreation Program
Scouting Program
South Arkansas Youth Services, Inc.
Minor in Human Performance, Recreation, and Community Service (B.A., B.B.A., B.S.) - 29-30 hours
(Cannot be used as a supporting field in education)

HKR 3703  Methods and Materials in Kinesiology for Elementary Schools

or

HKR 3723  Methods and Materials in Kinesiology for Secondary Schools

HKR 4323  Organization and Administration of Health, Kinesiology, and Recreation

HKR 4343  History and Philosophy of Health, Kinesiology, and Recreation

REC 3613  School and Community Recreation

6 hours selected from the following:

HKR 1113  Skills and Techniques I
HKR 1123  Skills and Techniques II
HKR 2113  Skills and Techniques III
HKR 2123  Skills and Techniques IV

(PHED 1001-1491, 1501 not required)

6 hours selected from the following:

HKR 2812  Theory and Fundamentals of Basketball
HKR 2822  Theory and Fundamentals of Football
HKR 3803  Water Safety Instructor and Lifeguarding Certification
HKR 3832  Theory and Fundamentals of Baseball
HKR 3842  Theory and Fundamentals of Track and Field
HKR 3852  Theory and Fundamentals of Tennis and Volleyball
HKR 3882  Theory and Techniques in Rhythm Activities
HS 3402  First aid and safety/CPR

5 or 6 hours selected from the following:

REC 2712/2710  Organization and Administration of Intramural Sports/Lab
REC 2723  Fall Outdoor Recreational Activities
REC 2733  Spring Outdoor Recreational Activities
REC 3642  Camping and Camp Counseling
REC 3653  Leadership in Recreation

Electives should be directed at the nature of community services or agency program in which the student is planning to serve.

Recommended electives:  ART 2063 or ART 3013; GEOL 1013/1011 or GEOL 2003; HORT 1003; HKR 3882 (if not selected above) or HKR 3833; HS 4013; PSYC 3123 or PSYC 4123; MGMT 3023; MKTG 3033; PHYS 2023; and SOC 1003
### Minor in Exercise Science - 32 hours

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ESCI 3003</td>
<td>Psychology of Motor Learning</td>
</tr>
<tr>
<td>ESCI 4013</td>
<td>Biomechanics</td>
</tr>
<tr>
<td>ESCI 4333</td>
<td>Instrumentation and Physiological Assessment</td>
</tr>
<tr>
<td>ESCI 4363</td>
<td>Exercise Prescription and Fitness Program</td>
</tr>
<tr>
<td>HS 2043</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>HS 3233</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>HKR 4323</td>
<td>Organization and Administration of Health, Recreation, and Kinesiology</td>
</tr>
<tr>
<td>HKR 4343</td>
<td>History and Philosophy of Health, Kinesiology, and Recreation</td>
</tr>
<tr>
<td>HKR 4923</td>
<td>Measurement and Evaluation in Physical and Health Education and Recreation</td>
</tr>
<tr>
<td>REC 4652</td>
<td>Recreation Practicum I</td>
</tr>
<tr>
<td>REC 4663</td>
<td>Recreation Practicum II</td>
</tr>
</tbody>
</table>

Since this is a highly specialized area, it is strongly suggested that the following courses be taken as foundational course work electives: BIOL 2003, HS 1403, HS 3402, HS 4243, and HS 4023.

### HKR Course Sequence

Courses must be taken in the year suggested if possible, or scheduling difficulties will emerge in junior and senior years. Skills and techniques courses (all four - 12 semester hours) are not prerequisite to each other but should be taken in order. Students must have a minimum grade point average of 2.50 to be admitted to the professional education program and to take 3000 and 4000 courses in education.

Electives recommended: HKR 3301-2; HKR 4301-2; HKR 3832; HKR 3842 or HKR 3852; and REC 2710/2712

Because of the number of hours required for graduation and the number of hours of practicum work needed for athletic training licensure, it will take approximately 4 ½ to 5 years to complete programs of study.

### Department of Music

The purpose of the Department of Music is to prepare students to become effective music educators in primary, elementary, and secondary schools by combining proficiency in each student’s principal applied area with functional keyboard skills, knowledge of music theory and history sufficient to relating applied music within the context of musical tradition and techniques in conducting and technological applications necessary for sound musicianship. Also integral to the purpose of the Music Department is to enrich the musical life of non-music majors, the university, and region by offering student, faculty, and guest-artist performances, and by providing participative, collaborative, and advisory services.
Music Departmental Regulations

All music majors are required to perform at least once each semester in a student recital, and majors and minors are required to take a jury each term.

All candidates for the bachelor of music education (B.M.E.) degree must present a public recital during their senior year. This may be a full recital of 45 minutes, or a joint recital of 30 minutes for each performer with faculty approval. All contemplated music recitals must undergo a preliminary hearing by the members of the music faculty at least two weeks before public performance.

All majors in the B.M.E. program must participate in a major ensemble (instrumental majors in band or orchestra, vocal majors in choir) until the degree is completed, except during the student teaching semester.

Transfer students must have their music credits evaluated by the department chair and the advisor.

Voice and instrumental majors must pass a piano proficiency exam. Students may attempt the proficiency exam at any time prior to the student teaching semester; however, students are strongly encouraged to take and pass the proficiency as early as possible in their course of study.

All piano majors seeking vocal certification must earn six credit hours of applied voice.

All music majors will have a full-faculty hearing at the end of the second semester of the music theory sequence to determine readiness to advance to upper-level study.

Students in applied music and members of musical organizations are required to attend all rehearsals deemed necessary and to take part in public performance when their participation is desired.

Majors are required to register for MUED 1000 Concert/Recital Attendance and receive a grade of CR each semester for up to six semesters. The number of concerts and recitals needed to receive a CR each semester will be posted by the department chair.

Major in Music (B.M.E.)

To obtain a bachelor of music education degree, the student must earn a minimum grade point average of 2.5 in all university credits in music, complete the pattern of courses listed below, and fulfill the requirements listed under the School of Education for admittance to and completion of a program of professional education.
**Requirements** - 144-148 hours

Specific general education requirements include 3 hours of American history, HS 1403, PHED 1501 and two additional hours of PHED activity, PSCI 2003, PSYC 2003, and a 1 hour minimum elective in a non-major course; MUS 2013 is not required.

**Music Education Major** - 61-67 hours

Applied music (major) - 14 hours  
Applied music (minor) – 4-6 hours  
Music Ensemble - 6-7 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>E ED 4006</td>
<td>Student Teaching in the Elementary School</td>
</tr>
<tr>
<td>EDUC 2000</td>
<td>Educational Field Experience, Level I</td>
</tr>
<tr>
<td>EDUC 2003</td>
<td>Introduction to Education and Field Experience, Level I</td>
</tr>
<tr>
<td>EDUC 4003</td>
<td>Student Teaching Seminars: PET</td>
</tr>
<tr>
<td>EDUC 4043</td>
<td>Assessment, Evaluation, and Measurement</td>
</tr>
<tr>
<td>MUED 3053</td>
<td>Methods and Administration of Elementary School Music</td>
</tr>
<tr>
<td>MULI 1013</td>
<td>Introduction to Music</td>
</tr>
<tr>
<td>MULI 4003</td>
<td>History of Music I</td>
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<td>MULI 4103</td>
<td>History of Music II</td>
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<td>MUTH 1003</td>
<td>Written Theory I</td>
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<td>MUTH 1011</td>
<td>Applied Theory I</td>
</tr>
<tr>
<td>MUTH 1103</td>
<td>Written Theory II</td>
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<td>MUTH 1111</td>
<td>Applied Theory II</td>
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<td>MUTH 2003</td>
<td>Written Theory III</td>
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<td>MUTH 2011</td>
<td>Applied Theory III</td>
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<td>MUTH 2103</td>
<td>Written Theory IV</td>
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<td>Applied Theory IV</td>
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<tr>
<td>MUTH 3012</td>
<td>Form and Analysis</td>
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<td>MUED 3001</td>
<td>Brass Methods</td>
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**and**

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<td>MUED 3011</td>
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<tr>
<td>MUED 3021</td>
<td>Percussion Methods</td>
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**or**

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<tbody>
<tr>
<td>MUED 3031</td>
<td>Instrumental Survey</td>
</tr>
<tr>
<td>MUED 3002</td>
<td>Choral Conducting</td>
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</tbody>
</table>

**or**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MUED 3012</td>
<td>Instrumental Conducting</td>
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<tr>
<td>MUED 3061</td>
<td>String Methods</td>
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<tr>
<td>MUED 3203</td>
<td>Media Applications: Orchestration and Arranging</td>
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<tr>
<td>MUED 3212</td>
<td>Methods and Materials of Instrumental Music and</td>
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<td>MUED 3172</td>
<td>Marching Band Techniques</td>
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**or**

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MUED 3233</td>
<td>Methods and Materials in Choral Music</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
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<tr>
<td>PSYC 3013</td>
<td>Educational Psychology</td>
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<tr>
<td>PSYC 3123</td>
<td>Child Growth and Development</td>
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<tr>
<td>S ED 3002</td>
<td>Supervised Field Experience Level II</td>
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<tr>
<td>S ED 3003</td>
<td>The Secondary and Middle School Curricula</td>
</tr>
<tr>
<td>S ED 4016</td>
<td>Student Teaching in the Secondary School I</td>
</tr>
<tr>
<td></td>
<td>Student Teaching Block</td>
</tr>
<tr>
<td>SPCH 1113</td>
<td>Principles of Speech</td>
</tr>
<tr>
<td>SPED 4073</td>
<td>Survey of Exceptional Children</td>
</tr>
</tbody>
</table>

Proficiency in minor field and senior recital.

*(Music P-8 and 7-12 combined does not require a supporting field.)*

**Minor in Music** - 19 hours
- MULI 1013 Introduction to Music
- MUTH 1003 Written Theory I
- MUTH 1011 Applied Theory I
- MUTH 1103 Written Theory II
- MUTH 1111 Applied Theory II

Music Ensemble - 2 hours
Applied Music - 6 hours

**Applied Music Fees** - Additional fees will be assessed for instruction in piano, organ, and other instruments.

When faculty load permits, a limited number of non-university students selected for their musical ability will be accepted for private lessons.
School of Liberal and Performing Arts

Dr. Donald A. Watt, dean

The School of Liberal and Performing Arts provides programs which promote behavioral, linguistic, and artistic understanding, critical thinking and accurate expression, enjoyment, and skillful performance of the arts. The school contributes to the general education of all students by developing their skills in communication, broadening their understanding and appreciation of the diversity of world cultures, providing an introduction to the field of art, and increasing their skills for fulfilling civic and social responsibilities in a democratic society. The school offers degree programs which provide students with the knowledge and experience in fields of specialization which will enable them to enter graduate and professional schools or to qualify for occupational and professional positions suited to their abilities. Degrees are granted in art (studio or graphic design), criminal justice, English, history, mass communication (broadcast or print journalism), political science, psychology, social work, sociology, Spanish, and theatre. The school offers a prelaw program and professional education programs in fine arts, humanities, and social studies. In addition, the school offers minors in French, geography, and religious studies. The school is served by the following departments: Art; Behavioral and Social Sciences; English and Foreign Languages; History, Political Science, and Geography; and Theatre and Mass Communication.

General and Interdisciplinary Studies
Contact the Dean of Liberal and Performing Arts for more information regarding these degrees

Major in General Studies (A.A.) - 64 hours
The Associate of Arts degree in General Studies is offered to students who complete a minimum of 64 semester hours, which must include the normal general education requirements. Students must have a 2.0 or higher grade point average, meet residency requirements, and apply for the degree.

Bachelor Degree in Interdisciplinary Studies Program
The non-traditional Bachelor Degree program is currently undergoing major revisions. Students interested in an individualized program of study that includes courses in multiple disciplines should contact the Dean of Liberal and Performing Arts.

Assessment
The learning goals for each of the major programs and descriptions of the assessment procedures may be found in the departmental assessment reports on the SAU webpage under academics and assessment.
Department of Art
The Art major at SAU works towards exploring the artistic process of expression in a variety of contexts – historical, philosophical, and personal. As an Art major, students develop their creative talents to the fullest while preparing for an art-related career or advanced graduate studies. Degrees conferred are the Bachelor of Arts (B.A.) degree in either Studio Art or Graphic Design and the Bachelor of Science in Education (B.S.E.) degree. The primary goal of the B.A. programs is to prepare students for careers in the professional field. The primary goal of the B.S.E. program is the preparation of art teachers for elementary and secondary schools. B.S.E. majors in art should refer to the School of Education section of this catalog for course requirements.

Various art scholarships are awarded each year to deserving incoming students as well as returning students. These are awarded primarily on the basis of excellent art performance as demonstrated through portfolio reviews, overall classroom proficiency, and art faculty recommendations. Students wishing information concerning these opportunities should contact the Office of Financial Aid or the Department of Art.

The Department of Art maintains an active art gallery with approximately 1600 square feet of exhibition space. Works by artists of national and international reputation, faculty and student works, and cultural artifacts are shown. The SAU art program also offers an added educational dimension by utilizing visiting art professionals each semester.

Art Core Curriculum - 40 hours
ART 1013 Drawing I
ART 1023 Three-Dimensional Design
ART 1043 Two-Dimensional Design
ART 1113 Drawing II
ART 2023 Printmaking
ART 2063 Ceramics I
ART 2103 Painting I
ART 2123 Digital Image Making
ART 3023 Art History I
ART 3123 Art History II
ART 4013 Special Topics in Art
ART 4033 Art History III
ART 4041 Exhibition Techniques
MCOM 2013 Basic Photography

Major in Studio Art (B.A.) - 124 hours
Studio Art majors work toward a creative examination of both real and imagined worlds. Students’ thoughts and observations are expressed through challenges that emphasize a broad scope of two-dimensional and three-dimensional techniques, media, and concepts.
General Education - 40 hours (ART 2013 not required)

Art Core Curriculum - 40 hours

Studio Courses – 21 hours
ART 2113 Painting II
ART 3063 Ceramics II
ART 4003 Sculpture
ART 4113 Special Topics in Art II
ART 4023 Advanced Art Studio I
ART 4043 Portfolio Preparation
ART 4123 Advanced Art Studio II

6-14 hours of foreign language (completion of the second year of a modern foreign language)

A minor area is not required but is recommended.

Completion of remaining additional hours to total 124 hours as approved by the advisor. At least 9 of the additional hours must be junior-senior level.

Major in Graphic Design (B.A.) - 124 hours
Graphic Design majors will appreciate the studio arts and their value as a cultural influence. The Graphic Design major will be introduced to idea building, creative visual development of symbols and pictorial images, and the integration of text and image for the purpose of conveying information about products, services, and ideas. This program offers hands-on, skill building projects using the latest technology to prepare the student for employment within the industry. Some internships are available for credit to upper-level design students by permission. These are encouraged whenever possible.

General Education - 40 hours (ART 2013 not required)

Art Core Curriculum - 40 hours

Graphic Design Courses – 24 hours
ART 2003 Graphic Design I
ART 2033 Typography
ART 3223 Illustration I
ART 3323 Electronic Publishing
ART 3333 Graphic Design II
ART 3343 Illustration II
ART 4043 Portfolio Preparation
ART 4053 Package Design

6-14 hours of foreign language (completion of the second year of a modern foreign language)

A minor area is not required but is recommended.
Completion of remaining additional hours to total 124 hours as approved by the advisor. At least 9 of the additional hours must be junior-senior level. (PJ 2103 and PJ 3203 are recommended.)

**Minor in Studio Art** - 21 hours
- ART 1013 Drawing I
- ART 1023 Three-Dimensional Design
- ART 1043 Two-Dimensional Design
- ART 1113 Drawing II
- ART 2103 Painting I
- ART 2123 Digital Image Making

3 hours selected from the following:
- ART 3023 Art History I
- ART 3123 Art History II
- ART 4033 Art History III

**Minor in Graphic Design** - 18 hours
- ART 1013 Drawing I
- ART 1043 Two-Dimensional Design
  or
- PJ 2103 Design I – Newspaper
- ART 2003 Graphic Design I
- ART 2033 Typography
- ART 3323 Electronic Publishing

3 hours selected from the following:
- ART 3023 Art History I
- ART 3123 Art History II
- ART 4033 Art History III

**Department of Behavioral and Social Sciences**

**Criminal Justice**
The Criminal Justice major is designed to prepare students for entry-level positions in a variety of careers and to enable experienced persons to expand their knowledge and improve their skills. The bachelor’s degree may qualify a person for careers in law enforcement, juvenile justice, corrections, and courts.

**Major in Criminal Justice (B.A.)** - 124 hours
**General Education** - 46 hours (must include PSYC 2003, and SOC 2003)

**Criminal Justice** - 33 hours
- CRJU 2003 Introduction to Criminal Justice
- CRJU 3003 Cultural Diversity
- CRJU 3013 Police Administration
- CRJU 3023 Criminal Evidence and Procedures
- CRJU 3043 Criminal Law
CRJU 3053 Juvenile Justice
CRJU 3073 Corrections
CRJU 3183 Statistics
CRJU 4053 Criminology
6 hours of criminal justice electives

PSCI 2003 American Government: National
PSCI 2013 State and Local Government: Arkansas and the United States

CSCI 1102/1101 Introduction to Computer Science/Applications for CSCI 1102
or
CIS 1033 Introduction to Computers

6-14 hours of foreign language (completion of the second year of a modern foreign language)
Completion of a minor area approved by the advisor
Completion of remaining additional hours to total 124 hours

**Major in Criminal Justice (B.S.) - 124 hours**

**General Education** - 43 hours (must include PSYC 2003 and SOC 2003)

**Criminal Justice** - 33 hours
CRJU 2003 Introduction to Criminal Justice
CRJU 3003 Cultural Diversity
CRJU 3013 Police Administration
CRJU 3023 Criminal Evidence and Procedures
CRJU 3043 Criminal Law
CRJU 3053 Juvenile Justice
CRJU 3073 Corrections
CRJU 3183 Statistics
CRJU 4053 Criminology
6 hours of criminal justice electives

PSCI 2003 American Government: National
PSCI 2013 State and Local Government: Arkansas and the U.S.

CSCI 1102/1101 Introduction to Computer Science/Applications for CSCI 1102
or
CIS 1033 Introduction to Computers

3 hours of electives in science or computer science; student may substitute a course approved by advisor and dean of the School of Liberal and Performing Arts.
Completion of a minor area approved by the advisor
Completion of remaining additional hours to total 124 hours

**Minor in Criminal Justice** - 18 hours
CRJU 2003 Introduction to Criminal Justice
CRJU 3043 Criminal Law
12 hours of criminal justice electives

**Psychology**
The Psychology major attempts

1. to develop the understanding that laws of cause and effect operate in behavior and that behavior can be studied scientifically;
2. to promote understanding of self and others through knowledge of basic principles of psychology;
3. to develop an understanding of how psychological principles may be applied in child rearing, teaching, industry, and other fields of work; and
4. to provide a sound background which will prepare majors for graduate work in psychology or employment in psychology related vocations upon graduation.

A bachelor's degree may qualify a person to work in such areas as mental health care centers, the children's colony, law enforcement agencies, industries (personnel work), various social work agencies, churches, and some private consulting firms. A background in psychology will also be valuable to students planning to enter such professions as industrial relations, the ministry, law, medicine, speech therapy, teaching, counseling, and community planning.

**Major in Psychology (B.A.)** - 124 hours
**General Education** - 43 hours (must include SOC 2003)

**Psychology** - 33 hours
PSYC 2003 General Psychology
PSYC 3093 Physiological and Comparative Psychology
PSYC 3153 Research Methods I
PSYC 3183 Statistics
PSYC 3223 Developmental Psychology
PSYC 4013 Psychological Measurement
PSYC 4043 History and Systems of Psychology
PSYC 4073 Learning
PSYC 4153 Research Methods II
6 hours of psychology electives at the junior-senior level

BIOL 1023 Vertebrate Zoology

or

BIOL 3033 Genetics
CSCI 1102/1101 Introduction to Computer Science/Applications for CSCI 1102

or
CIS 1033 Introduction to Computers

6-14 hours of foreign language (completion of the second year of a modern foreign language)

Completion of a minor area approved by the advisor

Completion of remaining additional hours to total 124 hours

**Major in Psychology (B.S.) - 124 hours**

**General Education** - 43 hours (must include SOC 2003)

**Psychology - 33 hours**
PSYC 2003 General Psychology
PSYC 3093 Physiological and Comparative Psychology
PSYC 3153 Research Methods I
PSYC 3183 Statistics
PSYC 3223 Developmental Psychology
PSYC 4013 Psychological Measurement
PSYC 4043 History and Systems of Psychology
PSYC 4073 Learning
PSYC 4153 Research Methods II

6 hours of psychology electives at the junior-senior level

BIOL 1023 Vertebrate Zoology

or
BIOL 3033 Genetics

CSCI 1102/1101 Introduction to Computer Science/Applications for CSCI 1102

or
CIS 1033 Introduction to Computers

3 hours of electives in science or computer science*

Completion of a minor area approved by the advisor

Completion of remaining additional hours to total 124 hours

*Student may substitute a course approved by advisor and dean of the School of Liberal and Performing Arts.

**Minor in Psychology - 18 hours**
PSYC 2003 General Psychology
PSYC 4073 Learning

12 hours of psychology electives at the junior-senior level
Social Work
The Bachelor of Social Work degree is the entry-level professional degree and the Social Work Program is accredited by the Council on Social Work Education. It enables the undergraduate professional to practice social work in a variety of settings. These settings include hospitals, schools, mental health centers, and other public and private human service agencies. The degree allows the practicing social worker to become eligible for professional licensing in some states including Arkansas. As well as being the entry-level professional degree, the Social Work major offers a good foundation for students who seek graduate-level professional education. The Social Work major can prepare students for advanced degrees in disciplines such as social work, psychology, counseling, and other helping fields. The Social Work program at SAU is grounded in the generalist practice model and works within a multidisciplinary department. It allows the student preparing for a professional practice the exposure to varied disciplines as well as the preparation in social work education.

Major in Social Work (B.S.W.) - 125 hours
General Education - 43 hours (must include PSYC 2003 and SOC 2003)

Social Work - 52 hours
SWK  2043  Introduction to Social Work
SWK  3003  Cultural Diversity
SWK  3023  Human Behavior and Social Environment I
SWK  3033  Human Behavior and Social Environment II
SWK  3113  Social Policy
SWK  3123  Social Work Practice I
SWK  3153  Research Methods I
SWK  3183  Statistics
SWK  3193  Field Observation Experience
SWK  4063  Research Methods for Social Workers
SWK  4123  Social Work Practice II
SWK  4131  Field Practicum Seminar I
SWK  4141  Senior Seminar
SWK  4223  Social Work Practice III
SWK  4231  Field Practicum Seminar II
SWK  4331  Field Practicum Seminar III
SWK  4864  Field Practicum I
SWK  4874  Field Practicum II
SWK  4884  Field Practicum III
6 hours of social work electives
PSCI  2003  American Government: National
PSYC  4033  Abnormal Psychology
SOC   3013  Social Problems
3 hours of either computer information systems or computer science

6 hours foreign language

3 hours international options within social science

3 hours cultural diversity options

Completion of remaining additional hours to total 125 hours

A minor is not required, but is optional.

**Minor in Social Work** - 18 hours

SWK 2043 Introduction to Social Work

15 hours of social work electives, none of which can be practice courses

**Sociology**

The Sociology major is intended to provide insights into the operation of human society and human social interaction and how that social context influences the lives of people, thus providing both an understanding of others as well as oneself. It is designed to prepare the student for occupational opportunities in local, state, and federal service as well as in the private sector. The program is also structured to prepare students for graduate work in sociology, counseling, gerontology, law, and theology.

**Major in Sociology (B.A.)** - 124 hours

**General Education** - 43 hours (must include PSYC 2003)

**Sociology** - 33 hours

SOC 2003 Introduction to Sociology

SOC 3013 Social Problems

SOC 3153 Research Methods I

SOC 3183 Statistics

SOC 4043 Sociological Theory

SOC 4063 Social Psychology

SOC 4093 Research Methods in Sociology

12 hours of sociology electives (No more than 6 hours may be taken as anthropology courses, and a minimum of 6 hours must be at the junior-senior level.)

6-14 hours of foreign language (completion of the second year of a modern foreign language)

Completion of a minor area approved by the advisor

Completion of remaining additional hours to total 124 hours
Major in Sociology (B.S.) - 124 hours

General Education - 43 hours (must include PSYC 2003)

Sociology - 33 hours
SOC 2003 Introduction to Sociology
SOC 3013 Social Problems
SOC 3153 Research Methods I
SOC 3183 Statistics
SOC 4043 Sociological Theory
SOC 4063 Social Psychology
SOC 4093 Research Methods in Sociology

12 hours of sociology electives (No more than 6 hours may be taken from anthropology courses, and a minimum of 6 hours must be at the junior-senior level.)

3 hours of computer information systems or computer science

6 hours of biological or physical science, computer information systems, or computer science approved by advisor and dean of the School of Liberal and Performing Arts

Completion of a minor area approved by the advisor

Completion of remaining additional hours to total 124 hours

Minor in Sociology - 18 hours
SOC 2003 Introduction to Sociology
SOC 3013 Social Problems

12 hours of sociology electives (No more than 6 hours may be taken in anthropology courses, and a minimum of 9 elective hours must be at the junior-senior level.)

Qualifying for Teacher Certification
Students majoring in Sociology may also qualify for a secondary education teaching certificate in social studies by fulfilling all requirements for the secondary education teaching major in social studies, including formal admittance to the Professional Education Program. This normally will require more than a 124-hour degree program.

Department of English and Foreign Languages
The Department of English and Foreign Languages offers programs leading to the Bachelor of Arts degree in English or Spanish. The department offers minors in English, Spanish, and French. The program in English serves both nonspecialists and students planning to do graduate work in English by promoting clear writing and critical reading of English, American, and world literature. The program prepares students for careers in teaching as well as literary and linguistic scholarship; it also provides a background for such
professions as the ministry, journalism, editing, scientific or creative writing, counseling, advertising, salesmanship, and law.

**Major in English (B.A.) - 124 hours**

**General Education** - 43 hours (must include PSCI 2003; PSYC 2003; and 3 hours of American history)

**English** - 33 hours

- ENGL 3103 Advanced Composition
- ENGL 3583 Shakespeare
- ENGL 3623 American Literature I
- ENGL 3633 American Literature II
- ENGL 3643 Literary Theory
- ENGL 4623 British Literature I
- ENGL 4633 British Literature II
- 12 hours of English electives at the junior-senior level including at least one novels course
- 6-14 hours of foreign language (completion of the second year of a modern foreign language)

Completion of a minor area approved by the advisor

Completion of remaining additional hours to total 124 hours

An additional graduation requirement for all students majoring in English (in both the B.A. English and the B.S.E. English Education programs) is the successful completion of a senior project as a capstone experience during the senior year. The student’s overall performance will be judged by an English faculty committee as 1) Passed with Honors; 2) Passed; 3) Failed. These assessments will be listed on student transcripts.

**Minor in English** - 24 hours (including 12 hours of general education courses)

- ENGL 1113 Composition I
- ENGL 1123 Composition II
- ENGL 2213 Literature I
- ENGL 2223 Literature II
- ENGL 3623 American Literature I
- ENGL 3633 American Literature II
- ENGL 4623 British Literature I
- ENGL 4633 British Literature II

**Foreign Languages**

The program in foreign languages develops students’ proficiency in listening/comprehension, speaking, reading, and writing in Spanish or French. The program increases students’ awareness of the range, subtlety, and power of language; develops an understanding of the most important authors, themes,
movements, periods, and genres of Spanish or French literature; provides
students with an understanding and working knowledge of contemporary
theories of literary criticism; and expands students’ appreciation for other
languages and cultures—knowledge that is vitally important for success in
today’s global society.

The program prepares students for teaching a foreign language or pursuing
ggraduate studies in foreign language. A good working knowledge of a modern
language is also extremely valuable for teachers in other fields, social workers,
military and diplomatic professionals, journalists, agriculturalists, law
enforcement officers, health care providers, sales personnel, and business
executives. In addition, other disciplines in most graduate schools require
proficiency in a foreign language.

Spanish majors are encouraged to study abroad for at least one semester.

Placement Exam
The department participates in the advanced placement program. A student with
any question concerning placement should consult with the chair of the
Department of English and Foreign Languages.

Proficiency Tests
All foreign language majors and minors are required to take a departmental exit
examination in the language, literature, and culture during their senior year. In
addition, students’ proficiency is assessed prior to enrollment in upper-division
courses.

Minor in French - 12-26 hours
12 hours of French above FREN 2043 Intermediate French II

Major in Spanish (B.A.) - 124 hours
General Education - 43 hours
24 hours of Spanish above SPAN 2043 Intermediate Spanish II
Completion of a minor area approved by the advisor
Completion of remaining additional hours to total 124 hours as approved by the
advisor

An additional graduation requirement for all students majoring in Spanish (in
both the B.A. Spanish and B.S.E. Spanish education program) is the successful
completion of a senior project as a capstone experience during the senior year.
The student’s overall performance will be judged by a departmental faculty
committee as 1) Passed with Honors; 2) Passed; 3) Failed. These assessments
will be listed on student transcripts.
Minor in Spanish - 12-26 hours
12 hours of Spanish above SPAN 2043 Intermediate Spanish II

Department of History, Political Science, and Geography

History
A knowledge of history is valuable to students who plan to enter such professional fields as teaching, the ministry, law, social work, and journalism. Moreover, various state and federal agencies employ historians as archivists, writers, lecturers, and instructors. The study of history is also good preparation for employment with the Department of State, social service agencies, the National Park Service, or with comparable state agencies.

Major in History (B.A.) - 124 hours
General Education - 37 hours (history courses included in major)

History - 36 hours
HIST 1003 History of Civilization to 1700
HIST 1013 History of Civilization since 1700
HIST 2013 History of the United States to 1876
HIST 2023 History of the United States since 1876
HIST 3103 Western Thought I
HIST 3113 Western Thought II
HIST 3133 Research Methods
15 hours of history electives at the junior-senior level with no more than 9 of the remaining advanced hours in either the United States or non-U.S. history fields
8 hours of foreign language (completion of the freshman-level sequence) or satisfactory score on language proficiency exam
CIS, CSCI, FREN, or SPAN (6 hours) Either 6 semester hours of foreign language above the freshman level or 6 semester hours in computer information systems or computer science
6 hours of electives in geography required for history major
Completion of a minor area approved by the advisor
Completion of remaining additional hours to total 124 hours
A senior paper will be presented to the members of the Department of History, Political Science, and Geography.

Minor in History - 18 hours
HIST 1003 History of Civilization to 1700
HIST 1013 History of Civilization since 1700
HIST 2013 History of the United States to 1876
HIST 2023 History of the United States since 1876
3 hours of advanced United States history
3 hours of advanced non-U.S. history

Political Science
Opportunities exist for participation in public service as governments and political groups try to solve complex problems of modern society. A knowledge of political science will assist students in better understanding the governing process and the role they play in it as lawyers, politicians, journalists, law enforcement officials, or other activist citizens. In addition, qualified political science graduates may find employment in teaching, the ministry, politics, local, state or federal service, non-profit corporations or foundations, and business.

Major in Political Science (B.A.) - 124 hours

General Education - 43 hours

Political Science - 36 hours
PSCI 2003 American Government: National
PSCI 2013 State and Local Government: Arkansas and the U.S.
PSCI 3103 Western Thought I
PSCI 3113 Western Thought II
PSCI 3133 Research Methods
21 hours of political science electives including at least one course in each of the following fields: international relations or foreign affairs, comparative government, and American government and institutions. (A minimum of 18 junior-senior hours of political science electives required.)

Foreign Language (8 hours) which may be fulfilled by a freshman-level course or a satisfactory score on a language proficiency exam

Electives in a foreign language (6 hours) above the freshman level or 6 hours in computer information systems or computer science

6 hours of electives in geography required for political science major

Completion of a minor area approved by the advisor

Completion of remaining additional hours to total 124 hours as approved by the advisor

A senior paper will be presented to the members of the Department of History, Political Science, and Geography.

Minor in Political Science - 18 hours
PSCI 2003 American Government: National
PSCI 2013 State and Local Government: Arkansas and the U.S.
3 hours selected from the following:
PSCI 3103 Western Thought I
PSCI 3113 Western Thought II
PSCI 3133 Research Methods

9 hours of political science electives at the junior-senior level

Geography
Geography is a science concerned with the nature of geographic distributions and their variations in pattern and intensity from place to place. Geography coursework illustrates and evaluates spatial structures and distribution, as well as the nature of the similarities, and differences, and interaction between man and his cultural components, the environment, and resources. A knowledge of geography is essential to students majoring in history or political science.

Minor in Geography - 18 hours
GEOG 1003 Physical Geography
GEOG 2003 Introduction to Geography
GEOG 3023 Human Geography
9 hours of geography electives at the junior-senior level

Religious Studies
Religion has been a major force within all societies and a minor in Religious Studies allows students to broadly explore this topic. Individuals who plan to continue their education at a seminary or other graduate program in religious studies in order to find employment in this area, as well as individuals seeking a better understanding of this phenomena will find this minor useful. Up to 6 hours of Biblical or Religious Studies courses may be transferred to SAU from other accredited universities and counted as part of this minor.

Minor in Religious Studies – 18 hours
PHIL 2413 Religion and the Human Experience
15 additional hours, including at least 9 junior/senior hours, with at least one course from the Western list and at least one from the Non-Western list.

Western
Art 3023 History of Art I
FREN 3693 French Civilization
HIST 3163 History of the Middle Ages
HIST 3013 Western Thought I (same as PSCI 3013)
HIST 3113 Western Thought II (same as PSCI 3113)
PHIL 2403 Introduction to Philosophy

Non-Western
GEOG 3003 Geography of World Religions
HIST 1003 World Civilization to 1700
HIST 3053 Middle East
HIST 3143 North American Indian (same as SOC 3143)
HIST 4013 Women and Religion
SOC 1003 General Anthropology
Prelaw Program
Students who intend to study law should prepare themselves by fulfilling the requirements for the bachelor's degree with a major in Political Science or History and a minor in an appropriate field. Other major programs may be acceptable because law schools do not prescribe a rigid prelaw curriculum. Law schools require the completion of an undergraduate degree program as a prerequisite for admission.

It is the opinion of the Association of American Law Schools that the attainment of legal competence depends in large measure upon the development of fundamental capacities such as "critical understanding of the human institutions and values with which the law deals," and "creative power in thinking." The selection of courses depends upon individual needs, but students are urged to obtain a broad understanding of the social sciences, acquire written and oral proficiency in the use of language, and develop the ability to reason accurately and logically. To obtain these skills, prelaw students should include in their studies, insofar as their degree programs will permit, such courses as the following: American government and constitutional law, principles of accounting, legal environment, business law, advanced composition, advanced literature, speech, voice and diction, advanced history, abnormal psychology, criminology, college algebra, university physics or university chemistry and logic, physical geology, environmental biology, environmental geology, and advanced language.

The advisor of prelaw students should be contacted for materials and statements of the policies of law schools.

It is recommended that prelaw students take PSCI 4073 and appropriate business, humanities, and science courses.

Qualifying for Teacher Certification
Students majoring in history or political science may also qualify for a secondary education teaching certificate in social studies by fulfilling all requirements for the secondary education teaching major in social studies, including formal admittance to the Professional Education Program. This normally will require more than a 124-hour degree program.

Department of Theatre and Mass Communication
The Department of Theatre and Mass Communication offers programs designed to acquaint students with the nature of communication and to prepare them for professional work in a variety of fields. The department offers a bachelor's degree in Mass Communication and a bachelor's degree in Theatre. Courses are designed to prepare the major for work in Mass Communication and Theatre as well as graduate study in Mass Communication and Theatre. The non-major should gain the ability to participate effectively in the various forms of communication with emphasis in broadcast journalism and print journalism. A
heightened appreciation of the theatre and other communicative arts should result. In addition, minor programs in Theatre, Broadcast Journalism, and Print Journalism are available for students majoring in related fields.

The mass communication curriculum has a core of introductory courses common to all mass media fields and offers academic emphases in broadcast journalism and print journalism. The department also offers practical experience on the weekly student newspaper and on the yearbook.

The Theatre curriculum offers classroom training and production experience for the serious student of theatre, teachers in theatre, and the humanist seeking elective hours of work and study. SAU theatre offers several annual productions.

**Major in Theatre (B.A.) - 124 hours**

**General Education** - 43 hours

**Theatre** - 36 hours
- THEA 1103 Introduction to the Theatre
- THEA 2013 Dance and Stage Movement
- THEA 2033 Voice and Diction
- THEA 2613 Stagecraft
- THEA 2633 Fundamentals of Acting
- THEA 3613 Costume and Make-Up
- THEA 4633 Directing
- THEA 4923 Project in Theatre

3 hours selected from the following:
- THEA 3643 Theatre History: Origins to 1600
- THEA 3653 Theatre History: 1600 to the Present
- THEA 4663 The American Theatre

9 hours of theatre electives at the junior-senior level

6-14 hours of foreign language (completion of the second year of a modern foreign language)

Completion of a minor area approved by the advisor

Completion of remaining additional hours to total 124 hours as approved by the advisor

**Minor in Theatre** - 18 hours
- THEA 1103 Introduction to the Theatre
- THEA 2013 Dance and Stage Movement
- THEA 2613 Stagecraft
- THEA 2633 Fundamentals of Acting

6 hours of theatre electives at the junior-senior level
Major in Mass Communication (B.A.) - 124 hours

Mass Communication Core - 15 hours
MCOM 1003 Introduction to Mass Communication
MCOM 2013 Basic Photography
MCOM 4003 Media Law and Ethics
PJ 2003 Basic News Writing
SPCH 1113 Principles of Speech

Emphasis in Broadcast Journalism - 124 hours

General Education - 43 hours

Mass Communication Core - 15 hours

Broadcast Journalism - 21 hours
BJ 2103 Television Production
BJ 3013 Electronic News Gathering
BJ 3103 Broadcast News Writing
BJ 4003 Advanced Electronic News Gathering
BJ 4903 Senior Research Project

6 hours selected from the following:
BJ 2003 Radio Production
BJ 2033 Broadcast Performance
BJ 3023 Advanced Radio Production
BJ 4103 Broadcast Sales and Management
BJ 4913 Broadcast Internship

6-14 hours of foreign language (completion of the second year of a modern foreign language)

Completion of a minor approved by the advisor

Completion of remaining additional hours to total 124 hours

Minor in Broadcast Journalism - 18 hours

BJ 2003 Radio Production
BJ 2103 Television Production
MCOM 1003 Introduction to Mass Communication

9 hours selected from the following:
BJ 3013 Electronic News Gathering
BJ 3023 Advanced Radio Production
BJ 3103 Broadcast News Writing
BJ 4003 Advanced Electronic News Gathering
BJ 4103 Broadcast Sales and Management
BJ 4903 Senior Research Project

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Emphasis in Print Journalism - 124 hours
General Education - 43 hours (must include PSYC 2003 and SOC 2003)

Mass Communication Core - 15 hours

Print Journalism - 18 hours
MCOM 3023 Photo Journalism
PJ 2103 Design I - Newspaper
PJ 2203 Advanced News Reporting
PJ 3003 Feature Writing
PJ 4033 Methods of Specialized New Reporting

6 hours selected from the following:
PJ 3103 Principles of Public Relations
PJ 4013 Publicity, Media, and Campaigns
PJ 4913 Print Internship

6-14 hours of foreign language (completion of the second year of a modern foreign language)

Completion of a minor approved by the advisor

Completion of remaining additional hours to total 124 hours as approved by the advisor

Minor in Print Journalism - 18 hours
MCOM 2013 Basic Photography
PJ 2003 Basic News Writing
PJ 2203 Advanced News Reporting

9 hours selected from the following:
MCOM 3023 Photo Journalism
PJ 3003 Feature Writing
PJ 3103 Principles of Public Relations
PJ 3203 Design II - Magazine
PJ 4033 Methods of Specialized News Reporting
School of Science and Technology  
Dr. Joe Winstead, dean

The School of Science and Technology is divided into five departments: Agriculture, Biology, Mathematics and Computer Science, Nursing, and Physical Sciences and Technology. These departments offer a variety of programs leading to baccalaureate and associate degrees. The school also contributes to the general education of those students majoring outside of the School of Science and Technology.

The purpose of the school is to educate students in the basic and applied natural sciences, mathematics, computer science, agriculture, and nursing to prepare them to enter industrial, governmental, and professional careers as well as advanced degree studies.

General Requirements
Specific requirements for degrees in the various areas may be found under the departmental announcements, but candidates for the baccalaureate degrees in the School of Science and Technology must

1. comply with the general regulations governing baccalaureate degrees;
2. complete a minimum of 124 semester hours;
3. complete the general education requirements applicable to the desired degree;
4. complete a suitable minor if required; and
5. earn a cumulative grade point average of at least 2.00 in all courses taken in the major field. (The agricultural education and medical technology programs require higher grade point averages.)

Preprofessional Areas
Southern Arkansas University offers various curricula which will fulfill specific requirements for admission to programs in architecture, landscape architecture, chiropractic, dentistry, engineering, forestry, medicine, nursing, optometry, pharmacy, physical therapy, and veterinary medicine or allow a student to pursue a career in the related health sciences of cardiopulmonary science, dental hygiene, medical technology, nuclear medicine technology, occupational therapy, radiologic technology, and respiratory therapy. Students should consult the catalogs of the professional schools in which they are interested prior to or early in their undergraduate programs in order to be informed of the exact requirements they should plan to satisfy. For advisement in preprofessional areas, students should consult the dean of the School of Science and Technology for an advisor.

Since medical and dental schools and allied health programs vary considerably in their admission requirements, prospective students should familiarize
themselves with the requirements of the school they wish to attend. In general, these requirements will include at least one year of biology, one year of college physics, one to three years of college chemistry, college algebra, and trigonometry. It is recommended that the student also take upper-level courses in biology, biochemistry, physics, physical chemistry, cultural anthropology, sociology, and higher mathematics.

Programs of study need to be planned in close consultation with the faculty advisor. For favorable consideration by admission committees, students should present work meeting high standards, especially in the sciences, to merit strong recommendations from the faculty or medical science committee and to attain favorable scores on the MCAT, DAT, VAT, OPAT, or PCAT admissions examinations.

Completion of these preprofessional programs does not assure admittance to any clinical program or professional school.

**Assessment**
The learning goals for each of the major programs and descriptions of the assessment procedures may be found in the departmental assessment reports on the SAU webpage under academics and assessment.

**Department of Agriculture**
The Department of Agriculture offers programs leading to the Bachelor of Science degree in Agricultural Business, Agricultural Education, and Agricultural Science.

Preprofessional programs are offered in Forestry and Veterinary Medicine. A minor is offered in Horticulture.

Students interested in careers in agricultural marketing, agricultural finance, international agricultural business, sales and services, or management of agricultural businesses may wish to major in agricultural business.

Students interested in careers in agricultural sciences, in pursuing graduate studies in agricultural sciences, or in obtaining a four-year degree prior to entering veterinary science may wish to major in agricultural sciences.

**Major in Agricultural Business (B.S.) - 124 hours**

**General Education** - 32 hours (Biological science, physical science, and mathematics courses are included in the major.)

**Agricultural Economics/Agricultural Sciences** - 40 hours

- AGEC 2073 Principles of Agricultural Economics
- AGEC 3003 Marketing of Farm Products
- AGEC 3043 Farm Management
AGEC 4013  International Business in Agriculture
AGRI 1001  Agricultural Orientation
AGRO 1002/1001  Crops/Lab
AGRO 2013/2011  Soils/Lab
AS  1004/1001  Introductory Animal Science/Lab
AS  3002/3001  Animal Physiology/Lab
AS  3022/3021  Feeds and Feeding/Lab
FOR 1002/1001  Elements of Forestry/Lab
6 hours of upper-level courses in agricultural economics and/or business with no more than 3 hours from business

**Business Core** - 27 hours
ACCT 2003  Principles of Accounting I
ACCT 2103  Principles of Accounting II
ECON 2003  Principles of Macroeconomics
GBUS 2013  Quantitative Analysis I
GBUS 3003  Legal Environment of Business
GBUS 3063  Managerial Communications
GBUS 3183  Quantitative Analysis II
MGMT 3023  Organizational Theory and Behavior
FIN 3003  Financial Management

4 hours of upper-level electives to be selected from agriculture and/or natural science

**Biological and Physical Science** - 15 hours
BIOL 1033/1031  General Botany/Lab
CHEM 1013/1011  General Chemistry I/Lab and
CHEM 1113/1111  General Chemistry II/Lab
or
CHEM 1023/1021  University Chemistry I/Lab and
CHEM 1123/1121  University Chemistry II/Lab
MATH 1023  College Algebra

**Other requirements** - 6 hours
CSCI 1102/1101  Introduction to Computer Science/Lab
or
AGRI 2003  Computer Applications in Agriculture
SPCH 1113  Principles of Speech

No minor is required in this major.
Major in Agricultural Sciences (B.S.) - 124-126 hours

General Education - 32 hours (Biological science, physical science, and mathematics courses are included in the major.)

Agricultural Sciences - 31 hours
AGRI 1001 Agricultural Orientation
AGRI 2003 Computer Applications in Agriculture
AGRI 4003 Special Problems in Agriculture
AGRO 1002/1001 Crops/Lab
AGRO 2013/2011 Soils/Lab
AS 1004/1001 Introductory Animal Science/Lab
AS 3002/3001 Animal Physiology/Lab
AS 3033 Animal Nutrition
AS 3083 Genetics and Animal Breeding
ENTO 2032/2031 Entomology/Lab (same as BIOL 2032/2031)

12 hours of upper-level electives to be selected from animal science, agricultural engineering, agronomy, or horticulture

Agricultural Economics - 6 hours
AGEC 2073 Principles of Agricultural Economics
3 hours upper-level agricultural economics

Computer Science - 3 hours
CSCI 1102/1101 Introduction to Computer Science/Applications for CSCI 1102
or
CSCI 2103 Programming I

Physical and Biological Science - 36-38 hours
BIOL 1023/1021 Vertebrate Zoology/Lab
BIOL 1033/1031 General Botany/Lab
BIOL 3032/3022 General Microbiology/Lab
CHEM 1023/1021 University Chemistry I/Lab
CHEM 1123/1121 University Chemistry II/Lab
CHEM 3003/3001 Organic Chemistry I/Lab
CHEM 3103/3101 Organic Chemistry II/Lab
MATH 1023 College Algebra and MATH 1033 Plane Trigonometry
or
MATH 1045 Precalculus Mathematics
MATH 3043 Introduction to Applied Probability and Statistics

Speech - 3 hours
SPCH 1113 Principles of Speech

No minor is required in this major.
**Minor in Horticulture** - 21 hours
Students who are interested in working in the various areas of horticulture will complete 21 semester hours to be selected from the following:

AGRO 2013/2011 Soils/Lab
Biol 1033/1031 General Botany/Lab
or
Biol 3303/3301 Systemic Botany/Lab
Ento 2032/2031 Entomology/Lab *(same as Biol 2032/2031)*
Hort 2002/2001 Principles of Horticulture/Lab
Hort 3002/3001 Foliage Plants and Greenhouse/Lab
Hort 3083/3081 Plant Physiology/Lab

**Agricultural Education**
Students interested in Agricultural Education should complete the courses which will fulfill the requirements for certification as an agricultural education instructor in the state of Arkansas. To obtain a Bachelor of Science (B.S.) degree in Agricultural Education, the student must earn a grade point average of 2.5 or higher in all agriculture courses, complete the pattern of courses listed in the degree plan, and fulfill the requirements listed in the section of this catalog for the School of Education for admittance to and completion of a program of professional education.

**Major in Agricultural Education (B.S.) - 135 hours**

**General Education** - 33-34 hours
Must include the following:
ENGL 1113 Composition I
ENGL 1123 Composition II
6 hours selected from the following:
ENGL 2213 Literature I
ENGL 2223 Literature II
PHIL 2403 Introduction to Philosophy

History - 6 hours selected from the following (at least 3 hours must be United States History)
HIST 2013 History of the U.S. to 1876
HIST 2023 History of the U.S. since 1876
HIST 1003 History of Civilization to 1700
HIST 1013 History of Civilization since 1700

Physical Education - 3 hours
PHED 1501 Concepts of Physical Activity and Wellness

plus
Two additional 1-hour PHED activities

AGEC 2073 Principles of Agricultural Economics
PSCI 2003 American Government: National
(Biological science, physical science, and mathematics courses are included in the major.)

Humanities - 6-7 hours selected from the following:
- ART 2013 Introduction to Fine Arts: Art
- MUS 2013 Introduction to Fine Arts: Music
- 4 hours of foreign language

Physical and Biological Sciences - 22 hours
- AGRI 2003 Computer Applications in Agriculture
- BIOL 3032/3022 General Microbiology/Lab
- CHEM 1013/1011 General Chemistry I/Lab and CHEM 1113/1111 General Chemistry II/Lab
- or
- CHEM 1023/1021 University Chemistry I/Lab and CHEM 1123/1121 University Chemistry II/Lab
- ENTO 2032/2042 Entomology/Lab
- MATH 1023 College Algebra

Agricultural Science - 28 hours
- AGRI 1001 Agricultural Orientation
- AGRO 1002/1001 Crops/Lab
- AGRO 2013/2011 Soils/Lab
- AS 1004/1001 Introductory Animal Science/Lab
- AS 3002/3001 Animal Physiology/Lab
- AS 3022/3021 Feeds and Feeding/Lab
- FOR 1002/1001 Forestry/Lab
- HORT 2002/2001 Principles of Horticulture/Lab
- 3 hours of upper-level agricultural electives

Mechanical Technology - 13 hours
- AGEN 3003/3001 Principles of Agricultural Engineering/Lab
- 9 hours selected from the following:
  - AGEN 1001/1002 Agricultural Structures/Lab
  - AGEN 1011/1012 Environmental and Natural Resource Systems/Lab
  - AGEN 2001/2002 Agricultural Power, Machinery, and Equipment/Lab
  - AGEN 2021/2022 Agricultural Metals/Lab
  - AGEN 2031/2032 Agricultural Electrification/Lab

Education Requirements - 39 hours
- AGED 1000 Freshman Agriculture Education Seminar
- AGED 2000 Sophomore Agriculture Education Seminar
- AGED 3000 Junior Agriculture Education Seminar
- AGED 3003 Leadership and Communication
- AGED 4000 Senior Agriculture Education Seminar
AGED 4003 Methods of Teaching Agricultural Mechanics
AGED 4013 Methods in Agricultural Education
AGED 4023 Program Development
EDUC 2003 Introduction to Education and Field Experience, Level I
EDUC 4003 Student Teacher Seminars: PET
PSYC 4083 Adolescent Psychology
S ED 3003 Secondary and Middle School Curricula
S ED 4006 Student Teaching I
S ED 4016 Student Teaching II
SPED 4073 Survey of Exceptional Children

No supporting field is required.

Preforestry Program
Students in forestry have several options from which to choose their program. In general, through the proper selection of courses, students may select an option in forest management, forest wildlife management, forestry business administration, forest science, etc. This preforestry program is coordinated with the forestry major at the University of Arkansas at Monticello. Other schools may have other programs.

All freshman students who choose to major in forestry should pursue a common course outline, regardless of the option they wish to select. The selection of an option should be made by the beginning of the second semester of the sophomore year.

Preforestry - 61 hours
ART 2013 Introduction to Fine Arts: Art
BIOL 1033/1031 General Botany/Lab
CHEM 1013/1011 General Chemistry I/Lab
CHEM 1113/1111 General Chemistry II/Lab
CSCI 1102/1101 Introduction to Computer Science/Applications for CSCI 1102
or
AGRI 2003 Computer Applications in Agriculture
ECON 2103 Principles of Microeconomics
or
AGEC 2073 Principles of Agricultural Economics
ENGL 1113 Composition I
ENGL 1123 Composition II
ENGL 2213 Literature I
ENGL 2223 Literature II
or
ENGL 3003 Advanced Professional Writing
ENGR 2012/2011 Elementary Surveying/Lab *(same as AGEN 1012/1011)*

FOR 1002/1001 Elements of Forestry/Lab

HIST 1013 History of Civilization since 1700

HIST 2013 History of the United States to 1876

or

HIST 2023 History of the United States since 1876

MATH 1023 College Algebra and MATH 1033 Plane Trigonometry

or

MATH 1045 Precalculus Mathematics

MUS 2013 Introduction to Fine Arts: Music

PHYS 2003/2001 General Physics I/Lab

PSYC 2003 General Psychology

SPCH 1113 Principles of Speech

**Preveterinary Science Program**

Today's veterinarian is a medically trained, scientifically oriented professional, capable of rendering many services and accepting wide responsibilities in all areas of animal health and in many areas of public health. Such a challenging career stimulates the interest of students; therefore, the competition for vacancies in veterinary medicine schools is keen.

While most of the Preveterinary Medicine curriculum can be completed in two years, many students are finding it advisable to spend three or even four years in completing these requirements. During this time, they also take additional courses leading to a degree in Agricultural Sciences. Many students are completing degrees before they enter a college of veterinary medicine.

Interested students should anticipate spending three to four years at college preparing for admission to any school of veterinary medicine. Students trying for admission need to maintain a high grade point average in college, especially in science courses.

After receiving the applications, some schools arrange for interviews with prospective students to gauge their interest and knowledge of veterinary medicine and their likely success as a veterinarian. Students should have previously gained exposure to veterinary medicine, possibly by working with one or more veterinarians.

The Department of Agriculture always stands ready to assist students in fulfilling their Preveterinary Medicine requirements whether they wish to do it in a two-year span or over three or four years. The supporting departments at the University—including biology, chemistry, and English—offer quality courses which provide students an excellent background for the pursuit of veterinary medicine.
The following program is an example of a two-year professional program for entrance into a school of veterinary medicine. The state of Arkansas has a contract with some out-of-state veterinary schools to enroll a limited number of students each year. Students not accepted after the two-year curricula may find it advantageous to pursue a course of study leading to a degree in Agricultural Sciences at SAU while preparing to be accepted by a school of veterinary medicine. The curriculum listed below meets entrance requirements for the LSU School of Veterinary Medicine. (Courses marked with an asterisk are required by Oklahoma State University.)

**Preveterinary Science** - 66-69 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BIOL 1013/1011*</td>
<td>Invertebrate Zoology/Lab</td>
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<tr>
<td>BIOL 1023/1021*</td>
<td>Vertebrate Zoology/Lab</td>
</tr>
<tr>
<td>BIOL 1033/1031</td>
<td>General Botany/Lab (may replace BIOL 1013/1011 or BIOL 1023/1021)</td>
</tr>
<tr>
<td>BIOL 3032/3022*</td>
<td>General Microbiology/Lab</td>
</tr>
<tr>
<td>CHEM 1023/1021*</td>
<td>University Chemistry I/Lab</td>
</tr>
<tr>
<td>CHEM 1123/1121*</td>
<td>University Chemistry II/Lab</td>
</tr>
<tr>
<td>CHEM 3003/3001*</td>
<td>Organic Chemistry I/Lab</td>
</tr>
<tr>
<td>CHEM 4003/4001*</td>
<td>Biochemistry I/Lab</td>
</tr>
<tr>
<td>ENGL 1113*</td>
<td>Composition I</td>
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<tr>
<td>ENGL 1123*</td>
<td>Composition II</td>
</tr>
<tr>
<td>PHYS 2003/2001*</td>
<td>General Physics I/Lab</td>
</tr>
<tr>
<td>PHYS 2103/2101*</td>
<td>General Physics II/Lab</td>
</tr>
<tr>
<td>MATH 1023*</td>
<td>College Algebra and MATH 1033 Plane Trigonometry or higher MATH</td>
</tr>
<tr>
<td>SPCH 1113</td>
<td>Principles of Speech</td>
</tr>
</tbody>
</table>

Electives - 17-18 hours

Oklahoma State University also requires the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3033/3031*</td>
<td>Genetics/Lab</td>
</tr>
<tr>
<td>CHEM 3103/3101*</td>
<td>Organic Chemistry II/Lab</td>
</tr>
<tr>
<td>ENGL 3003*</td>
<td>Advanced Professional Writing</td>
</tr>
</tbody>
</table>

Completion of the MCAT (Medical College Admissions Test) and GRE (Graduate Record Exam) the fall semester before application is required.

A grade point average of 2.80 or higher is required.

Students should consult the preveterinary advisor concerning application forms and deadlines.

**Department of Biology**

The Department of Biology offers a course of study leading to the Bachelor of Science degree in Biology and other programs in general science and medical technology. The curriculum is designed to emphasize the functional
relationships within individual organisms, among populations of organisms, and between organisms and their environment.

The four-year degree program provides basic undergraduate preparation for graduate study or for professional employment.

Students interested in teaching biology in secondary schools should follow the curriculum in Biology listed in the section of this catalog for the School of Education.

**Major in Biological Science (B.S.) - 126-133 hours**

**General Education** - 32 hours (Science and mathematics courses are included in major.)

**Biology** - 38 hours

- BIOL 1011/1013 Invertebrate Zoology/Lab
- BIOL 1023/1021 Vertebrate Zoology/Lab
- BIOL 1033/1031 General Botany/Lab
- BIOL 3122/3112 Embryology/Lab
- BIOL 3032/3022 General Microbiology/Lab
- BIOL 3033/3031 Genetics/Lab
- BIOL 3043 Cell Biology
- BIOL 4013/4011 Ecology/Lab
- BIOL 4101 Biology Colloquium
- 6 additional upper-level hours in biology

BIOL 4022/4020 Immunology and Serology/Lab cannot be applied toward biology major or minor credit.

Completion of BIOL 2063/2061 Anatomy and Physiology I/Lab and BIOL 2073/2071 Anatomy and Physiology II/Lab with a C grade or higher in both can count as 4 upper-level hours toward the major in biology.

**Chemistry** - 12 hours

One year of University Chemistry and one semester of organic chemistry*

- MATH 1023 College Algebra **and** MATH 1033 Plane Trigonometry
- or
- MATH 1045 Precalculus Mathematics
  (also recommended - MATH 4073 or PSYC 3183)
- PHYS 2003/2001 General Physics I/Lab **and** PHYS 2103/2101 General Physics II/Lab
- or
- PHYS* 2203/2201 University Physics I/Lab **and** PHYS* 2213/2211 University Physics II/Lab

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Major requirements also include one year of a foreign language at the university level or CSCI 1102/1101 or equivalent and MATH 3043 Introduction to Applied Probability and Statistics or PSYC 3183 Statistics.

21-28 hours coursework for minor field

*One year of organic chemistry and one year of university physics are recommended for premedical and predental students. A chemistry minor is highly recommended for health preprofessional biology majors.

**Minor in Biological Science I - 24 hours**
- BIOL 1013/1011 Invertebrate Zoology/Lab
- BIOL 1023/1021 Vertebrate Zoology/Lab
- BIOL 1033/1031 General Botany/Lab
- BIOL 3033 Genetics
- BIOL 3093 Environmental Biology
  or
- BIOL 4013/4011 Ecology/Lab

Additional upper-level electives in biology to make a total of 24 hours

**Minor in Biological Science II (Prehealth Professional) - 28 hours**
- BIOL 1023/1021 Vertebrate Zoology/Lab
- BIOL 1033/1031 General Botany/Lab
- BIOL 3032/3022 General Microbiology/Lab
- BIOL 3033/3031 Genetics/Lab
- BIOL 3043 Cell Biology
- BIOL 3122/3112 Embryology/Lab
- BIOL 3401 Medical Terminology
- BIOL 3703/3701 Vertebrate Physiology/Lab

**General Science**
The Bachelor of Science in General Science offers a program of study in which students can elect a major emphasis in either the biological sciences or the physical sciences. The curriculum is designed with enough flexibility so that students may prepare for a number of professions such as medicine, dentistry, teaching of chemistry or physics, and various paramedical fields including optometry and physical therapy. Additionally, this curriculum provides a broad scientific background for students who wish to teach general science in the secondary schools.

**Major in General Science (B.S.) - Plan I (Biological Science Emphasis)** - 124-135 hours (all work on campus)

**General Education** - 35 hours (Science and mathematics courses are included in the major.)
**Biology** - 12 hours

**Chemistry** - 12 hours
CHEM 1023/1021 University Chemistry I/Lab
CHEM 1123/1121 University Chemistry II/Lab
4 hours of chemistry electives

**Language** - 9-11 hours
ENGL 3003 Advanced Professional Writing
6-8 hours of Foreign language (one year at university level)
   or
6 hours of computer science at sophmore level or above

**Geology** - 8 hours
GEOL 1003/1001 Physical Geology/Lab
GEOL 1013/1011 Historical Geology/Lab

**Mathematics** - 3-5 hours
MATH 1023 College Algebra and MATH 1033 Plane Trigonometry
   or
MATH 1045 Precalculus Mathematics
(MATH 1525 Calculus I is a corequisite to PHYS 2203/2201 University Physics I/Lab)

**Physics** - 8 hours
PHYS 2003/2001 General Physics I/Lab and
PHYS 2103/2101 General Physics II/Lab
   or
PHYS 2203/2201 University Physics I/Lab and
PHYS 2213/2211 University Physics II/Lab
15-20 hours of electives in biology, chemistry, or physics for a total of 20 hours in one science area

Additional science or free electives (13-18 hours) to attain a total of at least 124 semester hours

No minor is required in this plan.

**Major in General Science (B.S.) - Plan I (Physical Science Emphasis)** - 124-135 hours

**General Education** - 35 hours (Science and mathematics courses are included in the major.)

**Biology** - 7-8 hours selected from the following:
BIOL 1013/1011 Invertebrate Zoology/Lab
BIOL 1023/1021 Vertebrate Zoology/Lab
BIOL 1033/1031 General Botany/Lab
BIOL 3093 Environmental Biology
Chemistry - 12 hours
CHEM 1023/1021 University Chemistry I/Lab
CHEM 1123/1121 University Chemistry II/Lab
4 hours selected from the following:
CHEM 2013/2001 Analytical Chemistry/Lab
CHEM 3113/3111 Instrumental Analysis/Lab
CHEM 3003/3001 Organic Chemistry I/Lab

Geology - 4 hours selected from the following:
GEOL 1003/1001 Physical Geology/Lab
GEOL 1013/1011 Historical Geology/Lab

Mathematics - 8-19 hours
MATH 1023 College Algebra and MATH 1033 Plane Trigonometry
or
MATH 1045 Precalculus Mathematics
MATH 3043 Introduction to Applied Probability and Statistics
(MATH 1525 Calculus I and MATH 1545 Calculus II are highly recommended.)

Physics - 12 hours
PHYS 2003/2001 General Physics/Lab and
PHYS 2103/2101 General Physics II/Lab
or
PHYS 2203/2201 University Physics I/Lab and
PHYS 2213/2211 University Physics II/Lab (requires MATH 1525 and MATH 1545)
PHYS 3054 Modern Physics

6 hours of math-based computer science at the sophomore level or above (CSCI 2103 and CSCI 2113 are highly recommended).

24 hours of physical science and earth science electives selected from chemistry, physics, and geology

No minor is required in this plan.

Major in General Science (B.S.) - Plan II (Pre-professional, 3-2 program with certain other schools)
General Education - 30 hours (Science and math courses are included in the major.)

Biology - 16 hours

Chemistry - 16 hours
CHEM 1023/1021 University Chemistry I/Lab
CHEM 1123/1121 University Chemistry II/Lab
CHEM 3003/3001 Organic Chemistry I/Lab
CHEM 3103/3101 Organic Chemistry II/Lab

Mathematics - 5-6 hours
MATH 1023 College Algebra and
MATH 1033 Plane Trigonometry
or
MATH 1045 Precalculus Mathematics

Physics - 8 hours
PHYS 2003/2001 General Physics I/Lab and
PHYS 2103/2101 General Physics II/Lab
or
PHYS 2203/2201 University Physics I/Lab and
PHYS 2213/2211 University Physics II/Lab

SPCH 1113 Principles of Speech

14 hours of electives in biology, chemistry, or physics for a total of 20 hours in one science area and three free electives

31 hours (electives in approved accredited professional school)

No minor is required in this plan.

Upon request, SAU will confer the baccalaureate degree with a major in General Science on students who successfully complete 96 semester hours of course work (30 semester hours earned prior to clinical training must be taken at the Magnolia campus and 12 must be 3000-4000 level courses) and two years in an approved accredited school of chiropractic, dentistry, medicine, optometry, or veterinary science and who satisfy the other requirements for graduation. Students awarded this degree are not eligible to graduate with honors.

Chiropractic as a Career
Doctors of chiropractic do, indeed, hold their futures in their hands. Since its development as a patient-oriented discipline nearly one hundred years ago, chiropractic has grown into the second largest of the three primary health care systems in the United States. Today, public demand is providing doctors of chiropractic with increasing opportunities to alleviate suffering and maintain health through hands-on care.

With chiropractic, the adage that "the physician treats, but nature heals" rings particularly true. Chiropractic is a branch of the healing arts based on the premise that good health depends, in part, upon a normally functioning nervous system.

SAU affiliates with chiropractic schools, and students can matriculate directly into these schools following completion of a set of courses.
Dentistry as a Career

Dentistry is the branch of the healing arts and sciences devoted to maintaining the health of the teeth, gums, and other hard and soft tissues of the oral cavity. The absence of tooth decay, periodontal disease, malocclusion, oral-facial anomalies, and other oral disorders contributes to proper mastication and to normal speech and facial appearance. Early detection of oral cancer and systemic conditions that manifest themselves through the mouth are necessary for the maintenance of general health. In other words, the widespread concept that a dentist is one who "fixes teeth" is descriptive of only one area of a dentist's responsibility. The dentist is, in fact, a scientist dedicated to the highest standards of health through the prevention, diagnosis, and treatment of all oral diseases and conditions.

Properly motivated young persons with scientific curiosity, intelligence, ambition, and social consciousness can find a highly rewarding career in dentistry. As health professionals, they will be highly regarded by the community and often called upon to provide community consultation and services. There are also monetary rewards in being a health professional. However, more basic than the social and financial rewards accorded dentists is the satisfaction they experience from their daily professional accomplishments.

Course requirements are similar to those for Premedicine (pp. 183-184).

Predental Hygiene

The dental hygienist is a health educator and health care provider concerned with the prevention of dental disease. Dental hygienists perform their services for patients under the supervision of a licensed dentist. Because dental hygiene is a relatively young profession, many confuse it with dental assisting or dental laboratory technology. Although all three are classified as dental auxiliaries, usually only the dental hygienist is qualified by education or licensure to perform a direct service to the patient.

A dental hygienist performs removal of deposits and stains from teeth, root planing, curettage of soft tissue, preliminary examinations, exposure and development of dental x-rays, testing teeth for vitality, placing and removal of temporary sedative dressing, as well as polishing and contour of restorations. Other preventative measures may include applying pit and fissure sealants and topical fluorides and counseling patients on the role of nutrition in dental disease and other topics.

Application Procedures and Deadlines

All documents should be submitted to University of Arkansas for Medical Sciences, College of Health Related Professions, Student Admissions/Records Office, UAMS, 4324 W. Markham Street, Slot 779, North Little Rock, AR 72205-7199. Phone: (501) 661-5730
Class size is limited and not all applicants are selected for participation in the program. Early application is encouraged. Applications received by the first Friday in December will be given first consideration. Applicants must provide the following:

1. **Application for Admission:** The College of Health Related Professions application is required. Please contact the program office for information.
2. **Application Fee:** A non-refundable application fee of $5.00 is required and must accompany the application.
3. **Official Transcripts:** Arrange for each high school, college, or university you have attended to forward an official transcript of your coursework.
4. **Dental Hygiene Candidate Admission Test Scores:** Applications are available from the Department of Dental Hygiene Office in the testing center.
5. **Reference Letters:** Three letters of reference from persons qualified to judge your promise of success in the program are required. One or more references should reflect evidence of previous exposure to the profession of dentistry, such as observation in a dental office or actual dental assisting.
6. **Interview:** Qualified applicants are contacted to arrange an interview after application and transcripts.

Transcripts "issued to the student" will not substitute for official transcripts forwarded directly to the College of Health Related Professions by the institution issuing the transcripts.

Arkansas residency will be considered during selection for admission.

Applicants are considered without regard to race, color, creed, national origin, or sex. Qualified handicapped persons, capable of meeting academic technical standards essential to participation in the program, receive equal consideration.

**Predental Hygiene** - 35 hours

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<td>BIOL 1023/1021</td>
<td>Vertebrate Zoology/Lab</td>
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<tr>
<td>CHEM 1023/1021</td>
<td>University Chemistry I/Lab</td>
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<td>CHEM 1123/1121</td>
<td>University Chemistry II/Lab</td>
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<tr>
<td>CSCI ___3</td>
<td>Computer science elective</td>
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<td>ENGL 1123</td>
<td>Composition II</td>
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<tr>
<td>HIST 2013</td>
<td>History of the United States to 1876</td>
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<td>or</td>
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<tr>
<td>HIST 2023</td>
<td>History of the United States since 1876</td>
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<tr>
<td>MATH 1023</td>
<td>College Algebra</td>
</tr>
<tr>
<td>PSYC 2003</td>
<td>General Psychology</td>
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Pharmacy as a Career
Southern Arkansas University has a strong program in prepharmacy and has had during the past decade. The percentage of applicants from SAU accepted each year into a pharmacy school compares very favorably to that of other universities in the state.

The Pharmacy program requires a total of five to six years to complete. Two of these years are spent at SAU, with the remaining three or four at a pharmacy school. Most of our students attend the University of Arkansas for Medical Sciences (UAMS), although a few go to Northeast Louisiana University School of Pharmacy in Monroe.

Jobs are plentiful for new pharmacists in Arkansas. Most of last year's graduates of the UAMS School of Pharmacy had accepted positions prior to the date of their graduation. It is estimated that job availability exceeds the number of graduates by 40-60%. Job opportunities are available throughout the Midwest and South. Georgia, Louisiana, Missouri, Oklahoma, and Texas all recruit graduates of the pharmacy school at Little Rock. New graduates can expect to receive a good salary in their first employment as a pharmacist.

Admission into a program of study is selective. The mean grade point average of those students accepted is often 3.15 or higher out of a possible 4.0. It is important for prepharmacy majors to be serious students and attain good grades while at SAU to enhance their chance for admission into the pharmacy school of their choice.

The following factors should be considered in planning a career as a pharmacist:

1. SAU has an excellent record in preparing students for acceptance into pharmacy school.
2. The financial outlook for pharmacists is much better than for many other occupations which require similar training periods.
3. Pharmacy provides an opportunity for owning a business, which means unlimited potential for income if the pharmacist is also a good business person.
4. The opportunities for minority students to become pharmacists, and later independent business owners, are excellent.
5. The SAU prepharmacy program provides a broad background (history, English, etc.), but the main emphasis is on science and math courses.

Prepharmacy - 62 hours
ACCT 2003 Principles of Accounting I
BIOL 1023/1021 Vertebrate Zoology/Lab
BIOL 1033/1031 General Botany/Lab
CHEM 1023/1021 University Chemistry I/Lab
CHEM 1123/1121 University Chemistry II/Lab
CHEM 3003/3001 Organic Chemistry I/Lab
CHEM 3103/3101 Organic Chemistry II/Lab
ECON 2003 Principles of Macroeconomics
ENGL 1113 Composition I
ENGL 1123 Composition II
HIST 2013 History of the United States to 1876
MATH 1023 College Algebra and MATH 1033 Plane Trigonometry
or
MATH 1045 Precalculus Mathematics
PHYS 2003/2001 General Physics I/Lab
PHYS 2103/2101 General Physics II/Lab
9 hours of electives from history, sociology, literature, or psychology

This schedule prepares students for admission into the College of Pharmacy at the University of Arkansas for Medical Sciences. A satisfactory score on the Pharmacy College Admissions Test (PCAT) is required.

**Optometry as a Career**
A career in optometry is open to all individuals who have the desire and demonstrated academic skills. Equally as important, the Doctor of Optometry candidate must be prepared to make the necessary commitment to life-long learning and responsibility for patient care.

**Preoptometry** - 94-95 hours
BIOL 1013/1011 Invertebrate Biology/Lab
BIOL 1023/1021 Vertebrate Biology/Lab
BIOL 2063/2061 Anatomy and Physiology I/Lab
BIOL 2073/2071 Anatomy and Physiology II/Lab
BIOL 3032/3022 General Microbiology/Lab
CHEM 1023/1021 University Chemistry I/Lab
CHEM 1123/1121 University Chemistry II/Lab
CHEM 3003/3001 Organic Chemistry I/Lab
CHEM 3103/3101 Organic Chemistry II/Lab
ECON 2003 Principles of Macroeconomics
ENGL 1113 Composition I
ENGL 1123 Composition II
ENGL 2213 Literature I
ENGL 2223 Literature II
MATH 1023 College Algebra and
MATH 1033 Plane Trigonometry
or
MATH 1045 Precalculus Mathematics
MATH 1525 Calculus I

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Physical Therapy as a Career

Physical therapy is becoming increasingly popular as a career choice of college students. The questions and answers which follow should provide background information to allow prospective students to determine whether this might be among their fields of interest.

1. **What type of work do physical therapists do?** Physical therapists treat a wide variety of physical disabilities which may be caused by disease, birth defects, or injuries. Therapists design treatments which restore or improve function of the musculoskeletal, neuroskeletal, cardiovascular, and respiratory systems of the patient. Treatments may improve functions by increasing the range of joint movement, by increasing muscle strength, coordination, and endurance, or by relieving pain of muscular activity.

2. **What type of background is necessary for admission into a physical therapy school?** Since all Physical Therapy degree programs are at either masters or doctoral level, an undergraduate (B.S.) degree is required; most students major in Biology and minor in Psychology. Though applicants may be able to take the Allied Health Profession Admissions Test (AHPAT), most programs require the Graduate Record Exam (GRE) before admission.

3. **How long does it take to complete a physical therapy program?** Degree programs in Physical Therapy vary in completion time based on the graduate degree attained.

4. **Is a physical therapy program available within Arkansas?** Yes. The University of Central Arkansas at Conway offers a doctoral degree program. Professional schools are also available in most states which lie adjacent to Arkansas. Students may complete the B.S. degree requirements at Southern Arkansas University and then apply to the professional schools of their choice.
5. **Does satisfactory completion of the preprofessional program insure admittance into a physical therapy school?** No. Admission into a professional program is competitive and selective. It is important that students maintain excellent grades in the preprofessional program and to attain good scores on the Allied Health Professions Admission Test or on the Graduate Record Examination in order to improve the chance of their selection.

6. **Are students from Southern Arkansas University admitted in physical therapy programs?** Yes. Students from SAU are quite competitive for admission into physical therapy programs. Students who possess superior abilities, motivation and maturity have an excellent probability of admission into the school of their choice.

7. **Where might a student look for employment upon graduation from physical therapy school?** Physical therapists are employed by hospitals, rehabilitation centers, nursing homes, schools, athletic programs, the armed services, and home health care organizations, or they may go into private practice.

**Prephysical Therapy**

B.S. degree in Biology that must include:

- BIOL 1023/1021 Vertebrate Zoology/Lab
- BIOL 2063/2061 Anatomy and Physiology I/Lab
- BIOL 2073/2071 Anatomy and Physiology II/Lab
- BIOL 3373 Introduction to Neuroscience
- BIOL 3401 Medical Terminology
- BIOL 4202 Histology
- ENGL 3003 Advanced Professional Writing
- PSYC 2003 General Psychology
- PSYC 3183 Statistics
- SOC 2003 Introduction to Sociology
- SPCH 1113 Principles of Speech

This program prepares students for admission into the University of Central Arkansas doctoral level physical therapy program. Other programs may require modification of course work. A satisfactory score on the Allied Health Professions Admissions Test (AHPAT) is required. Recently, most programs require a B.S. degree for acceptance.

**Prerespiratory Therapy**

The objective of the preprofessional curriculum in Respiratory Therapy is to provide learning experiences that will qualify its students to seek admission to a professional respiratory care program, *i.e.*, the University of Central Arkansas and University of Arkansas for Medical Sciences.

**Application Procedures and Deadlines**

The deadline for applications for admission into professional programs is the March before the program begins in the fall. Students should contact their
professional school of choice as early as possible to verify preprofessional requirements and obtain information about application procedures.

**Prerrespiratory Therapy** - 38 hours

<table>
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<tr>
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<tr>
<td>BIOL 2073/2071</td>
<td>Anatomy and Physiology II/Lab</td>
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<tr>
<td>BIOL 3032/3022</td>
<td>General Microbiology/Lab</td>
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<td>CHEM 1013/1011</td>
<td>General Chemistry I/Lab</td>
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<td>ENGL 1113</td>
<td>Composition I</td>
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<td>ENGL 1123</td>
<td>Composition II</td>
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<tr>
<td>MATH 1023</td>
<td>College Algebra</td>
</tr>
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<td>PHYS 2003/2001*</td>
<td>General Physics I/Lab</td>
</tr>
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9 hours of electives selected from the following:

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<th>Title</th>
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<tbody>
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<td>Introduction to Computer Science/Applications for CSCI 1102</td>
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<tr>
<td>HIST 2013</td>
<td>History of the United States to 1876</td>
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</tr>
<tr>
<td>HIST 2023</td>
<td>History of the United States since 1876</td>
</tr>
<tr>
<td>PSYC 2003</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SOC 2003</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SPCH 1113</td>
<td>Principles of Speech</td>
</tr>
</tbody>
</table>

*MATH 1023 College Algebra is a prerequisite for PHYS 2003 General Physics I, which is offered only in the fall semester.

**Preveterinary Medicine**
This program prepares students for admission into the Louisiana and Oklahoma Veterinary Medicine Schools (Arkansas has none.) A Biology major with an appropriate minor will provide the preprofessional curriculum necessary to successfully seek application into this career choice. See page 158 for specific course requirements.

**Department of Mathematics and Computer Science**
The mission of the department is seven-fold. One is to prepare students for careers in both mathematics and computer science. Another is to prepare students for advanced graduate training in both mathematics and computer science. A third is to prepare elementary, middle-school, and secondary teachers in the content areas of mathematics and computer science which are essential to their bachelor of science in education program (see the section of this catalog for the School of Education). A fourth is to prepare graduate students in the content area of mathematics essential for the master of education degree. A fifth is to provide both minor programs to support a variety of major programs and service courses in mathematics and computer science in support of other departmental major and minor programs. A sixth is to support the
general education program. The final mission is to offer developmental courses to prepare students for college-level mathematics.

The department offers the Bachelor of Science degree in Mathematics and in Computer Science. The curriculum in mathematics adheres to the professional standards of the Mathematical Association of America and those of the National Council of Teachers of Mathematics. The curriculum in Computer Science adheres to the professional standards of the Association for Computing Machinery. The department also offers minors in both Mathematics and Computer Science.

**Major in Mathematics (B.S.) - 124 hours**

**General Education** - 36 hours (mathematics and physical science courses are included in the major)

**Mathematics** - 37 hours
- MATH 1525 Calculus I
- MATH 1545 Calculus II
- MATH 2563 Calculus III
- MATH 2753 Linear Algebra
- MATH 3033 Differential Equations
- MATH 3063 Abstract Algebra
- MATH 3083 Principles of Analysis

12 hours of electives in mathematics selected from the following:
- MATH 4003 College Geometry
- MATH 4023 Point-Set Topology
- MATH 4033 Introduction to Complex Variables
- MATH 4043 Numerical Analysis
- MATH 4073 Introduction to Probability and Statistics
- MATH 4123 History of Mathematics
- MATH 4613 Special Topics

**Physical Science** - 8 hours
- CHEM 1013/1011 General Chemistry I/Lab and
- CHEM 1113/1111 General Chemistry II/Lab
  or
- CHEM 1023/1021 University Chemistry I/Lab and
- CHEM 1123/1121 University Chemistry II/Lab
  or
- PHYS 2203/2201 University Physics I/Lab and
- PHYS 2213/2211 University Physics II/Lab

**Language** - 6-9 hours
- CSCI 2103 Programming I

3 additional hours of computer science at or above the sophomore level
or

6 hours of a foreign language at the university level

Completion of 34-37 hours of electives to total 124 hours

No minor is required in this major.

**Minor in Mathematics** - 19 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1525</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 1545</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MATH 2753</td>
<td>Linear Algebra</td>
</tr>
</tbody>
</table>

6 hours selected from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3033</td>
<td>Differential Equations</td>
</tr>
<tr>
<td>MATH 3063</td>
<td>Abstract Algebra</td>
</tr>
<tr>
<td>MATH 3083</td>
<td>Principles of Analysis</td>
</tr>
<tr>
<td>MATH 4003</td>
<td>College Geometry</td>
</tr>
<tr>
<td>MATH 4023</td>
<td>Point-Set Topology</td>
</tr>
<tr>
<td>MATH 4033</td>
<td>Introduction to Complex Variables</td>
</tr>
<tr>
<td>MATH 4043</td>
<td>Numerical Analysis</td>
</tr>
<tr>
<td>MATH 4073</td>
<td>Introduction to Probability and Statistics</td>
</tr>
<tr>
<td>MATH 4123</td>
<td>History of Mathematics</td>
</tr>
<tr>
<td>MATH 4613</td>
<td>Special Topics</td>
</tr>
</tbody>
</table>

**Major in Computer Science (B.S.)** - 124 hours

**General Education** - 36 hours (mathematics and physical science courses are included in the major)

**Computer Science and Computer Information Systems** - 30 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 3403</td>
<td>Database Management Systems</td>
</tr>
<tr>
<td>CSCI 2103</td>
<td>Computer Science I</td>
</tr>
<tr>
<td>CSCI 2113</td>
<td>Computer Science II</td>
</tr>
<tr>
<td>CSCI 3063</td>
<td>High Level Language</td>
</tr>
<tr>
<td>CSCI 3103</td>
<td>Data Structures and Algorithms</td>
</tr>
<tr>
<td>CSCI 3203</td>
<td>Assembler and Machine Organization</td>
</tr>
<tr>
<td>CSCI 3703</td>
<td>Computer Architecture</td>
</tr>
<tr>
<td>CSCI 4133</td>
<td>Operating Systems</td>
</tr>
<tr>
<td>CSCI 4143</td>
<td>Programming Languages and Compilers</td>
</tr>
<tr>
<td>CSCI 4153</td>
<td>Software Engineering</td>
</tr>
</tbody>
</table>

12 hours of electives selected from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 3103</td>
<td>Advanced Networking I</td>
</tr>
<tr>
<td>CIS 4213</td>
<td>Systems Analysis and Design</td>
</tr>
<tr>
<td>CSCI 3403</td>
<td>Artificial Intelligence</td>
</tr>
<tr>
<td>CSCI 3903</td>
<td>Special Topics in Computer Science</td>
</tr>
<tr>
<td>CSCI 4163</td>
<td>Computer Graphics</td>
</tr>
<tr>
<td>CSCI 4173</td>
<td>Computerized Simulations</td>
</tr>
</tbody>
</table>
MATH 4043 Numerical Analysis

Mathematics - 19 hours
MATH 1525 Calculus I
MATH 1545 Calculus II
MATH 2033 Discrete Mathematics
MATH 2753 Linear Algebra
MATH 4073 Introduction to Probability and Statistics

Physics - 8 hours
PHYS 2003/2001 General Physics I/Lab and
PHYS 2103/2101 General Physics II/Lab
or
PHYS 2203/2201 University Physics I/Lab and
PHYS 2213/2211 University Physics II/Lab

Completion of 19 hours of electives to total 124 hours

No minor is required in this major.

Minor in Computer Science - 21 hours
CSCI 2103 Computer Science I
CSCI 2113 Computer Science II
CSCI 3063 High Level Language
CSCI 3103 Data Structures and Algorithms
CSCI 3203 Assembler and Machine Organization
CSCI 4133 Operating Systems
MATH 2033 Discrete Mathematics

Notes:
1 MATH 1525 requires either MATH 1023 and MATH 1033 or MATH 1045 as a prerequisite.
2 CSCI 1102/1101 or an equivalent is recommended as a prerequisite for CSCI 2103.
3 MATH 4043 requires MATH 3033 as a prerequisite.
4 MATH 1525 is strongly recommended for a computer science minor.
5 MATH 2033 requires MATH 1023 as a prerequisite.

The minors in Mathematics and Computer Science are designed to serve the entire University and are particularly attractive when added to any major in that they increase both employment opportunities and graduate school options. The minor in Computer Science, when combined with a Mathematics major or an Engineering-Physics major, would prepare the student to pursue graduate study in Computer Science.
Department of Nursing

The Department of Nursing at Southern Arkansas University is approved by the Arkansas State Board of Nursing. The Department of Nursing offers both Associate of Science and Bachelor of Science degrees in Nursing, and the Associate of Science in Nursing degree is accredited by the National League for Nursing Accrediting Commission (NLNAC). All interested parties (students, graduates and other parties associated with the Program) may contact the NLNAC to express any statement or concern at the following: National League for Nursing Accrediting Commission, 61 Broadway, New York, New York 10006, telephone: 1-800-669-1656 ext. 153

Associate of Science in Nursing

The purpose of the Associate of Science degree in nursing is to provide a general education in the liberal arts and sciences together with nursing education. The nursing program at SAU consists of four academic semesters. It includes 33 hours of credit in the general education courses and 38 hours of credit in nursing courses.

Application Procedure and Deadline

Students seeking admission to the associate degree nursing program must be admitted to the University and must also apply for admission to the Department of Nursing. Admission to the University does not automatically mean admission into the nursing program.

The procedure, when a student makes application to the University and to the nursing program, should include the following:

1. Request Admission Application from the Office of Admissions; complete and return to the Office of Admissions, SAU-Magnolia campus, as soon as possible.
2. Submit ACT scores to the Office of Admissions. The American College Test is required for all nursing students. Applicants with ACT scores lower than 19 must complete all developmental coursework before applying to the program.
3. Request official transcripts of high school and all post high school education to be sent to the Office of Admissions.
4. Once the above-mentioned credentials have been submitted to the Office of Admissions, the applicant should ask that all necessary application materials be forwarded to the Department of Nursing.
5. Set up an appointment for a personal interview after February 1 and before March 15. These appointments are made by calling the department secretary at (870) 235-4331. Office hours are 8 a.m. to 12 noon and 1 to 5 p.m., Monday through Friday.
6. Understand that according to the Arkansas State Board of Nursing, persons convicted of a crime may not be eligible to take the NCLEX-RN. Before
students may enroll in a clinical nursing course or become licensed to practice as registered nurses by exam in Louisiana, students must be of good moral character and have no disciplinary action by any licensing/certifying board in any state; no arrest, criminal charge or conviction; and no addiction or impairment which may affect their ability to practice nursing with reasonable skill and safety. Graduates applying for licensure in Arkansas or Louisiana will be required to have federal and state background checks before their applications will be processed. See program chair for further details.

7. Applicants must have satisfactorily completed (C or better) a high school or college chemistry course **within the last five years**. This chemistry **MUST** have had a laboratory component.

8. Applicants will be notified of acceptance into the nursing program by June 1st.

Please contact the Department of Nursing for current admission requirements.

**Transfer Students**

Transfer students from approved schools will be **evaluated** on an individual basis and are admitted to the nursing program only as space is available. Transfers may receive credit for NURS 1004 provided course description is comparable. All transfer students must complete first-level non-nursing courses before entering the second-level nursing courses. Transfer students must demonstrate technical competency for retention and progression to second level.

Transfer students must have completed all previous science courses within the last five years in order to be accepted as transfer credit.

Because of the rapidly expanding body of knowledge within the nursing profession, it is necessary that credits for nursing classes be within a five year time frame. All nursing courses older than five years must be repeated. Only a grade of C or better will be accepted.

All transfer students, as do all other nursing students, will be required to pass the nursing department dosage calculation test each semester with a 90% or higher score.

Transfer students, and all other nursing students, who have been unsuccessful in passing the same nursing course twice or who have failed two nursing courses will **NOT** be eligible for admission into the nursing program.

Students seeking transfer from another nursing program into the SAU Nursing program must submit a letter of good standing from their previous nursing program.
**Prenursing, Associate of Science Courses**

Those students who have a composite score of less than 19 on the ACT are advised to take the following courses and earn a cumulative grade point average of 2.5 or higher before applying to the nursing program.

**Biology** - 8 hours
- BIOL 2063/2061 Anatomy and Physiology I/Lab
- BIOL 2073/2071 Anatomy and Physiology II/Lab

**English** - 6 hours
- ENGL 1113 Composition I
- ENGL 1123 Composition II

**Psychology** - 6 hours
- PSYC 2003 General Psychology
- PSYC 3223 Developmental Psychology

**Sociology** - 3 hours selected from the following:
- SOC 3033 Sociology of Marriage and Family
- SOC 3013 Social Problems
- SOC 4073 Social Gerontology

**Math** - 3 hours
- MATH 1023 College Algebra

Fulfillment of the prenursing courses does not assure admittance into the associate degree nursing program (please see Application Procedure and Deadline).

**The Nursing Program of Study**

**Biology** - 15 hours
- BIOL 2003 Nutrition and Diet
- BIOL 2063/2061 Anatomy and Physiology I/Lab
- BIOL 2073/2071 Anatomy and Physiology II/Lab
- BIOL 3032/3022 General Microbiology/Lab

**Mathematics** - 3 hours
- MATH 1023 College Algebra

**English** - 6 hours
- ENGL 1113 Composition I
- ENGL 1123 Composition II
Psychology - 6 hours
PSYC  2003    General Psychology
PSYC  3223    Developmental Psychology

Sociology - 3 hours selected from the following:
SOC   3033    Sociology of Marriage and Family
SOC   3013    Social Problems
SOC   4073    Social Gerontology

Nursing Education (Regular Track) - 38 hours
NURS  1003/1004 Clinical Lab/Level I
NURS  1103/1104 Clinical Lab/Level II
NURS  2004/2014 Clinical Lab/Level III
NURS  2104/2114 Clinical Lab/Level IV
NURS  2144    Care of the Child
NURS  2224    Care of the Individual’s Mental Health

The student must have a chemistry background. **CHEM 1013/1011** is a chemistry course for those who have not had high school chemistry or who had a chemistry course more than **five** years prior to admission. Students are encouraged to take some of the general education courses in the summer.

Students re-entering the program after a five-year period are required to repeat or audit nursing and/or science courses (Anatomy & Physiology I/Lab, II/Lab, Microbiology/Lab, Chemistry/Lab).

Nursing courses require clinical labs in area hospitals. Students are responsible for their own transportation and should expect to travel to various area facilities.

All nursing students will take the CAAP in July.
Mental and Physical Abilities Statement
Although a student with a mental or a physical disability may apply, a student enrolled in the nursing program must possess those intellectual, ethical, physical, and emotional capabilities needed to meet all of the requirements at each level of the curriculum. The student must be able to achieve the level of competence required for safe professional practice. The student must possess the mental and physical abilities required in the classroom and in the clinical setting and be able to perform the following:

1. Work in a standing position and walk in campus/clinical lab settings, such as operating rooms and emergency rooms.
2. Lift and transfer clients up to six inches from a stooped position or push/pull weight up to three feet, such as transfer a client from bed to stretcher or push a client in a wheelchair or stretcher.
3. Lift and transfer patients from a stooped to an upright position to accomplish bed-to-chair and chair-to-bed transfers.
4. Apply up to 10 pounds of pressure to bleeding sites or in performing CPR.
5. Respond and react immediately to auditory instruction, request, and/or monitor equipment; perform auditory auscultation without auditory impediment.
6. Perform up to twelve hours in a clinical laboratory setting.
7. Perform close and distance visual activities involving objects, people, and paperwork, as well as discriminate depth and color perception.
8. Discriminate between sharp/dull and hot/cold when using hands.
9. Perform mathematical calculation for medication preparation administration, and be able to reason, analyze and synthesize information.
10. Communicate effectively, both orally and in writing, using appropriate grammar, vocabulary, and word usage.
11. Make quick decisions under stressful situations.

LPN-RN Track Option

General Description of the Program: The purpose of the LPN to RN program is to provide upward mobility for qualified Licensed Practical Nurses, Licensed Vocational Nurses, and Licensed Psychiatric Technician Nurses. This program is a separate track option for current LPN’s, LPTN’s, and LVN’s and permits them to receive recognition and credit for previous nursing education and experience. It provides the opportunity to complete all requirements for the Associate of Science degree in one calendar year for those who qualify. Students may complete the general education course requirements at Southern Arkansas University or at any other accredited college or university. No grade below a C is acceptable. The nursing courses will be taught in Magnolia. Interested LPN’s, LVN’s, and LPTN’s are encouraged to write to the Department of Nursing, P. O. Box 9406, Magnolia, AR 71754-9406, to call 870-235-4331, or to visit our website at www.saumag.edu/nursing for additional information.
Applicants must have a minimum of nine months in nursing practice experience as an LPN, LPTN, or LVN in an acute care facility. Because of the rapidly expanding body of knowledge within the nursing profession, it is necessary that credits for nursing classes be within a five-year time frame. All nursing courses older than five years must be repeated. Only a grade of C or better will be accepted.

The student must have a chemistry background. CHEM 1013/1011 is a chemistry course for those who have not had high school chemistry or who had a chemistry course more than five years prior to admission.

**The LPN to RN Nursing Program of Study**

Students who score lower than 19 on any part of the ACT will be referred to the Academic Opportunities Program for evaluation and assistance prior to enrolling in regular courses for credit. Twenty-four hours from the following courses must be completed prior to enrollment in the program.

**Biology** - 15 hours
- BIOL 2003 Nutrition and Diet
- BIOL 2063/2061 Anatomy and Physiology I/Lab
- BIOL 2073/2071 Anatomy and Physiology II/Lab
- BIOL 3032/3022 General Microbiology/Lab

**Mathematics** - 3 hours
- MATH 1023 College Algebra

**English** - 6 hours
- ENGL 1113 Composition I
- ENGL 1123 Composition II

**Psychology** - 6 hours
- PSYC 2003 General Psychology
- PSYC 3223 Developmental Psychology

**Sociology** - 3 hours selected from the following:
- SOC 3033 Sociology of Marriage and Family
- SOC 3013 Social Problems
- SOC 4073 Social Gerontology

**Nursing Education (LPN-RN Track)** - 38 hours
- NURS 1318/1310 Nursing Transition (+6 hours upon successful completion)
- NURS 2004/2014 Clinical Lab/Level III
- NURS 2104/2114 Clinical Lab/Level IV
- NURS 2144 Care of the Child
- NURS 2224 Care of the Individual’s Mental Health

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All nursing students will take the CAAP in July.

**RN-BSN Program**
The purpose of the RN to BSN program is to provide upward mobility for qualified registered nurses. This is a separate track option for RN’s only and permits current associate degree or diploma nurses who have met the general education core requirements to continue their nursing education and gain additional experience. It provides the opportunity to complete all requirements for the Bachelor of Science in Nursing degree in two years. Students may complete the general education course requirements at Southern Arkansas University or at any other accredited college or university. No grade below C is acceptable. The nursing courses will be taught on the Magnolia campus. Clinical experiences may be individualized for each student. Interested RN’s are encouraged to write the Department of Nursing office for additional information. Initial accreditation of the BSN Program will be sought from the appropriate accreditation agencies in the fall of 2003.

1. Applicants must be graduates of an NLNAC accredited school of nursing.
2. Applicants must have current, valid Arkansas licenses to practice as registered nurses and also be licensed in the state in which their clinical experience will be obtained.
3. Applicants must complete department interview (held from April 15 to May 15).
4. Applicants must submit transcripts to document all academic courses showing a GPA of 2.5 and C or better in all courses leading to the degree.
5. Applicants must provide proof of liability insurance, Hepatitis B vaccination, current CPR card, and TB screening.
6. Applicants should request an admission application from the Office of Admissions, and return the same completed application. Applicants cannot be admitted to the Nursing Program without being enrolled at the University.

The following courses MUST be completed prior to enrollment in the program:

- **CHEM 1113/1111** General Chemistry II/Lab
- **MATH 1023** College Algebra
- **SOC 3183** Statistics

Additional course requirements are as follows:

**Fine Arts/Foreign Languages** - 6 hours

- **ART 2013** Introduction to Fine Arts: Art
- **MUS 2013** Introduction to Fine Arts: Music
- 3 hours Foreign language
**Humanities** - 6 hours
ENGL 2213 Literature I
ENGL 2223 Literature II
PHIL 2403 Introduction to Philosophy

**Physical and Health Education** - 2 or 3 hours
HS 1403 Personal and Community Health
or
PHED 1501 Concepts of Physical Activity and Wellness
Plus one semester hour from PHED 1001-1491 (various activity courses)

**Physical Science** - 4 hours
CHEM 1113/1111 General Chemistry II/Lab

**Social Science** - 12 hours
HIST 1003/1013 3 hours history of civilization
HIST 2013/2023 3 hours history of the U.S.
PSYC 2003 General Psychology
3 hours selected from the following:
SOC 1003 General Anthropology
SOC 2003 Introduction to Sociology
GEOG 2003 Introduction to Geography
PSCI 2003 American Government: National

**Nursing Education (RN-BSN Track)** - 27 hours
NURS 3003 Health and Physical Assessment
NURS 3033/3023 Community Health Nursing/Practicum
NURS 3013 Issues and Trends in Nursing
NURS 3043 Introduction to Research
NURS 4013/4083 Nursing Leadership and Management/Practicum
NURS 4063 Advanced Adult Health
and
NURS 4023 Geropsychiatric Nursing Practicum
or
NURS 4053 Care of the Critically Ill Individual Practicum
or
NURS 4073 Ambulatory Care Practicum

Please note that graduation from SAU with a Bachelor of Science in Nursing degree requires the student to have 40 junior/senior hours. In addition, 24 of the last 30 hours must be taken on the Magnolia campus.

**Department of Physical Sciences and Technology**
The Department of Physical Sciences and Technology offers majors in chemistry, engineering-physics, and medical technology and a bachelor of science degree and an associate of science degree in industrial technology. Students interested in teaching any science area in secondary schools should
follow the applicable curriculum in the section of this catalog for the School of Education. The department also offers strong minors in chemistry, geology, and physics.

Chemistry
The Chemistry program offers an up-to-date curriculum which leads to the Bachelor of Science (B.S.) degree for those students wishing to major in Chemistry and for those interested in allied fields such as medicine, dentistry, and medical technology. Chemistry course work can also meet the needs of all students who take chemistry either as a requirement or as an elective.

Students who plan to do graduate work in Chemistry or closely allied fields should take all the chemistry courses offered which are designed for majors during their residence and as much mathematics, physics, and computer science as their curricula permit. Chemistry is one of the most highly recommended courses of study for students interested in pursuing careers in the health sciences such as medicine, optometry, dentistry, pharmacy, and paramedical fields.

Note: Students are required to wear, at all times and with no exceptions, safety glasses and aprons or coats when in the laboratory.

The following is the minimum required curriculum for a bachelor of science in chemistry.

Major in Chemistry (B.S.) - 124-158 hours
General Education - 29 hours (Mathematics and physical science courses are included in the major.)

Chemistry - 43-46 hours
CHEM 1023/1021 University Chemistry I/Lab
CHEM 1123/1121 University Chemistry II/Lab
CHEM 2013/2001 Analytical Chemistry/Lab
CHEM 3113/3111 Instrumental Analysis/Lab
CHEM 3002 Chemical Literature
CHEM 3003/3001 Organic Chemistry I/Lab
CHEM 3103/3101 Organic Chemistry II/Lab
CHEM 3023/3021 Physical Chemistry I/Lab
CHEM 3123/3121 Physical Chemistry II/Lab
CHEM 4033 Advanced Inorganic Chemistry

6 or more hours (two or more courses) selected from the following:
CHEM 4003/4001 Biochemistry I/Lab
CHEM 4013 Advanced Organic Chemistry
CHEM 4043/4041 Advanced Analytical Chemistry/Lab
CHEM 4701-3 Undergraduate Research
CHEM 4791-3 Advanced Topics in Chemistry I
CHEM 4891-3  Advanced Topics in Chemistry II
CHEM 4991-3  Advanced Topics in Chemistry III

**Computer Science** - 6 hours
CSCI 2103  Programming I
CSCI 2113  Programming II

**Physics** - 8 hours
PHYS 2203/2201  University Physics I/Lab
PHYS 2213/2211  University Physics II/Lab

**Mathematics** - 19 hours

Completion of 2-16 hours of electives (Total hours must be sufficient to complete general requirements for graduation, and the student is expected to develop an insight into current problems and techniques of chemistry.)

No minor is required in this major.

**Major in Chemistry with Minor in Biology (B.S.) - Prehealth Professional** - 124 hours

**General Education** - 35 hours (Biology, mathematics, and physical science courses are included in the major.)

**Chemistry** - 32 hours
CHEM 1023/1021  University Chemistry I/Lab
CHEM 1123/1121  University Chemistry II/Lab
CHEM 2013/2001  Analytical Chemistry/Lab
CHEM 3113/3111  Instrumental Analysis/Lab
CHEM 3003/3001  Organic Chemistry I/Lab
CHEM 3103/3101  Organic Chemistry II/Lab
CHEM 4003/4001  Biochemistry I/Lab
4 hours selected from the following:
CHEM 3013/4701  Fundamentals of Physical Chemistry/Undergraduate Research
CHEM 3023/3021  Physical Chemistry I/Lab (requires MATH 1525 and MATH 1545)
CHEM 4043/4041  Advanced Analytical Chemistry/Lab

**Computer Science** - 6 hours selected from the following:
CSCI 1102/1101  Introduction to Computer Science/Applications for CSCI 1102
CSCI 2103  Programming I
CSCI 2113  Programming II
CSCI 3063  High Level Language

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### Mathematics - 8-19 hours

- **MATH 1023** College Algebra and **MATH 1033** Plane Trigonometry

  or
  - **MATH 1045** Precalculus Mathematics

- **MATH 1525** Calculus I and **MATH 1545** Calculus II (required only for the CHEM 3023/3021 option)

- **MATH 3043** Introduction to Applied Probability and Statistics
  or
  - **MATH 4073** Introduction to Probability and Statistics

### Physics - 8 hours

- **PHYS 2203/2201** University Physics I/Lab and **PHYS 2213/2211** University Physics II/Lab
  or
  - **PHYS 2003/2001** General Physics I/Lab and **PHYS 2103/2101** General Physics II/Lab

### Biology Minor - 28 hours:

- **BIOL 1023/1021** Vertebrate Zoology/Lab
- **BIOL 1033/1031** General Botany/Lab
- **BIOL 3032/3022** General Microbiology/Lab
- **BIOL 3033/3031** Genetics/Lab
- **BIOL 3043** Cell Biology
- **BIOL 3122/3112** Embryology/Lab
- **BIOL 3401** Medical Terminology
- **BIOL 3703/3701** Vertebrate Physiology/Lab

### Minor in Chemistry - 24 hours

- **CHEM 1023/1021** University Chemistry I/Lab
- **CHEM 1123/1121** University Chemistry II/Lab
- **CHEM 2013/2001** Analytical Chemistry/Lab
- **CHEM 3003/3001** Organic Chemistry I/Lab

  plus

  - 8 hours (2 courses and laboratories) selected from the following:
    - **CHEM 3023/3021** Physical Chemistry I/Lab
    - **CHEM 3103/3101** Organic Chemistry II/Lab
    - **CHEM 3113/3111** Instrumental Analysis/Lab
    - **CHEM 4003/4001** Biochemistry I/Lab
Geology
The geology program of study is designed
1. to satisfy general education requirements,
2. to satisfy requirements of certification to teach, and
3. to satisfy the requirements for a minor in geology.

Minor in Geology - 24 hours
GEOL 1003/1001 Physical Geology/Lab
GEOL 1013/1011 Historical Geology/Lab
6 hours (minimum) of geology at the junior-senior level
10 hours of additional electives in geology

Physics and Engineering
The Physics and Engineering program offers both a general service program for non-science majors and a specialization program. PHYS 4003 is designed for physical science teaching majors. A specialization program which starts preferably with PHYS 2203/2201 and which has appropriate mathematics prerequisites is for Engineering-physics majors, medical science, and related science majors. Service courses are offered for agriculture, biology, chemistry, education, geology, mathematics, and preprofessional majors and for other students interested in physics.

Through the sophomore year, the Engineering-physics curriculum is designed to serve the needs of students in the field of engineering, medicine, and other sciences. Although the junior and senior courses are open to any student with the necessary prerequisites, they are based on the assumption that most engineering-physics majors will seek related engineering employment or go to graduate school. Research is emphasized in advanced work, and the student is expected to develop an insight into current problems and techniques of physics.

Major in Engineering-Physics (B.S.) - 124-134 hours

General Education - 35 hours (mathematics and physical science courses are included in the major)

Physics - 30 hours
PHYS 2203/2201 University Physics I/Lab
PHYS 2213/2211 University Physics II/Lab
PHYS 3033 Electricity and Magnetism I
PHYS 3054 Modern Physics
PHYS 3112/3110 Advanced Physics Laboratory Theory/Lab
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PHYS 4013</td>
<td>Optics</td>
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<tr>
<td>ITEC 4044</td>
<td>Advanced Manufacturing Systems</td>
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<tr>
<td>PHYS 4023</td>
<td>Solid State Physics</td>
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<td>or</td>
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<td>PHYS 3103</td>
<td>Digital Electronics</td>
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<td>or</td>
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<tr>
<td>PHYS 4043</td>
<td>Physical Mechanics I</td>
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<td>or</td>
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<tr>
<td>PHYS 4153</td>
<td>Fluid Mechanics</td>
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</tbody>
</table>

Senior Capstone Experience: PHYS 4591-2, 4691-2 (1 to 3 hours)
Senior Capstone Experience: PHYS 4791-3, 4891-3, 4991-3 (1 to 3 hours)

**Engineering** - 15 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENGR 1022</td>
<td>Engineering Materials and Forming Processes</td>
</tr>
<tr>
<td>ENGR 1212</td>
<td>Graphics</td>
</tr>
<tr>
<td>ENGR 2033</td>
<td>Electrical Circuits I</td>
</tr>
<tr>
<td>ENGR 2143</td>
<td>Statics</td>
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</tbody>
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5 hours of engineering electives

**Chemistry** - 8 hours

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CHEM 1023/1021</td>
<td>University Chemistry I/Lab</td>
</tr>
<tr>
<td>CHEM 1123/1121</td>
<td>University Chemistry II/Lab</td>
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</table>

**Mathematics** - 16 hours

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MATH 1525</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 1545</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MATH 2753</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>MATH 3033</td>
<td>Differential Equations</td>
</tr>
</tbody>
</table>

**Computer Science** - 6-9 hours (one year on the university level or 6 hours math-based computer science at sophomore level or above)

Completion of 18-25 hours of electives

No minor is required in this major.

**Minor in Physics** - 19 hours

<table>
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<tr>
<th>Course Code</th>
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<tr>
<td>PHYS 2203/2201</td>
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<tr>
<td>PHYS 2213/2211</td>
<td>University Physics II/Lab</td>
</tr>
<tr>
<td>PHYS 3112/3110</td>
<td>Advanced Physics Laboratory Theory/Lab</td>
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</tbody>
</table>

9 hours of physics electives at the junior-senior level
The purpose of the two-year plus program in Engineering is to give the student a sound foundation in engineering courses and in the related fields of mathematics, chemistry, and physics. Sufficient courses are offered and the program is so arranged that capable students may reach the halfway point toward an engineering degree in four or more semesters at Southern Arkansas University and continue, without loss of credit, in a chosen field of specialization at a college of engineering.

In order to preserve a four-year curriculum (eight semesters), most senior engineering colleges and universities assume that the beginning freshman is prepared to start mathematics at the analytical geometry-calculus level and require 130-140 semester hours for graduation. Any student who must start with college algebra and plane trigonometry or any lower-level mathematics course must take a semester load above the average, attend summer school, or take an extra semester or more to graduate.

Students who have not had at least two years of standard algebra and one year of plane geometry in high school or who cannot pass a placement test given by the Department of Mathematics and Computer Science are encouraged to take GSTD 0404 Fundamentals of Math and then MATH 0703 Intermediate Algebra, postponing MATH 1023 College Algebra and MATH 1033 Plane Trigonometry until the second year. Such students are expected to take MATH 1525 Calculus I in the spring or summer term so as to be eligible for sophomore engineering courses during the third year of college. Students who score sufficiently high on the placement test may take MATH 1525 the first semester of the freshman year.

<table>
<thead>
<tr>
<th>Pre-Engineering</th>
<th>68-72 hours</th>
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<tbody>
<tr>
<td>Chemistry</td>
<td>8 hours</td>
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<tr>
<td>CHEM 1023/1021</td>
<td>University Chemistry I/Lab</td>
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<tr>
<td>CHEM 1123/1121</td>
<td>University Chemistry II/Lab</td>
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<tr>
<th>Computer Science</th>
<th>3 hours</th>
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<tbody>
<tr>
<td>English</td>
<td>6 hours</td>
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<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
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<tr>
<td>ENGL 1123</td>
<td>Composition II</td>
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<table>
<thead>
<tr>
<th>Engineering</th>
<th>6 hours</th>
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<tbody>
<tr>
<td>ENGR 1011</td>
<td>Engineering Methods</td>
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<tr>
<td>ENGR 1212</td>
<td>Graphics</td>
</tr>
<tr>
<td>ENGR 2143</td>
<td>Statics</td>
</tr>
</tbody>
</table>
**Mathematics** – 18-19 hours

MATH 1023 College Algebra
MATH 1033 Plane Trigonometry

or

MATH 1045 Precalculus Mathematics
MATH 1525 Calculus I
MATH 1545 Calculus II
MATH 2753 Linear Algebra
MATH 3033 Differential Equations

**Physics** - 8 hours

PHYS 2203/2201 University Physics I/Lab
PHYS 2213/2211 University Physics II/Lab

6-7 hours of engineering electives selected from ENGR 1022, ENGR 2003/2001, ENGR 2033, ENGR 2133/2131

0-6 hours of non-technical electives selected from ECON 2003, ENGL 2213, HIST 1003, HIST 1013, HIST 2013, HIST 2023, PSCI 2003, PSCI 2013, PSYC 2003, SOC 1003, SOC 2003 (All non-technical electives must be approved by the engineering advisor.)

6-9 hours of technical electives selected from BIOL 1033/1031, AGEN 1002/1001, AGEN 2001/2002, AGEN 3003/3001, GEOL 1003/1001, GEOL 1013/1011

**Industrial Technology**

**Major in Industrial Technology (B.S.I.T.)**

The course requirements are divided into three blocks totaling 128 hours:

1. 43 hours - general education requirements as in all bachelor degrees;
2. 34 hours - basic technical courses as in an approved associate degree or the equivalent; and
3. 51 hours - the industrial technology core, including 9 hours of electives, to be typically offered off campus on weekends (see list below).

Up to 9 semester hours of individual experiential learning will be evaluated for credit by portfolio examination. These credits are applicable only to the Bachelor of Science in Industrial Technology degree. The student asking to be evaluated must be currently enrolled at SAU. Evaluation for credit will be made in accordance with CAEL (Council on Adult and Experiential Learning) standards. Details on the standards, procedure, cost, and appeal procedure may be obtained from the Coordinator, B.S.I.T. Program at (870) 235-4284.
Industrial Technology Core - 51 hours

Industrial Technology - 24 hours
ITEC 3003 Quality Control
ITEC 3012 Maintenance
ITEC 3023 Production and Inventory Control
ITEC 3032 Industrial Safety
ITEC 3043 Work Analysis: The Study of Motion, Time, and Ergonomics
ITEC 3063 Introduction to Industrial Management
ITEC 4004 Manufacturing Policy and Ethics
ITEC 4044 Advanced Manufacturing Systems

Other core requirements - 27 hours
CSCI 3503 Computational Methods for Industrial Technologists
CSCI 4123 Computer Aided Manufacturing
ENGR 2023 Fundamentals Manufacturing Processes
MATH 2123 Applied Calculus for Technology
MATH 3043 Introduction to Applied Probability and Statistics
PSYC 4023 Industrial and Organizational Psychology

9 hours (work experience or junior-senior technical electives or applied projects)

No minor is required in this major.

128 hours - Minimum graduation requirement, of which 60 hours must be from a senior-level institution and 30 hours from SAU campus offerings. Hours taken the semester of graduation must be taken in the SAU system.

Major in Industrial Technology (A.A.) - 67 hours
This two-year program prepares persons for work which occupies an area between the skilled crafts and the highly scientific professions. Employment opportunities exist in production, development, and design work, generally as direct supporting personnel for production or construction supervisors, engineers, or scientists. The person would perform duties such as crew leader or foreman, quality control and inspection, draftsman, laboratory technician, or engineer's aide.

Students successfully completing this program will receive an Associate of Arts degree. The curriculum is designed so that there will be a minimum loss of credit should the student decide to continue college work after completing two years.

Agricultural Engineering - 3 hours
AGEN 2032/2031 Agricultural Electrification/Lab
**Biological Sciences** - 4 hours
BSCI 1013/1011  The Biological Sciences/Lab

**Chemistry** - 8 hours
CHEM 1013/1011  General Chemistry I/Lab and
CHEM 1113/1111  General Chemistry II/Lab
or
CHEM 1023/1021  University Chemistry I/Lab and
CHEM 1123/1121  University Chemistry II/Lab

**Computer Science** - 6 hours
CSCI 1102/1101  Introduction to Computer Science/Applications for CSCI 1102
or
CIS 1033  Introduction to Computers
CSCI 2103  Programming I

**English** - 6 hours
ENGL 1113  Composition I
ENGL 1123  Composition II

**Engineering** - 9 hours
ENGR 1011  Engineering Methods
ENGR 1022  Engineering Materials and Forming Processes
ENGR 1212  Graphics
ENGR 2003/2001  Industrial Instrumentation/Lab

**Fine Arts** - 6 hours
ART 2013  Introduction to Fine Arts: Art
MUS 2013  Introduction to Fine Arts: Music

**Health Science and Physical Education** – 2-3 hours
HS 1403  Personal and Community Health
or
PHED 1501  Concepts of Physical Activity and Wellness
PHED 1__1  Activity elective

**Mathematics** - 5 - 6 hours
MATH 1023  College Algebra and MATH 1033 Plane Trigonometry
or
MATH 1045  Precalculus Mathematics

**Physics** - 8 hours
PHYS 2003/2001  General Physics I/Lab
PHYS 2103/2101  General Physics II/Lab

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Social Science - 3 hours
3 hours selected from the following:
HIST 2013  History of the United States to 1876
HIST 2023  History of the United States since 1876
PSCI 2003  American Government: National
3 hours of electives approved by advisor (Economics or psychology is recommended for entry into the B.S.I.T. program.)

Medical Technology
Southern Arkansas University, in cooperation with approved hospital schools of medical technology, offers a four-year program leading to the Bachelor of Science degree in Medical Technology. Graduates are also encouraged to take the examination for Certification by the Registry of Medical Technologists. Applicants for admission to a school of medical technology must have attended a college accredited by the North Central Association (or some similar regional accrediting agency) and have completed a minimum of 90 semester hours with a minimum grade point average of 2.50 or higher in biology and chemistry courses. Two PHED activity courses or equivalent military experience is required. Transfer students must complete at least 30 semester hours in residence at Southern Arkansas University. All students must obtain written approval from the Vice President for Academic Affairs and the medical technology director to enroll in the clinical program.

Major in Medical Technology (B.S.) - 124 hours

General Education - 32 hours (HS 1403 and science and mathematics requirements are fulfilled in the major)*

Biology - 18-22 hours**
8 hours selected from the following:
BIOL 1013/1011  Invertebrate Zoology/Lab
BIOL 1023/1021  Vertebrate Zoology/Lab
BIOL 1033/1031  General Botany/Lab

plus
BIOL 3022/3032  General Microbiology/Lab
BIOL 4022  Immunology and Serology

4 hours or more of electives selected from the following:
BIOL 2063/2061  Anatomy and Physiology I/Lab
BIOL 2073/2071  Anatomy and Physiology II/Lab
BIOL 3033/3031  Genetics/Lab

Chemistry - 20 hours**
CHEM 1023/1021  University Chemistry I/Lab
CHEM 1123/1121  University Chemistry II/Lab

plus
one year of organic chemistry with laboratory or one semester of organic chemistry and biochemistry and a laboratory course in analytical chemistry
Mathematics - 3 hours
MATH 1023 College Algebra (MATH 1033 is highly recommended)

Speech - 3 hours
SPCH 1113 Principles of Speech

Completion of 10-14 hours of electives: Courses in basic statistics, computer science, and physics are strongly recommended. Political science, accounting, economics, management, additional physics, biology, and chemistry may also be taken.

Completion of a total of 90 hours plus 34-40 hours of upper-level credit in a Medical Technology Clinical Program

No minor is required in this major.

*Students planning to take their clinical training at the University of Arkansas for Medical Sciences must complete two semesters of history of civilization and one semester of either American history or American national government.

**Biology and chemistry courses must be suitable for majors in both fields and must include laboratory credit.

CLEP credits are not acceptable for biology, chemistry, or mathematics courses.

Premedical Program
Candidates for admission to the School of Medicine of the University of Arkansas are required to present a minimum of three academic years (90 semester hours) of undergraduate work, exclusive of military science and physical education courses.

No specific courses are required. However, the student will find those listed in the next paragraph helpful for the study of medicine and for achieving adequate scores on the Medical College Admission Test (MCAT), which is required of all applicants and must be taken no later than the fall prior to the year in which admission to medical school is desired.

The School of Medicine of the University of Arkansas recommends courses in chemistry (including physical chemistry, organic chemistry, and biochemistry), biology (including molecular biology), computer science, statistics, logic, speech, physics, world literature, psychology, foreign language, etc.

Students are encouraged to pattern their courses closely enough to the general education requirements so that they could complete a degree program in one additional year if they are denied admission to medical school at the completion of the junior year. Most Premedical students who complete degrees obtain a major in chemistry with a minor in biology or a major in biology with a minor in chemistry.
Course Descriptions

Accounting (ACCT)


ACCT 3013. Managerial Accounting. Prerequisites: ACCT 2003 and ACCT 2103. Principles and practices of managerial accounting, with emphasis on cost management issues, including identification of cost activity bases, the measurement and reporting of cost information, and the use of cost information in decision making. Fall semester.

ACCT 3063. Accounting Information Systems. Prerequisites: ACCT 2103 and CIS 2053. Study of theories and procedures of designing and implementing accounting information systems with emphasis on transaction cycles, internal controls, and computerized accounting. Spring semester.


ACCT 3113. Cost Accounting. Prerequisite: ACCT 3013. Advanced topics in managerial accounting related to job order cost systems, process cost systems, ABC systems, and other inventory management topics. Spring semester.

ACCT 3983. Business Internship in Accounting. Prerequisites: Junior standing and approval of the Internship Committee. A structured field experience relevant to accounting. Each internship is designed to provide a representative and meaningful learning experience for the participating student. Honors course. Each semester.

ACCT 4003. Auditing. Prerequisites: ACCT 3103 and GBUS 3183. Theory and practice of auditing as applied to financial statement audits, compliance audits, and operational audits. Also covers professional ethics for accountants and legal liability issues. Fall semester.

ACCT 4023. Fundamentals of Taxation. Prerequisites: ACCT 2003 and ACCT 2103. A study of federal income tax laws with emphasis on the determination of federal income tax liability and tax planning for individuals. Fall semester.


ACCT 4063. Governmental and Not-for-profit Accounting. Prerequisite: ACCT 3103. Generally accepted accounting principles for governmental and not-for-profit organizations, with emphasis on fund accounting and the preparation and analysis of financial reports. Spring semester.

ACCT 4123. Advanced Taxation. Prerequisite: ACCT 4023. A study of federal income tax laws with emphasis on the determination of federal income tax liability and tax planning for entities other than individuals. Spring semester.

ACCT 4163. CPA Review. Prerequisite: permission of the instructor. Analysis and study of problems covered on the Certified Public Accountant examinations related to financial accounting and reporting: business enterprises; accounting and reporting: tax, managerial, non-profit; auditing; and business law and professional responsibilities. Spring semester.

ACCT 4301-3. Special Topics in Accounting. Prerequisite: ACCT 3103. A study of current events in accounting, financial statements analysis, taxation, cost analysis, and other topics as selected by the instructor. Offered on demand.

Agricultural Economics (AGEC)

AGEC 2073. Principles of Agricultural Economics. Prerequisite: ECON 2003 or consent of the instructor. Microeconomic principles with emphasis on agricultural production and pricing. Analysis of resource allocation under comparative economic systems. Same as ECON 2103. Lecture three hours.

AGEC 3003. Marketing of Farm Products. Prerequisite: AGEC 2073. A study of the marketing channels, movements of products from producers to consumers. Lecture three hours.

AGEC 3043. Farm Management. Prerequisite: AGEC 2073. A study of the principles of the farm organization and operation. The fundamental principles of economics as applied to agriculture will be reviewed and applied whenever possible. Organization and management of the farm for profitable production will be emphasized. Lecture three hours.

AGEC 3073. Principles of Real Estate. The basic concepts of real estate ownership, management, and marketing. An inquiry into the legal requirements and instruments involved in real estate management. Same as FIN 3073. Lecture three hours. Full semester.
AGEC 4013. **International Business in Agriculture.** An introduction to the essentials of international business in agriculture and the forces that affect it. Topics covered include the nature of international business in agriculture, international organizations and monetary systems, foreign environments and special management and marketing considerations which must be undertaken in order to perform international business in agriculture. Lecture three hours.

AGEC 4023. **Management of Agricultural Resources.** Prerequisites: AGEC 2073, ACCT 2003, and AGEC 3043. Economic planning for efficient use of production resources, financial record planning and budgetary analysis, tax management, and estate planning. Lecture three hours.

AGEC 4033. **Real Estate Appraisal.** An investigation of the principles and techniques of real estate appraisal for residential, commercial, and industrial properties. Offered on demand. Same as FIN 4033. Lecture three hours.

AGEC 4053. **Agricultural Policies and Problems.** Prerequisites: ECON 2003, AGEC 2073, or ECON 2103, and senior standing. Study of current economic problems facing the agricultural producer and agri-businessman. Lecture three hours.

**Agricultural Education (AGED)**

AGED 3003. **Leadership and Communication.** Covers leadership skills needed by teachers. Lecture three hours.

AGED 4003. **Methods of Teaching Agricultural Mechanics.** Planning, directing, and evaluating methods of teaching agricultural mechanics. Lecture three hours.

AGED 4013. **Methods in Agricultural Education.** Corequisite: S ED 3002. Methods and techniques in the quality teaching of agriculture education. Lecture three hours.

AGED 4023. **Program Development.** Principles and procedures used in developing a well-rounded agricultural education program. Lecture three hours.

**Agricultural Engineering (AGEN)**

AGEN 1001. **Agricultural Structures.** Woodworking, types of structures, foundations and concrete, building materials, insulation values, ventilation, heating and cooling, plumbing, structural material selection. Lecture one hour.

AGEN 1002. **Agricultural Structures Lab.** Lab to accompany AGEN 1001. Laboratory four hours.

AGEN 1011. **Environmental and Natural Resource Systems.** Agricultural surveying, conservation practices, conservation structures, water quality, material compatibility, recycling, waste disposal, and resource management. Lecture one hour.

AGEN 1012. **Environmental and Natural Resource Systems Lab.** Lab to accompany AGEN 1011. Laboratory four hours.


AGEN 2022. Agricultural Metals Lab. Lab to accompany AGEN 2021. Laboratory four hours.

AGEN 2031. Agricultural Electrification. Electric motors, principles of agricultural electric circuits and wiring, controls, and electronics. Lecture one hour.

AGEN 2032. Agricultural Electrification Lab. Lab to accompany AGEN 2031. Laboratory four hours.

AGEN 3001. Principles of Agricultural Engineering Lab. Lab to accompany AGEN 3003. Laboratory two hours.

AGEN 3003. Principles of Agricultural Engineering. Prerequisite: Sophomore standing. A study of drainage, erosion control and terracing, farm power, farm machinery, and electricity. Problems include mapping, measurements, leveling, basic wiring, power measurements, drawing, and lettering. Lecture three hours. (This course will substitute for AGEN 2001/2002 with approval of the department chair.)

Agriculture (AGRI)

AGRI 1001. Agricultural Orientation. A series of lectures dealing with agriculture as a profession and with the various possible majors and job opportunities. One hour credit.

AGRI 2003. Computer Applications in Agriculture. Computer applications in the field of agriculture. Introduction to agriculturally-oriented software programs and specific applications to the field of agriculture. Primary focus on using the computer to solve problems in agriculture. Prerequisites: MATH 1023, CSCI 1103, or CIS 1003 or permission of instructor. Lecture three hours.

AGRI 4003. Special Problems in Agriculture. A research project answering an agronomic problem will be planned, developed, answered, and written into a presentable format by the student enrolled in the program. Written permission by departmental chair is necessary. Three hours credit.

Agronomy (AGRO)

AGRO 1001. Crops Lab. To accompany AGRO 1002. Laboratory two hours.
AGRO 1002. Crops. Corequisite: BIOL 1031/1033. A first course in crops: their value as cash, grain, feed, cover, or green manure crops; types and varieties. Lecture two hours.

AGRO 2011. Soils Lab. To accompany AGRO 2013. Laboratory two hours.


AGRO 3031. Forage Crops and Pasture Management Lab. To accompany AGRO 3032. Laboratory two hours.


Art (ART)

ART 1013. Drawing I. A course designed to teach the fundamental techniques of drawing in various media. Provides instruction in the application of art elements and principles. Studio six hours.

ART 1023. Three-Dimensional Design. Prerequisites: ART 1013 and ART 1043. Exploration of three-dimensional form and space stressing organization of design elements, development of concepts, and manipulation of materials. Investigation of linear space, modular ordering, mass/volume, and color through projects of a conceptual and applied nature. Studio six hours.

ART 1043. Two-Dimensional Design. A basic study in two-dimensional organization of the elements and principles of design and color theory. Studio six hours.


ART 2003. Graphic Design I. Prerequisites: ART 1013, ART 1113, and ART 1043. Introduction to aspects of graphic communication using studio projects. Consideration of various methods of conventional and experimental graphics, mechanical reproduction, use of tools and equipment, the latest software, and current graphic design concepts and trends. Studio six hours.

ART 2013. An Introduction to Fine Arts: Art. Designed for the general student, the course attempts to present art as part of our cultural heritage. Basic terms and the characteristics of styles and periods. Includes familiarization with art equipment and process.

ART 2033. Typography. Prerequisites: ART 1043 and ART 2123. Study of letter forms, their history, and designing with type. Emphases on innovative typography in a variety of media and concepts and the use of pictorial symbols as forms of communication. Studio six hours.

ART 2063. Ceramics I. An introduction to ceramic processes including handbuilding techniques, wheel forming, glaze, and firing procedures. Studio six hours.

ART 2103. Painting I. Prerequisites: ART 1013 and ART 1043. The development of skills in opaque painting stressing form and content, visual perception, and individual expression. Technical instruction applicable to individual problems and needs. Studio six hours.

ART 2113. Painting II. Prerequisites: ART 2103. Continuing study and exploration of opaque painting methods and materials. Some structured assignments with exploration of individual concepts, ideas, and imagery to reinforce growth of technical skills and personal painting style. Studio six hours.


ART 3013. Decorative Arts. Studio work in the fine crafts, with emphasis on creative expression and issues of utility. Concept driven media and technique as well as traditional craft material and processes. Studio six hours.

ART 3023. Art History I. A study of the great works of art in the fields of architecture, sculpture, painting, and the allied arts from pre-history to the Romanesque period. Includes exposure to both Western and non-Western works and their influences.

ART 3063. Ceramics II. Prerequisite: ART 2063. Advanced studio work in ceramics with emphasis on the aesthetic values beyond application of techniques. Self-initiated problems, including glaze formulation and firing procedures will be stressed. Studio six hours.

ART 3073. Three-Dimensional Modeling and Animation. Prerequisite: ART 2123. Introduction to three-dimensional modeling application in computer environment and sequential art.

ART 3123. Art History II. A continuation of ART 3023 covering the period from Gothic art to nineteenth century Realism. Includes exposure to both Western and non-Western works and their influences.

ART 3213. Public School Art. A course designed for prospective teachers of art in the public school. Presents the practical application of art media, techniques, and theory to the needs of school children. Covers both developmental stages of children's art and foundations in basic art concepts. Lecture and studio six hours.

ART 3223. Illustration I. Prerequisite: ART 1013 and ART 1043. Exploration of a variety of illustrative techniques and concepts. Emphasis on black and white illustration. Studio six hours.
ART 3301, 3302, 3303. Art Internship. Prerequisites: 60 or more hours, minimum grade point average of 3.0, and/or recommendation of Art faculty. Participating students engage in a structured field experience under the supervision of a faculty advisor. Periodic reviews will be set up under the assigned instructor. Students desiring to enroll in an internship should submit an application to the Internship Program during preregistration for approval by the faculty of the Department of Art. Students are restricted to a cumulative total of four hours credit from Art Internships.

ART 3323. Electronic Publishing. Prerequisite: ART 2003 and ART 2033. Introduction to the multiple uses of the computer as relating to the specific needs of the graphic designer. Problems involving graphics, typography, and layout will be explored through hands-on experience and lecture. Lecture and lab six hours.

ART 3333. Graphic Design II. Prerequisite: ART 3323. Further problem-solving in the area of graphic communications. Students will concentrate on achieving sophisticated design solutions for hypothetical and actual clients. Completed solutions should be for portfolio building as well as formal analysis and critique. Studio six hours.

ART 3343. Illustration II. Prerequisite: ART 3223. Further focus on conceptual to technical illustration utilizing a wide range of media and techniques. Sample problems in advertising, editorial, and technical illustration fields. Studio six hours.

ART 4003. Sculpture. Prerequisite: ART 1023. Introduction to processes and materials of additive, subtractive, and metal casting processes. Creative expression as well as exploration in idea-form-material relationships. Studio six hours.

ART 4013, 4113. Special Topics in Art I, II. Prerequisites: Successful completion of fifteen hours in art. Open to all art majors and minors who wish to pursue in-depth research into a particular studio, design, or art history topic or series of topics chosen by the supervising art instructor(s). The research can be in two-dimensional, three-dimensional, or art historical areas and may be composed from any combination of these. Six studio hours. On an arranged basis. Periodical progress reviews will be established.

ART 4023, 4123. Advanced Art Studio I, II. Prerequisites: ART 4013 and permission. Open to art majors who desire concentrated exploration in a particular studio or design area to further develop their personal artistic growth both process-oriented and conceptual. The student will initiate a problem proposal in written form to receive approval from the supervising art faculty. Areas of concentration may be in one of the following: ceramics, drawing, graphic design, painting, printmaking, or sculpture. Other areas of concentration may be allowable upon approval from the department chair and supervising faculty. Six studio hours or equivalent work in library research. On an arranged basis. Periodical progress reviews will be established.

ART 4033. Art History III. Prerequisites: ART 3023, ART 3123. A study of Modern Art (nineteenth century to present) and the artists and theories behind the works. Includes exposure to mostly Western, but also some non-Western works and their influences.

ART 4041. Exhibition Techniques. Problems in preparation of studio artwork and/or design work for the purpose of public display. Consideration of art/space relationship. Student will participate in the senior art exhibition. This course should be taken during the last semester of the student's senior year. On "To Be Announced" basis.
ART 4043. **Portfolio Preparation.** Prerequisite: Senior art major. Preparation of a portfolio of graphic design solutions or studio works that demonstrate the student's professional abilities and strengths. Includes resume preparation along with personal logo/identity. Job search and interviewing. Studio majors will prepare slide portfolios for galleries, exhibits, and potential graduate school review. On an arranged basis with individualized periodical progress reviews.

ART 4053. **Package Design.** Prerequisites: ART 2003, ART 2033, and ART 3323. The design of labels and other graphics included in the packaging of a commercial product will be considered and explored. Also, the design of the three-dimensional package itself that houses certain products will be produced. Lecture and studio six hours.

Animal Science (AS)

AS 1001. **Animal Science Lab.** To accompany AS 1004. Laboratory two hours.

AS 1004. **Introductory Animal Science.** The importance of animal and poultry production and management of livestock, poultry, and their products. Lecture four hours.

AS 1021. **Livestock Fitting and Showing.** Feeding, training, trimming of feet, grooming, and showing of beef cattle, sheep, hogs, and dairy cattle. Lecture one hour.

AS 1031. **Livestock Fitting and Showing Lab.** To accompany AS 1021. Laboratory two hours.

AS 2021. **Dairy Cattle Judging Lab.** To accompany AS 2031. Laboratory two hours.


AS 2061. **Livestock Judging Lab.** To accompany AS 2051. Laboratory two hours.

AS 3001. **Animal Physiology Lab.** To accompany AS 3002. Laboratory two hours.

AS 3002. **Animal Physiology.** Prerequisites: CHEM 1011/1013, CHEM 1111/1113, or CHEM 1021/1023, and sophomore standing. A study of the physiology of the various systems and organs of the mammalian organism. Lecture two hours.

AS 3011. **Poultry Production Lab.** To accompany AS 3012. Laboratory two hours.

AS 3012. **Poultry Production.** Fundamentals of broiler and commercial egg production in Arkansas with emphasis on nutrition, physiology, and management. Lecture two hours.

AS 3021. **Feeds and Feeding Lab.** To accompany AS 3022. Laboratory two hours.


AS 3083. Genetics and Animal Breeding. Prerequisite: AS 1001/1004. Course will entail working with animal breeding systems in relation to their applications to economic utility. A study of the principles in inheritance and their application to population genetics and animal breeding systems. Lecture three hours.

AS 3091. Physiology of Reproduction Lab. To accompany AS 3092. Laboratory two hours.

AS 3092. Physiology of Reproduction. Comparative physiology of reproduction and endocrinology of farm animals, the principles of artificial insemination, and factors affecting conception in natural and artificial breeding. Lecture two hours.

AS 3101. Equine Science Laboratory. Lab for AS 3102. Laboratory two hours.

AS 3102. Equine Science. A compilation of all scientific processes and economic principals necessary to have a successful equine program. The course is designed to provide the student with knowledge and working skills of identifying, breeding, housing, feeding, working, disease control, and marketing of equine. Lecture two hours.

AS 4001. Beef Production Lab. To accompany AS 4002. Laboratory two hours.

AS 4002. Beef Production. Prerequisites: AS 1001/1004 and AS 3021/3022. A study of beef production with emphasis on breeding, feeding, and management of commercial and purebred beef cattle. Lecture two hours.

AS 4011. Swine Production Lab. To accompany AS 4012. Laboratory two hours.


American Sign Language (ASL)

ASL 1002. American Sign Language I. Designed to develop the student’s expressive and receptive skills in American Sign Language to the point that the student will be able to carry on a simple conversation in American Sign Language.

ASL 1012. American Sign Language II. Designed to develop expressive and receptive signing skills and to develop ability in American Sign Language.
Athletic Training (AT)

AT 1001. Gateway to Athletic Training. An introduction to Athletic Training; the course provides information on the knowledge, content and skills in the Athletic Training profession and the required didactic and psychomotor competencies of Athletic Training as described by the National Athletic Trainers Association. The course will introduce the students to the Athletic Training Education Program (ATEP) at SAU and will identify learning and experience opportunities. This course is required in order to be eligible to apply to the ATEP and will include the accumulation of a minimum 120 observation hours.

AT 1011. Aquatic Therapeutic Exercise. Prerequisites: Consent of Instructor. A study of aquatic therapeutic techniques used in the conditioning, reconditioning and rehabilitation of athletic related injuries to the physically active.

AT 1012. Taping and Bandaging in Athletic Training. Prerequisites: AT 1001 and consent of instructor. To be taken in conjunction with HS 2443. The study and application of the use of taping and bandaging techniques used in the prevention and care of athletic related injuries.

AT 1021. Strength and Conditioning. Prerequisites: Consent of Instructor. A study of physical conditioning principles; including weight training, circuit training and cardiovascular training techniques used in rehabilitation, reconditioning and conditioning of active persons and activity related injuries. Including safety procedures and principles used in various seasons of activity.

AT 2003. Evaluation of Upper Extremity. Prerequisites: HS 2043, HS 2443 and acceptance into ATEP. Should be taken in conjunction with clinical experience # 2 or consent of instructor. The study and application of the advanced principles and techniques of evaluating athletic injuries to the upper extremity and adjacent structures.

AT 2013. Evaluation of Lower Extremity. Prerequisites: HS 2043, HS 2443, AT 2003. Should be taken in conjunction with Clinical Experience #3 or consent of instructor. The study and application of the advanced principles and techniques of evaluating athletic injuries to the lower extremity.

AT 2031. Clinical Experience 1. Prerequisites: Admission into ATEP, HS 2443, HS, 3402 & AT 1011. For athletic training students only. A study of psychomotor skills required to perform athletic training techniques in clinical settings. Techniques reflect those presented in lecture courses and the National Athletic Trainers Association related competencies. Supervised practical experience and skill testing will take place. Requires a minimum of 100 clinical experience hours and a minimum of 100 field experience hours.

AT 2041. Clinical Experience 2. Prerequisites: AT 2031. For athletic training students only. A study of psychomotor skills required to perform athletic training techniques in clinical settings. Techniques reflect those presented in lecture courses and the National Athletic Trainers Association related competencies. Supervised practical experience and skill testing will take place. Requires a minimum of 100 clinical experience hours and a minimum of 100 field experience hours.
AT 3003.  Therapeutic Modalities. Prerequisites: HS 2043, HS 2443 and acceptance into ATEP. Should be taken in conjunction with Clinical Experience # 3 or consent of instructor. The study of the current theory and application in the use of therapeutic modalities in Athletic Training. Emphasis will be placed on thermal, hydrotherapeutic and electrotherapeutic modalities. This course also provides laboratory learning.

AT 3012. Pathology of Athletic Injuries. Prerequisites: HS 2043, HS 4243 and acceptance into ATEP. Should be taken in conjunction with clinical experience # 5 or consent of instructor. The study of the physiological responses of human growth and development and the progression of injuries, illnesses and disease. Additional focus on the anatomical and physiological aspects of musculoskeletal injuries, changes in tissues, and the healing process.

AT 3013. Therapeutic Exercise. Prerequisites: HS 2043, HS 2443, AT 3003. Should be taken in conjunction with Clinical Experience #4 or consent of instructor. A study of sports therapy and athletic training techniques used in the rehabilitation and reconditioning of injuries related to the physically active. Development of goals and objectives in rehabilitation and methods of exercise progression and evaluation. Including the use of goniometry, muscle testing and therapeutic exercise techniques.

AT 3031. Clinical Experience 3. Prerequisites: AT 2041. For athletic training students only. A study of psychomotor skills required to perform athletic training techniques in clinical settings. Techniques reflect those presented in lecture courses and the National Athletic Trainers Association related competencies. Supervised practical experience and skill testing will take place. Requires a minimum of 100 clinical experience hours and a minimum of 150 field experience hours.

AT 3041. Clinical Experience 4. Prerequisites: AT 3031. For athletic training students only. A study of psychomotor skills required to perform athletic training techniques in clinical settings. Techniques reflect those presented in lecture courses and the National Athletic Trainers Association related competencies. Supervised practical experience and skill testing will take place. Requires a minimum of 100 clinical experience hours and a minimum of 150 field experience hours.

AT 4003. Professional Healthcare Issues. Prerequisites: Senior standing, HS 4433. Should be taken in conjunction with clinical experience # 6 or consent of instructor. A study of intervention and referral concepts and medical ethics and legal issues in sports medicine. Focus on the role of the Athletic Trainer in healthcare. Topics to include current health care trends and alternatives.

AT 4013. Organization and Administration in Athletic Training. Prerequisites: HS 4433. Should be taken in conjunction with clinical experience # 6 or consent of instructor. A study of administrative and management techniques used in athletic training. Topic areas to include facility design, human resource management, program leadership, budgets, record keeping, insurance, supplies, legal issues and professional career development.
AT 4031. Clinical Experience 5. Prerequisites: AT 3041. For athletic training students only. A study of psychomotor skills required to perform athletic training techniques in clinical settings. Techniques reflect those presented in lecture courses and the National Athletic Trainers Association related competencies. Supervised practical experience and skill testing will take place. Externships opportunities with local allied healthcare providers will be required. Requires a minimum of 100 clinical experience hours and a minimum of 150 field experience hours.

AT 4041. Clinical Experience 6. Prerequisites: AT 4031. For athletic training students only. A study of psychomotor skills required to perform athletic training techniques in clinical settings. Techniques reflect those presented in lecture courses and the National Athletic Trainers Association related competencies. Supervised practical experience and skill testing will take place. Externships opportunities with local allied healthcare providers will be required. Requires a minimum of 100 clinical experience hours and a minimum of 150 field experience hours.

Biology (BIOL)

BIOL 1001. Medical Terminology for Allied Health. This course is designed to introduce necessary terminology needed for an allied health profession. Pronunciation, root words, abbreviations, and body systems terminology are emphasized.

BIOL 1011. Invertebrate Zoology Lab. To accompany BIOL 1013. Laboratory three hours.

BIOL 1013. Invertebrate Zoology. A study of the phylogenetic relationships, morphology, and physiological processes of the classes of invertebrates. Lecture three hours. Fall semester.

BIOL 1021. Vertebrate Zoology Lab. To accompany BIOL 1023. Laboratory two hours.


BIOL 1031. General Botany Lab. To accompany BIOL 1033. Laboratory two hours.

BIOL 1033. General Botany. An introduction to the fundamental principles of plant structure and function. Lecture three hours. Fall, spring, and summer semesters.

BIOL 2003. Nutrition and Diet. Prerequisites: One semester of biology or one semester of human anatomy and physiology. The fundamental principles of human nutrition and diets; emphasizes normal nutrition as a basis for making diet adaptations in disease. Lecture three hours. Fall and spring.

BIOL 2012. Comparative Anatomy Lab. To accompany BIOL 2022. Laboratory four hours.


BIOL 2042. Entomology Lab. To accompany BIOL 2032. Laboratory and field trips three hours. Same as ENTO 2042.

BIOL 2061. Anatomy and Physiology I Lab. To accompany BIOL 2063. Laboratory two hours.

BIOL 2063. Anatomy and Physiology I. The first in a two-course series dealing with human anatomy and physiology. This course is recommended for nurses, medical technicians, allied health majors, and other interested persons. Not counted for major, minor, or supporting field credit in biology. Lecture three hours. Fall semester.

BIOL 2071. Anatomy and Physiology II Lab. To accompany BIOL 2073. Laboratory two hours.

BIOL 2073. Anatomy and Physiology II. Prerequisite: BIOL 2061/2063 or consent of instructor. A continuation of BIOL 2063. Not counted for major, minor, or supporting field credit in biological science. Spring semester. Lecture three hours.

BIOL 3022. General Microbiology Lab. To accompany BIOL 3032. Laboratory four hours.

BIOL 3031. Genetics Experimental Laboratory. Prerequisite or corequisite: BIOL 3033. A laboratory course to accompany BIOL 3033 which introduces the methodology and techniques of experimental genetics. Fall semester. Laboratory two hours.

BIOL 3032. General Microbiology. An introduction to the classification, life history, morphology, metabolism and general characteristics of microorganisms. Lecture two hours. Fall, spring, and summer semesters.

BIOL 3033. Genetics. Prerequisite: 8 hours of biology or consent of instructor. A study of the classical principles of heredity and modern genetic theory. Lecture three hours. Fall semester.

BIOL 3043. Cell Biology. Prerequisites: Two semesters of biology and two semesters of chemistry. Cell anatomy and physiology. Particular emphasis will be given to the study of the structure and function of membranes, mitochondria and chloroplasts, and other cellular organelles. Lecture three hours. Spring semester.

BIOL 3051. Vertebrate Natural History Lab. To accompany BIOL 3053. Laboratory and field trips two hours.
BIOL 3053. Vertebrate Natural History. Prerequisite: BIOL 1021/1023. Emphasis on collection, identification, and natural history of vertebrates of Arkansas. Lecture three hours. Fall semester in alternate years.

BIOL 3061. Plant Morphology Lab. To accompany BIOL 3063. Laboratory three hours.


BIOL 3081. Plant Physiology Lab. To accompany BIOL 3083. Laboratory two hours. Same as HORT 3081.

BIOL 3083. Plant Physiology. Prerequisites: BIOL 1031/1033 and one year of chemistry. A study of the basic physiological processes of plant growth and metabolism. Lecture three hours. Same as HORT 3083.

BIOL 3091. Environmental Science Lab. To be taken with or after the completion of BIOL 3093 or GEOL 2003. Restricted to B.S.E. candidates; others on approval. Laboratory two hours.

BIOL 3093. Environmental Biology. Prerequisite: Four hours of biology or consent of instructor. A study of the relationships between organisms and their environment, with emphasis on ecological crises such as environmental pollution and overpopulation. Lecture three hours. Fall semester.

BIOL 3112. Embryology Lab. To accompany BIOL 3122. Laboratory four hours.

BIOL 3122. Embryology. Prerequisite: BIOL 1023/1021. Descriptive embryology of the vertebrates including the frog, chick, and pig. Lecture two hours. Fall and spring semesters.

BIOL 3201. Biology Laboratory Techniques.* Prerequisite: Junior or senior standing. Experiences in planning and assisting in laboratory courses.

*Restricted enrollment, B.S.E. candidates only.

BIOL 3301. Systemic Botany Lab. To accompany BIOL 3303. Laboratory and field trips four hours.


BIOL 3373. Introduction to Neuroscience. Prerequisites: BIOL 2061/2063 or BIOL 1021/1023; and CHEM 1011/1013 or CHEM 1021/1023. Examination of the structure and function of the nervous system, including organizational features, sensory transduction, and the control of emotions and behavior. Lecture three hours. Offered on demand.
BIOL 3401. Medical Terminology. Prerequisite: One course in biology, BSCI 1013, or consent of instructor. A concentrated study of basic medical terminology. Lecture one hour.

BIOL 3701. Vertebrate Physiology Lab. To accompany BIOL 3703. Laboratory three hours.

BIOL 3703. Vertebrate Physiology. Prerequisites: MATH 1023, one year of college-level chemistry with laboratory, and 12 hours of biology including a course in vertebrate zoology. This course is designed for upper-level zoology students. Lecture three hours.

BIOL 4011. Ecology Lab. To accompany BIOL 4013. Laboratory two hours.

BIOL 4013. Ecology. Prerequisites: Eight hours of biology, four hours of chemistry, and three hours of algebra; or consent of the instructor. A study of the structure and function of aquatic and terrestrial ecosystems. Lecture three hours. Spring semester.

BIOL 4020. Immunology and Serology Lab. To accompany BIOL 4022. Laboratory three hours.

BIOL 4022. Immunology and Serology. Theoretical aspects of the immune response system and its relation to the diagnosis of disease are discussed. Lecture and laboratory stress the detection, identification, and characterization of antibodies. Not counted for major, minor or supporting field credit in biology. Lecture one hour. Offered on demand.

BIOL 4101. Biology Colloquium. Prerequisite: Biology major. Discussion, preparation, and presentation of papers on current topics in biological science. Presentations one hour. Fall and spring semesters.

BIOL 4141. Field Biology Lab. To accompany BIOL 4143. Laboratory two hours.

BIOL 4143. Field Biology. Prerequisite: Eight hours of biology. Emphasis is directed toward field collection and identification of the high floral and faunal groups of Arkansas with particular emphasis on local species. Laboratory analysis and preparation of collections will follow field work. Lecture three hours.

BIOL 4151. General Taxonomy Lab. To accompany BIOL 4153. Laboratory two hours.

BIOL 4153. General Taxonomy. Prerequisites: Six hours of biology and approval of the instructor. An introduction to the procedures, principles, and rules of current taxonomic practice utilizing Arkansas plants and animals. This course provides the necessary background to allow students to identify most major groups of organisms inhabiting Arkansas. Lecture three hours.

BIOL 4202. Histology. Prerequisite: BIOL 1021/1023. Lecture and laboratory dealing with primary tissues of vertebrate animals. Lecture/lab two hours. On demand.
BIOL 4402. Integrated Sciences: Methods and Materials for Secondary School Teachers. Integrates content, concepts and activities, and materials and methods of teaching the life and physical sciences in the secondary school. National science standards, safety, teaching strategies, learning styles, and science curricula for secondary school science will be emphasized. Must be taken concurrently with PHYS 4402.

BIOL 4692-4. Advanced Topics. Prerequisites: Twelve hours of biology and consent of department chairperson. A course devoted to special topics in biology not treated in other biology courses. May be repeated but not more than four hours may count toward the 38 hours for a major in biology. Open only to qualified seniors in the final year of their undergraduate program.

BIOL 4891, 4991. Independent Research in Biology. Prerequisites: Biology major, 15 hours of biology with a grade point average of 3.00 or higher in biology courses and consent of the instructor. Undergraduate research designed and conducted by the student with faculty supervision. A summary of results written in proper form and an oral presentation of results at a departmental seminar are required. Project plan must be approved by the supervising instructor. Open only to students in final year of undergraduate program. A maximum of one hour credit will be granted in any semester and only two hours may be applied toward graduation. Each semester.

Broadcast Journalism (BJ)

BJ 2003. Radio Production. History and theory of the medium, in addition to hands-on experience. Assignments include operating a control board, hosting music formats, newscasts, interviews, commercials, and public service announcements. Also analyze FCC rules and regulations.

BJ 2033. Broadcast Performance. Training techniques designed to enhance on-air performance. Optimum pitch, rate, voice, and diction exercises, followed by assigning of tasks performed by professionals in the broadcast industry (both radio and television).

BJ 2103. Television Production. Extensive practice in studio operation, including cameras, lighting, graphics, and control room techniques. Students produce, direct, videotape, and critique newscasts, interviews, and special events.

BJ 2113. Broadcast Practicum. Designed to give students extensive hands-on broadcast experience. Students are placed in cooperating stations where they are evaluated by professional staff or work at SAU on campus broadcast projects. For broadcast journalism majors only and with instructor approval.

BJ 3013. Electronic News Gathering. Prerequisites: BJ 2103 and PJ 2003. Operate camcorders and VHS format videotape editing system. Mechanics and aesthetics of each are stressed. Assignments include news stories, commercials, and public service announcements. Timing and scripting are also discussed.

BJ 3103. Broadcast News Writing. Writing assignments include leads, hard news, features, spot news, investigative reports, and editorials. Also stressed are news sources, accuracy, ethics, and broadcast law.

BJ 4003. Advanced Electronic News Gathering. Prerequisite: BJ 3103. Consists of shooting, writing, editing, and producing television news reports. Storyboarding, voiceovers, scripting, and writing copy to complement visuals. Operate camcorders and Super-VHS format videotape editing systems.

BJ 4103. Broadcast Sales and Management. Role of station management. Regulations, sales tools, rate cards, audience rating, demographics, and personnel management.

BJ 4903. Senior Research Project. Prerequisite: Senior standing and 30 hours of broadcast journalism emphasis requirements or permission of instructor. A major research paper in the student’s area of expertise which adds a significant knowledge to the discipline. Must also defend the paper orally.

BJ 4913. Broadcast Internship. Prerequisite: Completion of twelve upper-class hours in broadcasting, senior standing, and a minimum GPA of 2.5. Structured professional experience in a commercial broadcasting operation under professional supervision.

Biological Science (BSCI)

BSCI 1011. The Biological Sciences Lab. To accompany BSCI 1013. Laboratory two hours.

BSCI 1013. The Biological Sciences. Each semester. A lecture course in the principles of biology designed for general education. Not counted for major, minor, or supporting field credit in biology. Lecture three hours.


BSCI 3003. Science for the Elementary Teacher. Prerequisites: E ED 3002/3003 and two courses in science. Designed to give the elementary teacher an awareness of the inter-relationship of the various sciences and the essential basic knowledge of new science innovations taught in the elementary school. Selection and organization of learning activities and materials for the teaching of science will also be emphasized. Lecture two hours; Laboratory two hours. Same as PHSC 3003.

Chemistry (CHEM)

(Please note that courses in this section are not listed sequentially by numbers.)

CHEM 1011. General Chemistry I Lab. Must be taken concurrently with CHEM 1013. One two-hour period per week.

CHEM 1013. General Chemistry I. Prerequisite: Two years high school algebra or MATH 0703. Designed for those students who need only 4-8 hours of chemistry. Credit for both CHEM 1013 and 1023 will not be granted. Three lectures and one two-hour laboratory period per week (see CHEM 1011).
CHEM 1111. **General Chemistry II Lab.** Must be taken concurrently with CHEM 1113. One two-hour period per week.

CHEM 1113. **General Chemistry II.** Prerequisite: CHEM 1011 and CHEM 1013. A continuation of CHEM 1013. (Does not serve as prerequisite for any other chemistry course.) Three lectures and one two-hour laboratory period per week (see CHEM 1111).

CHEM 1021. **University Chemistry I Lab.** Must be taken concurrently with CHEM 1023. One three-hour period per week.

CHEM 1023. **University Chemistry I.** Prerequisite or corequisite: MATH 1023. Basic theoretical and quantitative principles of inorganic chemistry associated with the concepts of the mole, solutions, concentration, heat, atomic and molecular structure, periodicity, bonding, physical states, and stoichiometry. Credit for both CHEM 1011/1013 and 1021/1023 will not be granted. Three lectures and one three-hour laboratory period per week (see CHEM 1021).

CHEM 1121. **University Chemistry II Lab.** Must be taken concurrently with CHEM 1123. One three-hour period per week.

CHEM 1123. **University Chemistry II.** Prerequisite: CHEM 1021/1023. A continuation of CHEM 1023 emphasizing basic kinetics, thermodynamics, acid/base theory, and descriptive chemistry of inorganic compounds. Three lectures and one three-hour laboratory period per week (see CHEM 1121).

CHEM 2001. **Analytical Chemistry Lab.** Must be taken concurrently with CHEM 2013. One three-hour period per week.

CHEM 2013. **Analytical Chemistry.** Prerequisite: CHEM 1121/1123. Fundamental theories and techniques in classical chemical analysis. Three lectures and one three-hour laboratory period per week (see CHEM 2001.)

CHEM 3001. **Organic Chemistry I Lab.** Must be taken concurrently with CHEM 3003. One three-hour period per week.

CHEM 3002. **Chemical Literature.** Prerequisites: CHEM 1121/1123 or equivalent. A course designed for chemistry majors and premedical students in learning to use the scientific reference literature. Two lectures per week.

CHEM 3003. **Organic Chemistry I.** Prerequisite: CHEM 1121/1123. Classification, nomenclature, properties, structure, spectroscopy, reactions of synthesis of compounds of carbon. Should be taken by Chemistry majors in their sophomore year. Three lectures and one three-hour laboratory period per week. (see CHEM 3001).

CHEM 3013. **Fundamentals of Physical Chemistry.** Prerequisites: CHEM 1121/1123 and MATH 1023. Fundamental concepts of physical chemistry intended primarily for prehealth professionals. A study of the fundamental principles of thermodynamics, equilibria, electrochemistry, solution phenomena, physical state theories and kinetics. 3 hours of lecture per week.

CHEM 3021. **Physical Chemistry I Lab.** Must be taken concurrently with CHEM 3023. One three-hour period per week. Same as PHYS 3021. Alternate years.
CHEM 3023. Physical Chemistry I. Prerequisites: CHEM 1121/1123, MATH 1525, and either CSCI 1101/1102 or a high school computer course in BASIC programming language. Corequisite: MATH 1545. A detailed study of the fundamental principles of thermodynamics applied to equilibria, physical state-phase diagrams, electromotive force, and solution phenomena. Three lectures and one three-hour laboratory period per week (must be taken concurrently with CHEM 3021). Same as PHYS 3023. Alternate years.

CHEM 3101. Organic Chemistry II Lab. Must be taken concurrently with CHEM 3103. One three-hour period per week.

CHEM 3103. Organic Chemistry II. Prerequisite: CHEM 3001/3003. A continuation of CHEM 3003. Should be taken by chemistry majors in their sophomore year. Three lectures and one three-hour laboratory period per week (see CHEM 3101).

CHEM 3111. Instrumental Analysis Lab. Must be taken concurrently with CHEM 3113. Operational understanding of modern instrumental techniques of analysis.

CHEM 3113. Instrumental Analysis. Prerequisite: CHEM 2001/2013. Fundamental theories and techniques of instrumental methods commonly used in analytical and quality control laboratories. Three lectures and one laboratory each week.

CHEM 3131. Physical Chemistry II Lab. Must be taken concurrently with CHEM 3133. One three-hour period per week. Alternate years.

CHEM 3133. Physical Chemistry II. Prerequisites: CHEM 3021/3023 and MATH 1545. A detailed study of physical state theories, reaction kinetics, atomic and molecular structure, and spectroscopy. Three lectures and one three-hour laboratory period per week (see CHEM 3131). Alternate years.

CHEM 4001. Biochemistry I Lab. Must be taken concurrently with CHEM 4003. One three-hour period per week.

CHEM 4003. Biochemistry I. Prerequisite: CHEM 3001/3003. The basic concepts of the chemistry of carbohydrates, lipids, proteins, nucleic acids, vitamins, and hormones. Three lectures and one three-hour laboratory period per week (see CHEM 4001).


CHEM 4033. Advanced Inorganic Chemistry. Prerequisite: CHEM 1121/1123 or consent of instructor. A detailed study of theoretical and descriptive inorganic chemistry. Three lectures per week. Alternate years.

CHEM 4041. Advanced Analytical Chemistry Lab. Laboratory methods associated with Advanced Analytical Chemistry. Must be taken concurrently with CHEM 4043. One three-hour laboratory per week. Alternate years.

CHEM 4701-3. Undergraduate Research. Prerequisite: Consent of department chair and instructor. Undergraduate research in an approved program. Semester hour of credit assigned after consultation with faculty and supporting institution. Post-research oral and/or written presentation (required) is the basis of grading. Can be taken a maximum of two times; maximum of six hours total.

CHEM 4791-3. Advanced Topics in Chemistry I. Prerequisites: CHEM 1021/1023 and CHEM 1121/1123 or consent of the department chair. A course devoted to special topics in chemistry not treated in other courses. Maximum credit: four hours toward graduation from the advanced topics series.

CHEM 4891-3. Advanced Topics in Chemistry II. Prerequisites: CHEM 1021/1023, CHEM 1121/1123, or consent of the department chair. A course devoted to special topics in chemistry not treated in other courses. Maximum credit: four hours toward graduation from the advanced topics series.

CHEM 4991-3. Advanced Topics in Chemistry III. Prerequisites: CHEM 1021/1023, CHEM 1121/1123, or consent of the department chair. A series of courses devoted to special topics in chemistry not treated in other courses. Maximum credit: four hours toward graduation from the advanced topic series.

Computer Information Systems (CIS)

CIS 1033. Introduction to Computers. An introduction to basic concepts and vocabulary related to computer systems with the objective of increasing the student's awareness and knowledge of computers, software packages, fundamentals of programming, and computer applications in word processing and spreadsheets. This course is recommended as an elective for students needing a course in computer literacy. Each semester.

CIS 2003. COBOL Programming I. Prerequisite: CIS 2113. Introduction to computer program design and development using the COBOL language. Spring semester.


CIS 2073. Desktop Publishing. Prerequisite: CIS 2053. The design, creation, and revision of business documents using desktop publishing software. Terminology, layout techniques, and graphics preparation will be emphasized. Each semester.

CIS 2113. Programming Languages and Logic. Computer programming fundamentals taught with Visual BASIC. Fall semester and summer.

CIS 2203. Introduction to Networking I. This course will focus on network topologies, basic network design, beginning router configurations, and introduction to LAN switching. (CISCO) Each semester.
CIS 2213. Introduction to Networking II. Prerequisite: CIS 2203. This course will focus on advanced router configurations, advanced network design, and advanced network management projects. (CISCO) Each semester.

CIS 3103. Advanced Networking I. Prerequisite: CIS 2213. Concepts of scalable networks, advanced routing procedures using routers connected to both LANs and WANs, security access, remote access, and the construction of scalable routed networks. (CISCO) Fall semester of alternate years.

CIS 3133. COBOL Programming II. Prerequisite: CIS 2003. Concepts of advanced COBOL programming, including computer utilization, control break reporting, data validation, sorting, searching, file structures, and business applications. Fall semester.

CIS 3203. Advanced Networking II. Prerequisite: CIS 3103. Build multiplayer switched networks using routing procedures and implement internetworking security and troubleshooting. (CISCO) Spring semester of alternate years.

CIS 3403. Database Management Systems. Prerequisite: CIS 3133 or CSCI 3063. Knowledge and skills in relational database design and development. Work will focus on design concepts, data definition and data manipulation, DBMS functions, and application development. Additional topics include database administration and distributed database architectures. Spring semester.

CIS 3983. Business Internship in Computer Information Systems. Prerequisites: Junior standing and approval of the Internship Committee. A structured field experience relevant to computer information systems. Each internship is designed to provide a representative and meaningful learning experience for the participating student. Honors course. Each semester.

CIS 4001-3. Special Topics in CIS. A course directed toward innovative technological changes and software development in business and industry. Specific topics selected by instructor. Offered on demand.

CIS 4103. Managing Information and Technology. Prerequisite: senior standing. A study of the impact of information systems and technology on organizational management. This course will address current issues in information technology and the impact of technology on decision making. Each semester.

CIS 4213. Systems Analysis and Design. Prerequisite: CIS 3403 or ACCT 3063. Theory and skills in analysis and design of business information systems. Emphasizes the systems development life cycle, requirements analysis, tools and techniques for documenting information systems, and the design and implementation aspects of transaction processing in business. Includes CASE tools and object oriented analysis and design. Fall semester.

CIS 4303. Management Information Systems. Prerequisites: Senior standing. A study of the systems for organizing and controlling information flows within business organizations for effective decision making. Spring semester.
Criminal Justice (CRJU)

**CRJU 2003. Introduction to Criminal Justice.** An examination of the organization, functions, and jurisdiction of law enforcement, judicial, and corrections systems in the United States; their history and philosophy; and career opportunities and requirements.

**CRJU 3003. Cultural Diversity.** An examination of the nature of minority group relations, including sexual orientation, age, gender, religious, ethnic, and racial based experiences. Issues such as discrimination and dominant-minority group interaction are considered from a historical as well as contemporary perspective. Same as SOC 3003 and SWK 3003.

**CRJU 3013. Police Administration.** Prerequisite: CRJU 2003. The application of principles of administration and management to the field of law enforcement.

**CRJU 3023. Criminal Evidence and Procedures.** Prerequisite: CRJU 2003. A study of the legal and scientific principles involved in the acquisition, preservation, analysis, and presentation of physical evidence.


**CRJU 3043. Criminal Law.** Prerequisite: CRJU 2003. An examination of the administration of criminal law in the investigation, prosecution, adjudication, and sentencing of criminals.

**CRJU 3053. Juvenile Justice.** Prerequisite: CRJU 2003. An examination of the juvenile justice system and the provisions of Arkansas and federal law pertaining to juveniles.

**CRJU 3063. Substance Abuse.** A study of frequently abused substances. Examination of the physical, psychological, and social causes of substance abuse. Common abuse patterns and investigative techniques used in the enforcement of drug laws will be examined.


**CRJU 3083. Community Based Corrections.** Designed to educate and to prepare students for possible employment in probation and parole. There is an emphasis placed on the duties of probation and parole officers.

**CRJU 3183. Statistics.** Descriptive and elementary analytical statistics, their concepts, and their application. Same as PSYC 3183, SOC 3183, and SWK 3183.

**CRJU 4043. Gang Behavior.** Provides students with a general overview of gangs in the United States.

**CRJU 4053. Criminology.** Prerequisite: SOC 2003. A study of the nature, causes, and extent of crime, the prevention and treatment of crime, and the processes of criminal justice. Same as SOC 4053.
CRJU 4063. Field Practicum. Designed to give students first-hand exposure to the criminal justice system. Students will gain a greater understanding of the criminal justice system and of the values and ethics required of professionals in the field.

CRJU 4073. American Constitutional Law. A survey, using the case method, of principles, practices, and basic features of American constitutional law with emphasis on judicial review and the role of the Supreme Court, federalism, national powers, and individual rights. Same as PSCI 4073.

CRJU 4083. Domestic Violence. Prerequisite: CRJU 2003. An examination of the causes, effects, and legal aspects of domestic violence. Intervention techniques and prevention programs will also be studied.

CRJU 4093. Advanced Topics in Criminal Justice. Prerequisite: CRJU 2003 or consent of the instructor. The study of advanced topics in criminal justice as chosen by the faculty.

Computer Science (CSCI)

CSCI 1052. Computer Concepts and Applications for Allied Health. This course is designed to introduce the allied health student to computer concepts and applications used in the medical field and focuses on uses of technology in patient diagnosis and treatment, the use of technology for communication, the current status of medical technology, and future trends.

CSCI 1062. Medical Records. Introduction to the types of tasks that are completed in a medical office: record management, correspondence, appointments, business checking, purchase orders, patient billing, and insurance claims. Emphasis will be placed on “hands-on” computer applications in health care.

CSCI 1101. Introduction to Computing Laboratory. Applications course to accompany CSCI 1102. Provides the student with knowledge and experience in the use of software packages and the BASIC programming language.

CSCI 1102. Introduction to Computing. An introduction to the basic concepts and vocabulary related to computer systems, with the objective of increasing the student's awareness and knowledge of computers, software packages, and BASIC programming. Must be taken concurrently with CSCI 1101.

CSCI 2103. Computer Science I. Prerequisites: CIS 1031/1032 or CSCI 1101/1102 or equivalent and MATH 1023. The fundamental concepts of programming and program structure are presented.

CSCI 2113. Computer Science II. Prerequisite: CSCI 2103. A continuation of CSCI 2103. Introduction to basic concepts of data structures and algorithm design.

CSCI 3063. High Level Language. Prerequisite: CSCI 2103 recommended or permission of the instructor. An introduction to a high level programming language such as JAVA, Fortran, Lisp, Ada, Pascal, C/C++, Prolog and others. Top-down design and structured programming will be emphasized.
CSCI 3103. **Data Structures and Algorithms.** Prerequisite: CSCI 2113. A study of the structures used to organize data and the algorithms for manipulating these structures.

CSCI 3203. **Assembler and Machine Organization.** Prerequisite: CSCI 2103. An introduction to low-level concepts of data representation and processing, including basic assembly language programming skills.

CSCI 3303. **Cognitive Science.** Prerequisites: CSCI 3203 and PSYC 2003. An introduction to the conceptual bases of cognitive science, including topics from psychology, linguistics, ethology, and artificial intelligence.

CSCI 3403. **Artificial Intelligence.** Prerequisite: CSCI 2113. Programming techniques in artificial intelligence, including an introduction to the LISP language.

CSCI 3503. **Computational Methods for Industrial Technologists.** Prerequisite: CIS 1031/1032 or CSCI 1101/1102. Introduces the student to a problem-oriented computer language that is used to solve relevant problems that occur in industry.

CSCI 3703 **Computer Architecture.** Prerequisite: CSCI 3203. A general introduction to computer organization and architecture. Topics include digital circuits, finite state machines, processor design, ALU design and algorithms, memory hierarchy and types of machine architecture.

CSCI 3901-3. **Special Topics in Computer Science.** Prerequisite: Permission of instructor. Selected topics not available in other departmental courses including Systems Programming, Neural Networks, Genetic Algorithms, Distributed Systems, etc.

CSCI 4123. **Computer Aided Manufacturing.** A course designed to develop an understanding of free-standing automation and the application of computers to manufacturing equipment and processes.

CSCI 4133. **Operating Systems.** Prerequisite: CSCI 3103. A study of the various issues in the design of modern operating systems, including process management and scheduling, real and virtual memory management, file system, and communication.

CSCI 4143. **Programming Languages and Compilers.** Prerequisites: CSCI 3063 and CSCI 3103. A comparative study of programming languages. Characteristics of languages and their formal description. The theory of languages and the internal design of compilers is introduced.

CSCI 4153. **Software Engineering.** Prerequisite: CSCI 3103. An introduction to software engineering practice. An object oriented language will be used. Project management and project teams will be considered.

CSCI 4163. **Computer Graphics.** Prerequisite: CSCI 3103. An introduction to generating computer graphic displays. Includes both two and three dimensional graphics, graphics packages, and the impact of differing media and their resolutions and aspect ratios. The course is language independent.
CSCI 4173. Computerized Simulations. Prerequisite: CSCI 3103. The process for the digital computer simulation of systems will be covered. Systems from a broad range of application areas will be considered. Response times, graphic displays, open versus closed systems, model types, algorithm design, and data structure design will be explored. The course is language independent.

CSCI 4643. Computer Science Internship. Prerequisite: Departmental approval. A structured field experience designed to provide a representative and worthwhile learning experience for the participating student. Requires advanced planning and prior approval.

Elementary Education (E ED)

E ED 3112. Observation-Participation in Elementary Kinesiology Programs. Corequisite: HKR 3703. Assisting the classroom teacher in the operation of the teaching-learning process.

E ED 3703. Methods and Materials in Kinesiology for Elementary Schools. Prerequisites: Junior standing and satisfactory proficiency in the HKR 1113, 1123, 2113, 2123 sequence for HKR majors or completion of four hours of PHED 1001-1491 for elementary education majors and consent of instructor. Opportunity for prospective teachers of kinesiology to develop teaching competence. Study, observation, discussion of what comprises a well-rounded elementary school kinesiology program. Techniques of directing group activities, developing units of instruction, lesson planning, class organization and management, learning teaching techniques, evaluating pupil progress, acquiring insight into the meaning of behavior, and skill in handling problem situations. Same as HKR 3073.

E ED 4006, 4016. Student Teaching in the Elementary School I, II. Prerequisites: Senior standing and consent of School of Education dean. See also student teaching requirements. Students may be assigned to any one of the elementary grades. Students will enroll in the Student Teaching Block of 15 hours to include EDUC 4003.

Economics (ECON)

ECON 1003. The American Enterprise System. An introductory course providing an overview of the American Free Enterprise System. Introduces the various functional areas of business and the interaction between these areas. Each semester.


ECON 2103. Principles of Microeconomics. Prerequisite: ECON 2003. An introduction to microeconomic analysis which concentrates on consumer choice, firm production and pricing in different market structures, resource demand, the public sector, and externalities. Each semester.

ECON 3093. Managerial Economics. Prerequisites: ECON 2003 and ECON 2103. The course develops those elements of microeconomic theory that deal with the business firm and illustrates the usefulness and application of economic analysis in managerial decisions. Fall semester.
ECON 3983. Business Internship in Economics. Prerequisites: Junior standing and approval of the Internship Committee. A structured field experience relevant to economics. Each internship is designed to provide a representative and meaningful learning experience for the participating student. Honors course. Each semester.

ECON 4001-3. Special Topics in Economics. A study of a particular topic or topics in the discipline of economics as selected by the instructor. Offered on demand.

ECON 4023. Free Enterprise Studies and Projects. Prerequisite: Consent of instructor. A classroom and field experience designed to develop and promote an understanding of the principles of free enterprise and their application in a modern economy. Honors Course. Spring semester.

Education (EDUC)

EDUC 0104. College Reading. Development of reading skills through perception training, vocabulary building, comprehension training, rate building, and active listening skills. Individual diagnosis and prescription emphasized.

EDUC 1001. Educational Technology Laboratory. This course teaches the application of computers in an educational setting, emphasizing distance learning and PowerPoint presentation of lessons. It may be taken at any time either separately or in conjunction with EDUC 1002.

EDUC 1002. Introduction to Computers in Education. This course acquaints students with basic computer usage, including word processing, spreadsheets, and PowerPoint presentations. CIS 1031/1032 or CSCI 1101/1102 may substitute for this course.

EDUC 1503. Advanced College Reading. Prerequisite: EDUC 0104 or ACT reading score of 19 or higher. Development of reading skills through perception training, vocabulary building, comprehension training, rate building, and active listening skills. Individual diagnosis and prescription emphasized.

EDUC 2000. Educational Field Experience, Level I Lab. Required with EDUC 2003. A supervised field experience of approximately 24 clock hours. Students are scheduled to observe as many grade levels (K-12) as possible in as many different subject areas as possible in the public schools to which they are assigned. A journal is developed for the experience which is a significant part of the student's grade for EDUC 2003.

EDUC 2001. Introduction to Human Relations in College Student Personnel. Prerequisite: Service as Resident Assistant or Hall Director or permission of the Associate Dean of Students. Principles involved in understanding and working with individuals and student groups in residence halls, social forces affecting college students, and the relationship of human relations within the total university. Elective credit.
EDUC 2003. Introduction to Education and Field Experience, Level I. A survey course designed to help students evaluate the teaching profession as a career choice. Topics include motives for teaching, the job market, global forces affecting education, history and philosophy of education, ethics, and legal issues, curriculum, social and political forces, governance and finance, teacher effectiveness, and current trends in education. Heavy emphasis is placed on the research base underlying teaching. A grade of C or higher is required of the student in this course for admission to the Professional Education Program. EDUC 2000 must be taken in conjunction with enrollment in EDUC 2003.

EDUC 2013. Facilitation Skills for Educators. This course is designed to facilitate sensitivity to the emotional needs of students. Communication skills are developed for establishing professional relationships with students, parents, and colleagues. Focuses on the role of teacher as facilitator of mental health, group dynamics, conflict resolution, and crisis intervention.

EDUC 3003. Psychology of Motor Learning and Development. Prerequisites: PSYC 2003, PSYC 3013 or PSYC 3123, or consent of department chair. A study of psychological principles and personality traits that influence such variables as emotion, attitude, motivation, and other aspects related to motor learning in individuals. Same as ESCI 3003.

EDUC 4001. Student Teaching Seminar. A seminar course to accompany Inclusive Early Childhood student teaching. The course is designed to provide positive evaluation and analysis of student teaching experiences. (Block IV).

EDUC 4003. Student Teaching Seminar. A seminar course to accompany elementary and secondary student teaching. The course includes the Program for Effective Teaching cycle, classroom management, and other professional topics. Student Teaching Block.

EDUC 4043. Assessment, Evaluation, and Measurement. Prerequisite: SED 3003 or EED 3003. An introduction to tests and measurements as applied to education. Emphasis is placed on constructing tests and the selection of various standardized tests.

EDUC 4273. Classroom and Group Management. Introduction to basic principles of behavior modification and contingency management. Procedures of conditioning, reinforcement, token economy, and self-control as applied to individuals and groups in a variety of settings with emphasis on discussion of research, application, and ethics. Same as SPED 4273.

EDUC 4901-3 to 4991-3. Education Workshops. Current topics in education. Course descriptions to be completed and filed as workshops are developed and offered.

English (ENGL)

Note: Beginning with the first semester of their freshman year, students are required, each semester, to be enrolled in Fundamentals of Writing or a 1000-level English course until they have successfully completed ENGL 1123.

ENGL 0204. Fundamentals of Writing. An intensive study of the fundamentals of written English, attending to grammar, punctuation, spelling, vocabulary, and paragraph and elementary theme development.
ENGL 1113. Composition I. An introduction to college-level writing with extensive practice in the writing process and basic rhetorical types as well as a review of standard editing conventions. This course also includes the building of vocabulary and the development of reading skills.

ENGL 1123. Composition II. Prerequisite: ENGL 1113. Designed to confirm and extend students' ability to write educated English prose, this course seeks to enable the students, through extensive writing practice, to develop their skills in each of several rhetorical and critical types. While emphasizing writing, the course also requires continued vocabulary development and analytical reading in literature of various types. The course also introduces students to the conventions of documentation and manuscript form.

ENGL 1603. Review Composition. A review of English composition stressing standard English grammar and punctuation and extensive practice in basic rhetorical types. Required of all candidates for a baccalaureate degree unless exempted by passing the English portion of the CAAP.

ENGL 2213. Literature I. Prerequisite: ENGL 1123. World masterpieces through the Renaissance.

ENGL 2223. Literature II. Prerequisite: ENGL 2213. World masterpieces from the Renaissance to the modern period.

ENGL 2442. Practicum in Writing Consultation. Prerequisites: sophomore status or above, grade of B or better in both ENGL 1113 and ENGL 1123. This course runs in conjunction with and is a required component of an appointment as a consultant in the Writing Center. Students will learn the theories behind and the practices of writing centers, as well as the pedagogical and interpersonal skills necessary for working with student writers.

ENGL 3003. Advanced Professional Writing. Prerequisite: ENGL 2223. Some experience or course work in typing and/or word processing equipment (CIS 1031/1032 or CSCI 1101/1102) recommended. The course concentrates on writing professional documents such as reports, proposals, and brochures. It emphasizes audience awareness, professional style, and control of standard written English. It includes work in documentation, graphics, and word processing techniques.

ENGL 3043. Comparative English Grammar. Prerequisites: ENGL 2223 and junior standing. The traditional, structural, and transformational systems of grammar. Spring semester only.

ENGL 3103. Advanced Composition. Prerequisites: ENGL 2223 and junior standing. Extensive practice in writing expository prose.

ENGL 3423. European Novel. Prerequisite: ENGL 2223. An intensive study of the European novel as a generic form.

ENGL 3433. Modern American Drama. Prerequisite: ENGL 2223. Extensive readings of twentieth century American plays, covering the topics of nationalism, romanticism, realism, existentialism, and social revolution.

ENGL 3473. American Short Story. Prerequisite: ENGL 2223. An overview of the origin and growth of the short story as a natural development of letters expressing the varieties of human experience in the United States.

ENGL 3483. Modern World Literature. Prerequisite: ENGL 2223. A survey of modern world literature from 1945 to the present, concentrating on non-western literature.


ENGL 3553. Modern British and American Poetry. Prerequisite: ENGL 2223. A study of the chief poets of Britain and America from the Victorian/Civil War periods to contemporary poets: a study of British poets beginning with Hardy and American poets beginning with Dickinson and ending with the poets of World War II.

ENGL 3583. Shakespeare. Prerequisite: ENGL 2223. An intensive study of the plays from the Shakespeare canon.

ENGL 3613. 20th Century Literature: American Perspectives. Prerequisite: ENGL 2223. Twentieth-century American experiences as represented in the works of a wide range of authors. Issues will include cultural assimilation, social tensions, and gender and racial identities in the larger construct of American identity.

ENGL 3623. American Literature I. Prerequisite: ENGL 2223. American poetry and prose from the colonization of America to 1855. Fall semester - even years.

ENGL 3633. American Literature II. Prerequisite: ENGL 2223. American poetry and prose from the seminal publication of Walt Whitman's *Leaves of Grass* to the present, concentrating on the development of the distinctive American character in all of the major genres. Spring semester - odd years.

ENGL 3643. Literary Theory. Prerequisite: ENGL 2223. An introduction to literary theory providing students with an understanding of the basic approaches by which literature is critically discussed.

ENGL 3653. Introduction to English Language Studies. Prerequisite: ENGL 2223. With a primary focus on English, a study of the basic concepts of language, the principles of linguistic investigation, the methods of linguistic analysis, the nature of linguistic change, the history of English, and the acquisition of language.

ENGL 3663. Studies in British Literature (to 1660). Prerequisite: ENGL 2223. Various topics in British literature prior to 1660 not covered in survey courses. May not be repeated for credit.

ENGL 3673. Special Topics in Later British Literature (since 1660). Prerequisite: ENGL 2223. Various topics in British literature since 1660 not covered in British literature survey courses. May not be repeated for credit.
ENGL 4623. British Literature I. Prerequisite: ENGL 2223. An intensive survey of British literature and literary history from the beginnings to the Neoclassical Period. Fall semester - odd years.

ENGL 4633. British Literature II. Prerequisite: ENGL 2223. An intensive survey of British literature and literary history from the Romantic period to the present. Spring semester - even years.

ENGL 4653. Creative Writing Workshop. Practical experience in creating poetry, fiction, and drama and keeping a literary journal. Some collaborative work and cooperative class projects make the course valuable for those who are teaching or who are preparing to teach courses calling for written expression.

Engineering (ENGR)

ENGR 1011. Engineering Methods. Introduction to engineering design and optimization. Relationship of applied technology, job functions, and personnel organization.

ENGR 1022. Engineering Materials and Forming Processes. A study of material properties (electrical, thermal, mechanical, corrosion) as related to product design and forming processes (cutting, casting, molding, grinding, forging, extruding, stamping, laminating).

ENGR 1212. Graphics. Instructions in the use of instruments, lettering, geometric construction, orthographic projections, including auxiliary views, detail drawing, and blueprinting. Both manual and computer-aided drafting are utilized. Laboratory six hours.


ENGR 2003. Industrial Instrumentation. Prerequisite: One semester of college physics or instructor's permission. A study of the operational theory and application of selected instruments which indicate, record, or control variables such as temperature, pressure, humidity, fluid flow, viscosity, force, voltage, or current. Analog and digital control systems are utilized. Lecture two hours.

ENGR 2011. Surveying Lab. To accompany ENGR 2012. Laboratory three hours. Same as AGEN 1011.


ENGR 2023. Fundamentals of Manufacturing Processes. Introduction to the basic processes, equipment, and materials used in industry. Includes plastic, metal removal, casting, metal forming, and materials.

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ENGR 2131. Electrical Circuits II Lab. To be taken concurrently with ENGR 2133. Laboratory three hours.

ENGR 2133. Electrical Circuits II. Prerequisite: MATH 1545. Complex numbers and applications. Steady-state operation of networks containing linear elements excited by sinusoidal sources; the phasor concept and its application to such networks; complex impedance and admittance; network theorems and principles; mutual inductance and resonance phenomena; single-phase and polyphase networks; complex power, harmonic analysis. Lecture three hours.

ENGR 2143. Statics. Prerequisites: PHYS 2101/2103 or 2201/2203 and MATH 1525. Equilibrium and resultants of force systems in a plane and in space, analysis of machines and structures, friction, centroids, and moments of inertia. Analytical methods utilizing vector algebra are emphasized.

ENGR 3103. Digital Electronics. Prerequisite: PHYS 2211/2213. A study of the principles and techniques of modern digital systems. The course covers the basic concepts of mathematical bases, combinational logic networks, flip-flops, counters, registers, interfacing of various digital families, and interfacing of analog systems. Same as PHYS 3103.

ENGR 4701-4, 4711-4. Work Experience Learning I, II. Credit allowed upon evaluation of student's presentation and portfolio as related to the upper-level college learning received as a result of work experience.

ENGR 4901-4. Applied Project. Selected applied projects. Requires the students to apply knowledge learned in various courses to the solution of industrial problems.

ENGR 4911-2, 4921-2. Independent Study in Engineering. Prerequisite: Consent of the department. Experimental, applied, or theoretical investigations in area of current engineering research with faculty guidance. Project plan must be presented to department chair for approval. Maximum credit toward graduation four hours.

ENGR 4931-3, 4941-3, 4951-3. Advanced Topics in Engineering. Courses devoted to special topics in engineering developing from recent trends and/or academic presentation. Maximum credit six hours.

Entomology (ENTO)

ENTO 2032. Entomology. A study of the principal orders of insects with consideration of life cycles, economic importance, and methods of control. Same as BIOL 2032. Lecture two hours.

ENTO 2042. Entomology Lab. To accompany ENTO 2032. Laboratory two hours. Same as BIOL 2042.
Exercise Science (ESCI)

ESCI 3003. Psychology of Motor Learning and Development. Prerequisites: PSYC 2003, PSYC 3013 or PSYC 3123, or consent of department chair. A study of psychological principles and personality traits that influence such variables as emotion, attitude, motivation, and other aspects related to motor learning in individuals. Same as EDUC 3003.

ESCI 3012. Motor Learning and Development (0-4). A study of the continuous change in motor behavior from birth to pre-kindergarten (0-4). Emphasis is on age related changes in motor development and the processes involved in how motor skills are learned. Same as IEC 3012.

ESCI 3022. Motor Learning and Development (5-9). A study of the continuous change in motor behavior from kindergarten to fourth grade (5-9). Emphasis on age related changes in motor development and the processes involved in how motor skills are learned. Same as IEC 3022.

ESCI 4013. Biomechanics. Prerequisite: HS 3233 or consent of department chair. Intended to serve as an introduction to biomechanics and focus on scientific principles involved in understanding and analyzing human motion.


ESCI 4363. Exercise Prescription and Fitness Program. Prerequisite: HS 3233 or consent of department chair. Basic aspects of evaluation and application of exercise prescriptions as related to intensity, frequency, duration, and mode needed to develop positive attributes of health and various forms of fitness.

ESCI 4652, 4663. Recreation Practicum I, II. Prerequisites: senior standing in HKR and consent of department chair. A course devoted to providing opportunities for the student to gain experience in practical recreation programming. Experience in observing behavioral tendencies and directing activities of participants through work in Boys’ and Girls’ Clubs, Boy and Girl Scouts, church related recreation, YMCA, YWCA, nursing homes, city recreation, industrial recreation, etc. Same as REC 4652, 4663.

Finance (FIN)


FIN 3053. Investments. Prerequisite: Consent of the instructor. Principles and theories of security evaluation and analysis for personal investment and professional portfolio formulation. Fall semester.

FIN 3063. Retirement Planning and Employee Benefits. A survey of benefit and retirement plans. Emphases on characteristics of different types of retirement plans and investment vehicles. Fall semester.

FIN 3073. Principles of Real Estate. The basic concepts of real estate ownership, management, and marketing. An inquiry into the legal requirements and instruments involved in real estate management. Same as AGEC 3073. Fall semester.

FIN 3983. Business Internship in Finance. Prerequisites: Junior standing and approval of the Internship Committee. A structured field experience relevant to the field of finance. Each internship is designed to provide a representative and meaningful learning experience for the participating student. Honors course. Each semester.


FIN 4023. Insurance Principles and Planning. Emphasis on basic insurance for individuals, families and small businesses. Specific topics will include the different types of coverage available and characteristics of each in the areas of life, disability, health, long-term care, home and auto and liability insurance. Spring semester.

FIN 4033. Real Estate Appraisal. Prerequisite: Consent of instructor. An investigation of the principles and techniques of real estate appraisal for residential, commercial, agricultural, and industrial properties. Spring semester.

FIN 4053. Estate Planning and Taxation. A study of estate planning techniques and taxation. Specific topics include wills, will substitutes, trusts, forms of property ownership, charitable transfers, and estate and gift taxation. Spring semester.

FIN 4301-3. Special Topics in Finance. A study of a particular topic or topics in the discipline of finance as selected by the instructor. Offered on demand.

Forestry (FOR)

FOR 1001. Elements of Forestry Lab. To accompany FOR 1002. Laboratory two hours.

FOR 1002. Elements of Forestry. Corequisite or prerequisite: BIOL 1031/1033. General survey of the field of forestry. General knowledge and yield, products and utilization, and preservation. Lecture two hours.

French (FREN)

FREN 1003. Reading Comprehension in French. Principles of grammar and sentence structure; basic vocabulary needed to understand written French. Elective credit only. Does not substitute for Elementary French 1.
FREN 1014, 1024. Elementary French I, II. A course in beginning French designed to develop skills in aural comprehension, oral expression, reading, and writing; includes thorough study of grammatical concepts. Introduction to the physical geography of France, its institutions, and culture. Classes meet four times per week. FREN 1024 has the prerequisite FREN 1014 or its equivalent.

FREN 2033, 2043. Intermediate French I, II. Prerequisite for 2033: FREN 1024 or placement exam. Prerequisite for FREN 2043: FREN 2033 or placement exam. Continues developing aural, oral, reading, and writing skills; includes study of geography and culture of francophone countries; readings in modern literature; discussion of current events as reported in French-language newspapers and magazines.

FREN 3163. French Conversation and Composition. Prerequisite: FREN 2043 or permission of the instructor. The use of idiomatic, oral, and written French is the objective of this course. Emphasis on fluency, vocabulary pertaining to everyday situations, conversational exercises, and oral and written compositions.

FREN 3693. French Civilization. Prerequisite: FREN 2043 or its equivalent. A study of the social and historical development of modern French institutions and life with selected readings and lectures as background on earlier centuries including the artistic and literary contributions. Examines contemporary culture in business, politics, and the arts.

FREN 3973. French Phonetics. Prerequisite: FREN 2043 or its equivalent. Analysis of French sound production, drill in conversational speech and intonation, use of literary selections in prose and verse.

FREN 3981-3. French Internship. Prerequisite: FREN 2043 or the equivalent. A structured and supervised field experience in the French language and culture designed to integrate classroom theory and/or academic learning in a job site or a practical setting as well as to develop functional and personal skills and strengthen future professional skills in order to gain a competitive edge in the job market.

FREN 3993. Advanced French Grammar. Prerequisite: FREN 2043 or its equivalent. An intensive course in the origin and development of the French language from the point of present-day usage. Highly recommended for students preparing for the teaching field.

FREN 4283, 4293. Survey of French Literature I, II. Prerequisite: FREN 2043 or its equivalent. A study of French literature from its origins to the present time, including readings from representative authors of each period; oral and written reports; lectures and discussion.

General Business (GBUS)

GBUS 1013. Beginning Keyboarding. The touch system of keyboarding with emphasis on proper technique and a thorough mastery of the keyboard. Not open for credit to students who have previous credit in typewriting/keyboarding. Offered on demand. Fall semester.
GBUS 1053. Advanced Keyboarding. Prerequisite: GBUS 1013 or previous training in keyboarding. Advanced exercises in preparation of manuscripts, accounting papers, and legal and government documents with emphasis on mailable copy. Offered on demand. Fall semester.

GBUS 2013. Quantitative Analysis I. Prerequisite: MATH 1023. An introduction to applied statistics to include measures of central tendency, measures of dispersion, basic probability, probability distributions, and interval estimation. Each semester.

GBUS 3003. Legal Environment of Business. An introduction to the structure of the American legal system to familiarize the student with the most influential factors that constitute the legal environment of business. Emphasis is placed on the judicial function, the court system, business ethics, contracts, sales, torts, securities regulation, antitrust laws, consumer and employee protection, and environmental and pollution controls. Each semester.


GBUS 3073. Advanced Managerial Communications. Prerequisite: GBUS 3063. The course will focus on the processes involved in management communication and concentrate on ways entry-level managers can become more knowledgeable, skilled communicators. Written, verbal, and non-verbal skills will be developed. Fall semester.

GBUS 3183. Quantitative Analysis II. Prerequisite: GBUS 2013. An introduction to advanced statistical techniques and operations research models to include hypothesis testing, analysis of variance, chi-square analysis, regression analysis, multivariate analysis, time series, nonparametric procedures, and decision analysis. Each semester.

GBUS 4003. Commercial Law. Prerequisite: GBUS 3003. A study of the laws applicable to commercial transactions, including contracts, sales, commercial paper, secured transactions, suretyship, and bankruptcy. Fall semester in alternate years.

GBUS 4103. Business Organizations and Property Law. Prerequisite: GBUS 3003. A study of the laws applicable to business organizations and property, including agency, partnerships, corporations, accountants' legal liability, real property, personal property, and related topics. Fall semester in alternate years.

Geography (GEOG)

GEOG 1003. Physical Geography. An introduction to the Earth's physical environment, especially as it relates to the distribution of resources for human beings and their activities, including a study of processes occurring within the atmosphere, hydrosphere, and lithosphere and the landforms they produce. Same as GEOL 1003.

GEOG 2003. Introduction to Geography. This introductory course describes the nature of geographic study; illustrates world regional environmental and cultural conditions; introduces basic map reading; and examines the basic concepts of the discipline.
GEOG 3013. Geography of Anglo-America. A regional geography of the United States and Canada. Emphasis is given to the identification and interpretation of significant urban and regional characteristics as they relate to the physical and cultural environment.

GEOG 3023. Human Geography. A study of the cultural traits such as languages, social customs, and cultural transformation of the natural landscape as a basis for understanding demographic and economic development and problems.

GEOG 3033. Geography and World Religions. A study of the distribution, history, and the cultural effects of the world’s religions.

GEOG 3193. Political Geography. A systematic and regional analysis of political units, including regions and cities, evaluation of geographic phenomena in the internal structure, and external relations of the world's countries. Attention is given to the problem areas of the world. Same as PSCI 3193.

GEOG 4003. Advanced Topics in Geography. A study of special topics in geography requiring in-depth research into a selected topic, determined by the student within an area approved by the instructor.

Geology (GEOL)

GEOL 1001. Physical Geology Lab. To accompany GEOL 1003. Laboratory two hours.

GEOL 1003. Physical Geology. Earth materials and general principles. Physical processes that shape the earth: weathering, erosion, volcanism, earthquakes, rock deformation, and mountain building. Lecture three hours. Same as GEOG 1003.

GEOL 1011. Historical Geology Lab. To accompany Geology 1013. Laboratory two hours.

GEOL 1013. Historical Geology. A survey of the natural history of the earth including origin and evolution of life as recorded in rocks. Also basic stratigraphic interpretations utilizing fossils and sedimentary rocks. Lecture three hours.

GEOL 2003. Environmental Geology. A study of those aspects of geology, which either directly or indirectly interface with man. Includes environmental implication of basic geologic processes, geologic hazards, and earth resources. Lecture three hours.


GEOL 2023. Oceanography. A general study of the liquid earth, the shape of the oceans, their circulation, temperature, density, zoning and bottom configuration including some speculations as to their history. Lecture three hours.
GEOL 3060. Paleontology I Lab. Must be taken concurrently with GEOL 3064. Laboratory two hours.

GEOL 3064. Paleontology I. Prerequisite: GEOL 1001/1003 or GEOL 1011/1013, or consent of instructor. A course dealing with living organisms through geologic time. Will stress invertebrates.

GEOL 3163. Paleontology II. Prerequisite: GEOL 1011/1013 or BIOL 1021/1023 or consent of instructor. This course will review vertebrate animals.

General Studies (GSTD)

GSTD 1001. Honors Seminar. An introduction to SAU history and traditions, problem solving and critical thinking, test-taking and study skills, reading speed and comprehension, presentational and communication skills, time management, dealing with writing as a mode of learning, diversity issues, career planning and campus-based academic and study resources. Required in the first or second regular semester of enrollment of transfer students who have fewer than 24 semester hours and beginning freshmen who have ACT composite scores of 24 or higher. Fall semester.

GSTD 1002. Freshman Seminar. An introduction to test-taking and note-taking skills, dealing with math and test anxiety, memory techniques, time management, goal setting, self-image enhancement. Required in the first regular semester of enrollment of all transfers who have fewer than 24 semester hours and all beginning freshmen who have ACT composite scores of 23 or lower. Fall and spring semesters.

GSTD 1011. Career Planning. Designed to help students consider the factors that will affect the career choices they make, to help them to start making some of those choices, and to facilitate some of the skills necessary to put their plans into action.

History (HIST)

HIST 1003. History of Civilization to 1700. An introductory study of the nature and development of world civilizations to 1700.

HIST 1013. History of Civilization since 1700. An introductory study of the evolution of modern civilizations since 1700.


HIST 3011, 3111. Forum on Contemporary Affairs I, II. A multi-disciplinary study of contemporary issues through group discussions, films, and speakers. May be taken for credit a second time.

HIST 3023. American Military History. A study of the development and activities of the American armed forces and their relationships to American society from 1775 to the contemporary period.
HIST 3053. The Middle East. A survey of Middle Eastern history with emphasis on the 19th and 20th centuries.

HIST 3063. Modern East Asia. A survey of East Asia since 1800 with emphasis upon China and Japan, their traditional societies, contacts and relations with the West, and the modernization of this region up to the present.

HIST 3073. Modern Latin America. A study of the modern history of Latin American countries since their achievement of independence from Spain with special attention to selected contemporary issues.

HIST 3083. History of Arkansas. A survey of the state's history from pre-Columbian times to the present.

HIST 3093. American Foreign Policy. A study of foreign policy's constitutional basis in the Executive and Congress; the special role of public opinion in the American democratic system; a survey of America's diplomatic history; and an analysis of contemporary foreign policy problems. Same as PSCI 3093.

HIST 3103. Western Thought I. A study of the principal currents of thought in Western culture to 1800 with an emphasis on examination of the texts of selected philosophers. Same as PSCI 3103.

HIST 3113. Western Thought II. A study of the principal currents of thought in Western culture since 1800 with an emphasis on examination of the texts of selected philosophers. Same as PSCI 3113.

HIST 3123. Russia and the Soviet Union. A survey of Russian and Soviet history with an emphasis upon the 19th and 20th centuries.

HIST 3133. Research Methods. An introduction to basic methods of research in history and political science, emphasizing computer-based quantitative analysis of historical and political phenomena. Same as PSCI 3133.

HIST 3143. The North American Indian. The archeology, ethnology, and history of the North American Indians from the time of their arrival on this continent prior to 12,500 B.C. down to this present century. Same as SOC 3143.

HIST 3153. Ancient History. This course traces cultural, intellectual, and spiritual developments from the late Roman Empire through the early Middle Ages. It begins with a discussion of Greco-Roman society, details the rise of Christianity, describes the Christianization of western Europe, and ends with the period of “barbarian” empires. This course challenges the traditional understanding of Late Antiquity as a “dark age” of political decay and cultural depression.

HIST 3163. History of the Middle Ages. This course traces the social, cultural, religious, and political history of Western Europe from the fifth to the sixteenth centuries. It begins with the transformation of the Roman Empire under “barbarian” invasion; continues with the consolidation of separate Germanic kingdoms, the expansion of the Church as a social institution, the rise of scholasticism, and the spread of mysticism; and finally concludes with the dawning of the Renaissance.
HIST 3923. The American Presidency. A study of the American presidency, emphasizing the historical evolution of the office, the presidential selection process, the role of the president, presidential-congressional-departmental relationships, and the growth of presidential powers and responsibilities. Same as PSCI 3923.

HIST 4003. Europe, 1815-1914. The history of Europe from the Congress of Vienna to the beginning of World War I with special stress on reaction, nationalism, the industrial revolution, and imperialism.

HIST 4013. Women and Religion. This course examines women’s religious practices and traditions in Judaism, Christianity, Islam, Buddhism, and Hinduism. It pays special attention to religion and culture, and how religion shapes women’s roles in society. It also includes ancient and contemporary perspectives on women in the family; women’s sexuality; women and authority; and women and mysticism.

HIST 4073. Civil War and Reconstruction. A review of the sectional quarrel that led to secession; the military, diplomatic, and economic strategy of the opposing governments; the major campaigns on land and water; Presidential vs. Congressional Reconstruction; and the economic, political, and social changes which accompanied the period.


HIST 4103. American Social History since 1900. A study of the American mind and character; popular culture including religion, movies, radio, and TV; and the social upheavals of the 1920's and 1960's.

HIST 4313. Europe since 1914. A study of modern imperialism, the background of World War I, the rise of totalitarianism, World War II, and its aftermath.

HIST 4323. Recent United States History. A study of the Age of Roosevelt, World War II, undeclared wars in Korea and Vietnam, and American society from the Truman era to the Clinton administration.

HIST 4333, 4343. Advanced Topics in History. Advanced topics in history as chosen by the faculty. Students may take the course once under each number with different topics.

HIST 4923. History Internship. Prerequisite: Senior standing and consent of department chair and instructor. This course provides a structured field experience in the work of public history. Students will be placed as interns with appropriate private or public agencies (such as museums, state parks, or other programs) that have the mission of researching and presenting history for display to the public. This course may not be used to satisfy the requirements of the 36-hour history major. This course will be offered on demand.
Health, Kinesiology, and Recreation (HKR)

HKR 1113, 1123, 2113, 2123. Skills and Techniques I, II, III, IV. Required of kinesiology majors and minors. Courses to develop knowledge, techniques, understanding, and skills in the basic sports and activities appropriate to the teacher of kinesiology and the recreational specialist. Four one-hour laboratories. Courses are not prerequisite to each other.

HKR 1611. Driver Training and Safety. Designed for students to learn to drive a car and develop good safety habits and attitudes or for those who already know how to drive but would like to improve their skills.

HKR 2711. Officiating Baseball-Softball. Prepares students to officiate competitive baseball and softball games. In-depth coverage of baseball and softball rules and the mechanics of officiating. Prepares the student to take the examination administered by rating boards.

HKR 2721. Officiating Basketball. Prepares students to officiate competitive basketball. In-depth coverage of basketball rules and the mechanics of officiating. Prepares students to take the examination administered by rating boards.

HKR 2731. Officiating Football. Prepares students to officiate competitive football. In-depth coverage of football rules and the mechanics of officiating. Prepares students to take the examination administered by rating boards.

HKR 2741. Officiating Volleyball. Prepares students to officiate competitive volleyball. In-depth coverage of volleyball rules and the mechanics of officiating. Prepares students to take the examination administered by rating boards.

HKR 2812. Theory and Fundamentals of Basketball. Prerequisite: Sophomore standing. Theory, strategy, and mechanics of coaching basketball, including the development of various systems of offensive and defensive play and basic supporting fundamentals. Attention to organization of the season, conditioning of players, and psychological factors peculiar to basketball as an educational medium. Lecture two hours, laboratory one hour.

HKR 2822. Theory and Fundamentals of Football. Prerequisite: Sophomore standing. Theories, methods, and mechanics of coaching football, including consideration of fundamentals, rules, individual and team play, offensive and defensive formations, and game strategy. Discussion of practice sessions, squad organization, seasonal planning, conditioning of players, and education opportunities and values. Lecture two hours, laboratory one hour.

HKR 3301-2, 4301-2. Supervised Observation and Field Work in Kinesiology. Prerequisites: Permission of department chair and junior or senior standing. Observation and assisting in planning, teaching, and directing sports, dance, aquatics, conditioning, and recreational activities on community, school, and college levels. Preparation of analyses and critiques and carrying out of projected organizational plans followed by evaluation procedures under close supervision.
HKR 3703. Methods and Materials in Kinesiology for Elementary Schools.  
Prerequisites: Junior standing and satisfactory proficiency in the HKR 1113, 1123, 2113, 2123 sequence for HKR majors or completion of four hours of PHED 1001-1491 for elementary education majors and consent of instructor. Opportunity for prospective teachers of kinesiology to develop teaching competence. Study, observation, discussion of what comprises a well-rounded elementary school kinesiology program. Techniques of directing group activities, developing units of instruction, lesson planning, class organization and management, learning teaching techniques, evaluating pupil progress, acquiring insight into the meaning of behavior, and skill in handling problem situations. Same as ED 3703.

Prerequisites: Junior standing in HKR; satisfactory proficiency in the HKR 1113, 1123, 2113, 2123 sequence; and consent of department chair. Special materials and techniques for the teaching of physical and health education and recreation. Same as ED 3723.

HKR 3803. Water Safety Instructor and Lifeguarding Certification. Prerequisite: Level IV swimming skills (ARC). Techniques and methods of teaching swimming and lifeguarding certification. American Red Cross Water Safety Instructor and Lifeguarding Certification upon satisfactory completion of requirements.


HKR 3842. Theory and Fundamentals of Track and Field. Prerequisite: Junior standing. Theories, methods, and mechanics of coaching track and field events. Critical analysis of the techniques of sprinting, running, hurdling, jumping, and throwing. Emphasis on conditioning for competitive events, squad organization, workout schedules, off-season programs, and problems and actual experience in conducting track and field events. Lecture two hours, laboratory one hour.

HKR 3852. Theory and Fundamentals of Tennis and Volleyball. Prerequisite: Junior or senior standing. Theories, methods, and mechanics of coaching tennis and volleyball, including consideration of fundamentals, rules, and individual and team play. The following elements will be covered in each sport: seasonal and daily practice plans, player conditioning considerations, team organizational procedures, psychological aspects, and offensive and defensive strategies.

HKR 3882. Theory and Techniques in Rhythm Activities. Prerequisites: HKR 2123, permission of instructor, and elementary dance skills. Techniques, theory, and foundations of rhythm activities as media of self-expression in the development of the individual. Emphasis on the creative process and history of dance as a recreational form and instrument of cultural expression. Planning, organization of rhythm activities, and materials in school kinesiology. Laboratory problems in folk, social, and contemporary dance. Lecture two hours, laboratory one hour.
HKR 4113. Driver Education I. Prerequisites: Senior standing and consent of instructor. Prepares teachers of driver education at the secondary school level; includes: organization and administration of the program, safety methods, materials and techniques of teaching, and evaluating procedures. Includes both classroom and laboratory experiences.

HKR 4123. Advanced Driver Education and Traffic Safety II. Prerequisite: HKR 4113. For teachers and administrators in the field of driver education. Includes study of the latest development in materials, equipment, and research in driver education and the psychology of accident prevention.

HKR 4323. Organization and Administration of Health, Kinesiology, and Recreation. Prerequisite: Senior standing in kinesiology. Policies, procedures, and problems in the organization of the total health, kinesiology, and recreation program. Same as HS 4323.

HKR 4331-2, 4361-2, 4381-3. Workshops in HKR and Sports. Prerequisites: Senior standing and approval of HKR department chair. Specific and selected sports, problems, issues, and trends in various areas of the HKR discipline. Lecture and laboratory. Variable credit—one, two, or three semester hours. A maximum of six semester hours of workshops is allowed.

HKR 4343. History and Philosophy of Health, Kinesiology, and Recreation. Study of the origins, nature, and philosophy of health, kinesiology, and recreation as a developmental experience in educational medium. Emphasis is given to the application of history and philosophy to administration and curriculum formation.

HKR 4513. Principles of Kinesiology. Prerequisites: Senior standing in kinesiology and permission of instructor. Study of the origins and nature of modern kinesiology as a development experience and educational medium. Emphasis is given to the application of principles to administration and curriculum formation.

HKR 4923. Measurement and Evaluation in Health, Kinesiology, and Recreation. Prerequisites: Senior standing and permission of instructor. A critical study of methods and uses of evaluation and measurement techniques in physical and health education and recreation.

Horticulture (HORT)


HORT 3001. Plant and Greenhouse Lab. To accompany HORT 3002. Laboratory two hours.

HORT 3081.  Plant Physiology Lab.  To accompany HORT 3083.  Laboratory two hours.

HORT 3083.  Plant Physiology.  Prerequisites:  BIOL 1031/1033 and one year of chemistry.  A study of the basic physiological processes of plant growth and metabolism.  Same as BIOL 3083.  Lecture three hours.

Health Science (HS)

HS 1403.  Personal and Community Health.  A consideration of the various conditions and factors affecting individual and community health, designed to assist the student in formulating his own philosophy, attitudes, and understanding of behaviors necessary to establish healthful living practices.

HS 2043.  Human Anatomy and Physiology I.  Prerequisite: Three hours of biological science or consent of the instructor.  A detailed study of the structure and functions of the human body with the emphasis on the skeletal, muscular, reproductive, and endocrine systems.

HS 2053.  Human Anatomy and Physiology II.  Prerequisite:  HS 2043 or consent of the instructor.  Emphasis on the circulatory, digestive, urinary, nervous, and respiratory system.

HS 2443.  Techniques in the Prevention and Care of Athletic Injuries.  Prerequisite:  HS 2043.  The study and application of theory, principles, and techniques used in the prevention, care, and rehabilitation of athletic injuries.  Introduction to programs in training and sports medicine.


HS 3402.  First Aid and Safety/CPR.  Prerequisites:  HS 1403, HS 2043, and HS 2053.  Course in basic American Red Cross First Aid and American Red Cross Community CPR.  A course covering all materials and experiences in HS 3411 and HS 3431.  Duplicate credit is not allowed.

HS 3411.  CPR and Emergency Treatment.  Prerequisites:  HS 1403, HS 2043, and HS 2053.  Presentation of emergency action principles of cardio-pulmonary resuscitation.  Covers emergency first aid for respiratory failures and cardiac arrest for victims of all ages.  Includes rescue techniques and emergency care of choking victims.
HS 3421. Basic Care and Prevention of Injuries. Prerequisites: HS 1403, HS 2043, and HS 2053. Analysis of methods of preventing and caring for injuries received in kinesiology activities and competitive sports. Practice of taping techniques and choice and operation of training room equipment and supplies.

HS 3431. First Aid and Safety. Prerequisites: HS 1403 and completion of natural science requirement. A consideration of first aid practices to the injured and recognized safety practices in home and community life.

HS 4013. Adapted Kinesiology. Prerequisites: Senior standing and consent of department. A study of adapted kinesiology, a multi-disciplinary approach, consisting of a diversified program of developmental activities, games, sports, rhythms, and aquatics suited to interests, capacities, and limitations of students with impairments, disabilities, or handicaps who may or may not be mainstreamed in the elementary and/or secondary kinesiology programs. Same as SPED 4013.

HS 4023. Drug Use and Abuse in Education and Sports. Examination of the effects of drug use and abuse on society and the individual including study of drug effects on exercise.

HS 4243. Physiology of Muscular Activity. Prerequisites: HS 2043, HS 2053, and HS 3233. The nature, purpose, and effects of muscular activity with particular reference to the respiratory, circulatory, and nervous systems. Analysis of the results of training, theories, and muscle contraction, fatigue, oxygen debt, energy costs, muscle tone, reaction time, and the concept of total fitness.

HS 4323. Organization and Administration of Health, Kinesiology, and Recreation. Prerequisites: Senior standing in kinesiology and approval of department chair. Policies, procedures, and problems in the organization of the total health, kinesiology, and recreation program. Same as HKR 4323.

HS 4413. Health Education in the School. Prerequisites: HS 1403, three hours of biological science, and junior standing or permission of instructor. A study of the school's role in health education. Consideration of the teachers' responsibilities for the health of the school child, screening, referral, instructional programs, emergency care, teachers' health, material and resources, and community health group interrelations.

HS 4433. Advanced Athletic Training Techniques. Prerequisites: HS 2043, HS 2053, HS 2443, HS 2451, HS 2461, HS 3233, HS 3402, HS 3471, and HS 3481. An in-depth look at athletic injuries which will include biomechanics, tissue repair, and injury psychology. Emphasis placed on diagnosis and treatment of specific sports injuries. Special study of injuries requiring medical intervention and surgical procedures.

Inclusive Early Childhood (IEC)

IEC 3002. Early Childhood Field Experience, Block I. Field experiences are an integral part of the Inclusive Early Childhood Program. This course includes observation of human growth and development from prenatal period through age four. Emphasis is placed on observation of physical, cognitive, language, and social and emotional development. (Block I).
IEC 3012. Motor Behavior I (0-4). A study of the continuous change in motor behavior from birth to pre-kindergarten (0-4). Emphasis is on age related changes in motor development and the processes involved in how motor skills are learned. Same as ESCI 3012. (Block I).

IEC 3013. Social Foundations. This course is designed to provide the early childhood teacher with current knowledge about education and issues in today’s multicultural society that influence children between birth and fourth grade. (Block I).

IEC 3022. Motor Behavior II (5-9). A study of the continuous change in motor behavior from kindergarten to fourth grade (5-9). Emphasis is on age related changes in motor development and the processes involved in how motor skills are learned. Same as ESCI 3012. (Block II).

IEC 3023. Human Growth and Development I (0-4). Examines human growth and development from prenatal period through age four. The course will emphasize physical, cognitive, language, social, and emotional development. (Block I).

IEC 3033. Human Growth and Development II (5-9). Examines human growth and development from age five to nine. The course will emphasize physical, cognitive, language, social, and emotional development. (Block II).

IEC 3042. Emergent Literacy. Designed to heighten the awareness of the multiple factors involved in the process of becoming literate and promotes the development of a literate environment that fosters interest and growth in all aspects of literacy. Research and theory relevant to emergent literacy and the kinds of experiences that support literacy are examined. (Block II).

IEC 3053. Organizing for Teaching and Learning. Application of teaching and management models, along with skills of instruction and management. Emphasis is placed on presentation of classroom management skills, lesson planning, authentic assessment, communication across disciplines, observations, and supervised teaching experiences in simulated settings. (Block II).

IEC 3063. History and Philosophy of Early Childhood Education. Introduction to the early childhood profession, including the historical foundations, philosophical bases, and theories of early childhood education. Course includes concepts of quality and developmental appropriateness, indicators for high quality early childhood programs, and research on early intervention programs. (course taken outside of the blocks).


IEC 3093. Teaching Reading. This course presents skills, techniques, and practice in the teaching of reading as well as methods of diagnosis and correction of reading problems and miscue analysis. A social-psycholinguistic and constructivist theoretical approach will be emphasized. (Block II).

IEC 4000. Science for the Early Childhood Teacher Laboratory. To accompany IEC 4033. (Block III).
IEC 4003. Block III Field Experience. An applied course consisting of placement in a public school classroom (grades 1-4). Both site and university supervision through class experiences are also components. At least forty-eight (48) hours of classroom experience is required in this course. *(Block III).*

IEC 4007, 4017. Student Teaching I, II. Prerequisites: Senior standing and consent of School of Education dean. See also Student Teaching Requirements. Students may be assigned to any one of grades 1-4. Student teaching semester will total 15 hours, including enrollment in EDUC 4001 Student Teaching Seminar. *(Block IV).*

IEC 4023. Social and Physical World. Designed to give the early childhood teacher an awareness of the inter-relationship of various social sciences and the essential basic knowledge of methods and materials for teaching at the birth to fourth grade levels. Selection and organization of learning activities and materials for the teaching of social sciences will also be emphasized. *(Block III).*

IEC 4033. Science for the Early Childhood Teacher. Designed to give the early childhood teacher an awareness of the inter-relationship of various sciences and the essential basic knowledge of new science innovations taught at the birth to fourth grade levels. Selection and organization of learning activities and materials for the teaching of science will also be emphasized. *(Block III).*

IEC 4043. Language Arts in Early Childhood. Deals with principles, problems, and materials of teaching listening, speaking, reading, writing, and viewing in early childhood settings. *(Block III).*

**Industrial Technology (ITEC)**

ITEC 3003. Quality Control. Prerequisite: MATH 3043 or equivalent. Analysis of control charts, acceptance sampling procedures, statistical process control, inspection systems, reliability, and quality experiments.

ITEC 3012. Maintenance. Principles and practices of maintenance management, preventative procedures, and typical equipment problems. Also includes related topics such as plant protection, custodial services, and power plant maintenance.

ITEC 3023. Production and Inventory Control. Prerequisite: MATH 3043 or equivalent. Production and inventory control systems including MRP, JIT, and synchronous manufacturing techniques.


ITEC 3053. Industrial Ergonomics. Prerequisite: ITEC 3043 or permission of instructor. A detailed study of the physical, physiological, and psychological aspects in
the design of workplace environment related to productivity, safety, and the long-term
effect on workers with the object of eliminating cumulative trauma disorders.

ITEC 3063. Introduction to Industrial Management. A framework course on the
process of managing an industrial enterprise by developing a culture of quality,
competitiveness, and customer focus through teamwork, empowerment, and the
appropriate application of the tools of industrial technology.

ITEC 4004. Manufacturing Policy and Ethics. Prerequisite: All required BSIT core
or permission of instructor. A capstone course for industrial technology majors to review
previously studied disciplines through case studies with research and lecture in ethics in
industry.

ITEC 4044. Advanced Manufacturing Systems. Prerequisite: CSCI 4123 or
equivalent. An emphasis course for industrial technology majors in automation systems
including work cells, handling methods, robotics, programming techniques, and computer
integrated manufacturing.

Mathematics (MATH)

MATH 0404. Fundamentals of Math. A review of basic algebra, including
polynomials, equations and inequalities, factoring, and linear graphs.

MATH 0703. Intermediate Algebra. Prerequisite: High school algebra I required with
a minimum ACT score of 18, or successful completion of MATH 0404, or approval of
the chair of the Department of Mathematics and Computer Science. A course to prepare
a student for success in College Algebra (MATH 1023). Does not satisfy general
education mathematics requirements and does not count toward the total number of hours
required for a degree

MATH 1001. Math for Allied Health. An introduction to the mathematics of dosage
calculation. A review of basic mathematics followed by the solution of dosage problems.
Three systems of measurement (household, apothecaries’ and metric) are covered.

MATH 1023. College Algebra. Prerequisite: High school algebra II required with a
minimum ACT score of 19 or higher, successful completion of MATH 0703, or approval
of the chair of the Department of Math Mathematics and Computer Science. A study of
quadratic equations and inequalities, graphs of function relations and inequalities,
systems of equations and inequalities, theory of equations, exponential and logarithmic
functions, conic sections, natural number functions, and probability.

MATH 1033. Plane Trigonometry. A study of triangles, radian measure, polar
coordinates, trigonometric functions and their related graphs, formulae, and identities.

MATH 1045. Precalculus Mathematics. Prerequisite: ACT math score of 21 or
satisfactory completion of MATH 0703 or approval of chair of the Department of
Mathematics and Computer Science. A study of quadric, polynomial, rational,
exponential, logarithmic, and trigonometric functions, their graphs and inverses as well as
systems of equations and inequalities, determinants, matrices, sequences and series, conic
sections, angles, identities, trigonometric operation formulae, laws of sines and cosines,
trigonometric form of complex numbers, vectors, DeMoivre's Theorem, and nth roots of
complex numbers.
MATH 1113. Calculus for the Management Sciences. A study of concepts in differential and integral calculus for polynomial, rational, exponential, logarithmic, and multivariate functions with applications coming from topics and problems in business and economics. Does not count toward any specialization or degree in mathematics.

MATH 1525, 1545. Calculus I, II: Calculus and Analytic Geometry. Prerequisites: MATH 1023 and MATH 1033 or MATH 1045 or equivalent. The differential and integral calculus of functions of one variable with applications; topics from plane analytic geometry.

MATH 2033. Discrete Mathematics. Prerequisite: MATH 1023. Presents the mathematical tools that form the foundation for the science of computing. Topics include logic, boolean algebra, number theory, combinatorics, probability, asymptotics, algorithm analysis, and an introduction to computability.

MATH 2123. Applied Calculus for Technology. Prerequisite: MATH 1033 or equivalent. Methods of formulation and solution of special problems encountered in industry and technology using advanced techniques.

MATH 2563. Calculus III: Multivariable Calculus. Prerequisite: MATH 1545 or equivalent. Techniques of integration, solid analytic geometry with vectors, calculus of functions of several variables, and series.

MATH 2753. Linear Algebra. Prerequisite: MATH 1545. A study of linear vector spaces. Includes linear mappings and matrix representations, bases and orthonormality, and eigenvalues and eigenvectors. Applications to systems of linear equations, linear operators, and geometry.

MATH 3033. Differential Equations. Prerequisite: MATH 2753. A study of ordinary differential equations using the differential operator in the linear cases and other elementary methods in equations of higher degree and order.

MATH 3043. Introduction to Applied Probability and Statistics. Prerequisite: MATH 1023 and CSCI 1101/11021. Introduction to descriptive statistics, probability, binomial and normal distributions, hypothesis testing, correlation, and regression. Does not count toward any specialization or degree in mathematics.

MATH 3063. Abstract Algebra. Prerequisite: MATH 2753. An introductory course in abstract algebra consisting of number theory, integral domains, equivalence and congruence, groups, rings, and ideals, and elementary matrix theory.

MATH 3083. Principles of Analysis. Prerequisite: MATH 2753. Introductory course in mathematical analysis consisting of a study of the real number system, functions, metric sets, limits, and continuity. Emphasis on the theoretical aspects of mathematical analysis.

MATH 3103. Math for Early Childhood Teachers I. Prerequisite: MATH 1023. A study of numeration systems and the structure of arithmetic with and emphasis on problem solving as it relates to early childhood education. For early childhood majors only.
MATH 3113. Math for Early Childhood Teachers II. Prerequisite: MATH 1023. A study of rational numbers, geometry, measurement, and statistics with a focus on early childhood education. For early childhood majors only.

MATH 4003. College Geometry. Prerequisite: MATH 2753. Covers finite geometries, motions in Euclidean 2-space and 3-space, geometric transformations, convexity and the Euclidean geometry of the circle and the polygon.

MATH 4023. Point-Set Topology. Prerequisite: MATH 2753. A study of topological spaces, metric spaces, continuous functions, connectedness, separability, compactness, local compactness, and local connectedness.

MATH 4033. Introduction to Complex Variables. Prerequisite: MATH 2753. An introductory course in complex variable theory with applications.

MATH 4043. Numerical Analysis. Prerequisites: MATH 2753 and MATH 3033. An introduction to the techniques of numerical analysis. Applications include finding roots of equations, numerical calculus, matrix methods for solving systems of linear equations, and the numerical solution of differential equations. Error control and algorithm complexity and convergence will be covered.

MATH 4053. Higher Order Thinking in Mathematics. This course will provide pre-service middle level and secondary teachers in grades five through college with examples of lessons incorporating methods appropriate for students with different learning styles. These lessons will emphasize the use of manipulatives, hand-on materials, cooperative learning techniques, and technology. Topics include number sense and number theory, functions, probability and statistics, geometry, and measurement.

MATH 4073. Introduction to Probability and Statistics. Prerequisite: MATH 2753. A study of the elementary theory of probability with statistical applications. The standard distributions will be applied to sampling theory, confidence intervals, and tests of hypotheses. Problem solving techniques and real-world applications will be stressed.

MATH 4123. History of Mathematics. Prerequisite: MATH 2753. Presents the development of mathematics from antiquity to modern times. Explores how problem solving has spurred mathematical development. Examines the impact of culture on mathematics and the converse. Discusses mathematical literacy and proficiency from a historical perspective.

MATH 4193. Modern Mathematics for Elementary Teachers I. Prerequisite: MATH 1023. A study of numeration systems and the structure of arithmetic with an emphasis on problem solving, number theory, probability, and statistics. For elementary education majors only.

MATH 4293. Modern Mathematics for Middle Level Teachers II. Prerequisite: MATH 1023. A continuation of MATH 4193. A study of the mathematics and teaching methods appropriate for the elementary grades. Topics include rational numbers, measurement, and geometry all being learned within a problem solving framework. For elementary education majors only.
MATH 4393. Geometry for Elementary and Middle School Teachers. Prerequisite: MATH 1023 with a grade of C or above. For elementary education majors only. A study of basic geometric ideas relevant to the elementary and middle school curriculum. Topics include polygons, tessellations, polyhedra, measurement, motions, magnification, symmetry, and topology.

MATH 4601-3. Workshop in Mathematics Education. Minimum of three hours laboratory required for one hour credit up to a maximum of three hours. Restricted to B.S.E. students.

MATH 4613. Special Topics. Prerequisite: MATH 2753. Special topics of interest to be selected from among the following list: mathematical modeling, operations research, graph theory, dynamic systems, real analysis, etc.

MATH 4643. Mathematics Internship. Prerequisite: Departmental approval. A structured field experience designed to provide a representative and worthwhile learning experience for the participating student. Requires advanced planning and prior approval.

Mass Communication (MCOM)


MCOM 1051. Yearbook Practicum. Supervised work during one semester on the campus yearbook (The Mulerider). Experience in layout techniques, publishing work, and hands-on experience. The course may be repeated up to four times.

MCOM 2013. Basic Photography. Taking and processing black and white photographs; cameras, lenses, composition, films, developing, printing, print enhancement. Student must furnish camera (with adjustments for focus, aperture, and shutter), film, paper. Work in darkroom required.

MCOM 2051. Yearbook Practicum. Supervised work during one semester on the campus yearbook (The Mulerider). Experience in layout techniques, publishing work, and hands-on experience. The course may be repeated up to four times.

MCOM 3023. Photo Journalism. Prerequisite: MCOM 2013. Skills and techniques in photojournalism and including scaling photographs, layout of picture stories, photo essays. Course may also include supervised experience in photographing for The Bray, The Mulerider, public information, or sports information. Student must provide own camera, attachments, film, and paper.

MCOM 3051. Yearbook Practicum. Supervised work during one semester on the campus yearbook (The Mulerider). Experience in layout techniques, publishing work, and hands-on experience. The course may be repeated up to four times.

MCOM 4003. Media Law and Ethics. Prerequisite: Senior standing or permission of instructor. A study of national and state laws pertaining to mass media and of the ethical guidelines for media personnel. Ethical case studies in broadcast journalism, print journalism, and news media.

MCOM 4043. Color Photography. Prerequisites: MCOM 2013 and MCOM 4013. Theory of color including media reproduction. Photographing variety of assignments using both negative and positive color films. Processing negative and positive color films to produce transparencies and prints. Student must provide own camera, film, and paper.

MCOM 4051. Yearbook Practicum. Supervised work during one semester on the campus yearbook (The Mulerider). Experience in layout techniques, publishing work, and hands-on experience. The course may be repeated up to four times.

Multicultural Studies (MCUL)

MCUL 4993. Contemporary Hispanic Life and Culture. A course offering practical experiences of contemporary Spanish and Spanish American life and culture. Presentations, films, documentaries, readings, discussions, demonstrations, and dramatizations of cultural interactions. Students will learn to converse about current issues, understand the cultural mores, and function effectively within Spanish and Spanish American society. Readings and class discussions will be in English. Especially recommended for anyone interested in conducting international business. Offered concurrently with SPAN 4993. Does not apply to upper-level Spanish credits required for Spanish major or minor. Students may not receive credit for both MCUL 4993 and SPAN 4993.

Management (MGMT)

MGMT 3013. Management Science. Prerequisites: CIS 2053 and GBUS 2013 or permission of instructor. Selected operations research techniques and computer utilization of these techniques to solve complex problems. Spring semester.


MGMT 3983. Business Internship in Management. Prerequisites: Junior standing and approval of the Internship Committee. A structured field experience relevant to the field of management. Each internship is designed to provide a representative and meaningful learning experience for the participating student. Honors course. Each semester.

MGMT 4043. International Business. An introduction to the essentials of international business. Includes topics covering the nature of international business, international organizations and monetary systems, foreign environments, and special management and marketing considerations. Each semester.

MGMT 4053. Human Resources Management. Prerequisite: MGMT 3023. The principles, methods, and procedures related to the effective utilization of human resources in organizations. Spring semester.

MGMT 4063. Production and Operations Management. Prerequisite: GBUS 3183. The management of production, including such topics as production costs, quality control, inventory management, time and motion study, layout and location, and selected areas of operations research. Each semester.

MGMT 4093. Management Strategy and Policy. Prerequisite: Senior standing. A framework for diagnosis and analysis that enables the student to confront the problems and opportunities of complex business organizations from the viewpoint of the policy makers. A unique combination of text, readings, cases, and integrated simulation to develop the student's ability to make decisions. Each semester.

MGMT 4103. Total Quality Management. Prerequisites: MGMT 3023, GBUS 3183, senior standing. The management of total quality as an organization-wide process. The course provides a fundamental, yet comprehensive exploration of total quality management (TQM) that covers not only the principles and practices, but also the tools and techniques. The course focuses on the design, operation, and control of quality systems, implementation approaches, technical issues, strategic importance, and quality improvement tools and their use. Fall semesters.

MGMT 4301-3. Special Topics in Management. A study of current issues in the field of human resources and operation management. Selected topics will be introduced from special readings and research. Designed to keep the professional manager abreast in the various fields of management.

MGMT 4313. International Studies and Field Experience. Prerequisite: Admission to the School of Business. An introduction to the basics of international business combined with a field experience in an international location. The instructor will emphasize culture, business environment and practices for the country of the field experience. Spring semester.

Marketing (MKTG)

MKTG 3033. Principles of Marketing. A study of the process of planning and executing the conception, pricing, promotion, and distribution of ideas, goods, and services to create exchanges that satisfy individual and organizational objectives. Each semester.

MKTG 3043. Retailing. Prerequisite: MKTG 3033. A study of the business activity of selling goods or services to the final consumer; basic retailing practices and procedures, managing the buying, pricing, promotion, layout, security, and location of the retail organization. Spring semester.
MKTG 3053. Integrated Market Communications. Prerequisite: MKTG 3033. A study of the promotional mix: advertising, sales promotion, personal selling, and public relations. Ethics and truth in advertising will be emphasized. Spring semester.

MKTG 3103. Selling and Sales Management. Prerequisite: MKTG 3033. A study of selling and sales management, including developing the selling function, strategic sales planning, building a sales program, and controlling the sales force. Selling and sales management cases will be utilized. Fall semester.

MKTG 3953. Business Internship in Marketing. Prerequisites: Junior standing and approval of the Internship Committee. A structured field experience relevant to marketing. Each internship is designed to provide a representative and meaningful learning experience for the participating student. Honors course. Each semester.

MKTG 4013. Marketing Management. Prerequisites: MKTG 3033, MGMT 3023, and senior class standing. An integration of previous marketing coursework. A study of the process of analyzing marketing opportunities. Fall semester.

MKTG 4023. Marketing Research. Prerequisites: MKTG 3033, GBUS 3183, and senior class standing. A study of the process of designing, collecting, organizing, interpreting, and presenting data related to the planning and executing of the conception, pricing, promotion, and distribution of ideas, goods, and services. Spring semester.

MKTG 4033. Consumer Behavior. Prerequisite: MKTG 3033. A study of the buying habits and preferences of consumers, models for explaining and predicting consumer and marketing behavior and consumer movements and attitudes with implications for marketing management policies and the business economy. Fall semester.

MKTG 4301-3. Special Topics in Marketing. A series of one-hour courses which introduce continuing education students, graduates, or industry persons to marketing topics not normally taught as regular courses, giving students information that can enhance their jobs or professional development and familiarizing them with the newest developments in marketing. Offered on demand.

MKTG 4893. Independent Study. Prerequisites: Senior standing and permission of major advisor and instructor. Research and independent investigation in areas of marketing under the supervision of the instructor. Areas of study might include marketing history, marketing theory, marketing strategy, non-profit marketing, services marketing, pricing, product, management, international marketing, industrial marketing, direct marketing, telemarketing, public relations, wholesaling, logistics, transportation channels, ethics in marketing, and other topics. Offered on demand.

Music

Applied Music: Course numbers 1001-4001 are intended for elective credit and for music minors. Course numbers 1002-4002 are intended for music majors and music minors. (The following course prefixes will apply to specific instruments.)

MABS 1001-4001, 1002-4002. Bassoon
MACL 1001-4001, 1002-4002. Clarinet
MACP 1001. Beginning Class Piano  
MACP 1101. Continued Class Piano  
MACV 1211, 3211. Class Voice  
MACV 1221, 3221. Advanced Class Voice  
MAEU 1001-4001, 1002-4002. Baritone/Euphonium  
MAFH 1001-4001, 1002-4002. French Horn  
MAFL 1001-4001, 1002-4002. Flute  
MAGU 1001-4001, 1002-4002. Guitar  
MAOB 1001-4001, 1002-4002. Oboe  
MAOR 1001-4001, 1002-4002. Organ  
MAPC 1001-4001, 1002-4002. Percussion  
MAPI 1001-4001, 1002-4002. Piano  
MAZA 1001-4001, 1002-4002. Saxophone  
MAST 1001-4001, 1002-4002. Strings  
MATP 1001-4001, 1002-4002. Trumpet  
MATR 1001-4001, 1002-4002. Trombone  
MATU 1001-4001, 1002-4002. Tuba  
MAVC 1001-4001, 1002-4002. Voice  

Middle School Education (MSED)  

MSED 3003. The Middle School Student. The physical, social, emotional, intellectual, and moral characteristics of the developmental period of early adolescence within social and cultural contexts are examined. The changes in family settings, social contexts, threats to health and safety and risk behaviors in contemporary society that affect health and development of young adolescents are explored.  

MSED 3013. The Middle School Concept. Models of schooling, contexts of schooling, and educational sociology are explored. The middle school concept is studied emphasizing the relationship between characteristics of transescent students, society, and schooling.  

MSED 4043. Assessment, Evaluation, Measurement. This course focuses on the relationship between teaching, learning, and assessment. It addresses the questions: How do I know what my students need to learn? How do I know what they have learned? How do I use assessment as a formative as well as an evaluative process? How do I communicate the results of assessment to stakeholders in the educational process? Authentic assessment (assessment that stems naturally through the analysis of actual student work), as well as standardized assessment (achievement, IQ, norm referenced and criterion referenced measures) and elementary statistics will be covered.  

MSED 3023, 3033. Integrating Art, Music and HKR. The focus of this course is integration of art, music and HKR into the middle level math/science and language/social studies curriculum. The course will be taught in three 5-week modules. Students will develop lesson plans that integrate art, music and HKR into math/science and language/social studies units of instruction. Each module will include a field experience.
MSED 3104, 3114. Praxis I. The first course in the praxis series examines history, current trends, standards and competencies, philosophies, and the future of curriculum. Interdisciplinary and cross-disciplinary curricular integration are examined. Praxis I includes an internship that places students in a workplace setting to experience real-life application and integration of the content in their area of specialization. Praxis I enables the pre-service teacher to answer questions: what will I teach? And, how will I know what to teach?

MSED 4006, 4016. Student Teaching. Prerequisites: Senior standing and consent of School of Education dean. See also Student Teaching Requirements. Students may be assigned to any one of grades 4-8. Student teaching semester will total 15 hours, including enrollment in EDUC 4003 Student Teaching Seminar.

MSED 4114, 4124. Praxis III. The third course in the Praxis series focuses on collaboration within the community of educational stakeholders, teaching as a profession, reflective practice and action research. Students answer the questions: how do I evaluate/assess my own teaching? How can my professional practice grow to continually meet the dynamic needs of learners in an era of accelerating change? Praxis III includes an extended field experience in a school setting and requires students to work collaboratively with host teachers to conduct an action research project based on the students work in the classroom setting.

Music Education (MUED)

MUED 1000. Concert and Recital Attendance. For music majors, the course facilitates required attendance at concerts and recitals as a step toward learning music literature and performance practice. Students must register for the course and receive a grade of CR each semester for up to six semesters. The number of concerts and recitals needed to receive a grade of CR each semester will be posted by the department chair.

MUED 3001. Brass Methods. A pedagogy course designed to prepare music education majors with the resources and techniques needed to instruct beginning and intermediate brass players in the public schools.

MUED 3002. Choral Conducting. Conducting and rehearsal techniques, performance styles, choral literature, and programming. Score study and conducting of choral and instrumental groups also included.

MUED 3011. Woodwind Methods. A pedagogy course designed to prepare music education majors with the resources and techniques needed to instruct beginning and intermediate woodwind players in the public schools.

MUED 3012. Instrumental Conducting. Designed for the instrumental music education major. Includes the study of basic conducting techniques, score preparation, and band literature.

MUED 3021. Percussion Methods. A pedagogy course designed to prepare music education majors with the resources and techniques needed to instruct beginning and intermediate percussion players in the public schools.
MUED 3031. Instrumental Survey. The study will include a history of the instruments, method books, mouthpiece numberings, effective playing ranges, techniques and fingerings for brass and woodwind, and rudiments for percussion. For vocal and keyboard majors.

MUED 3053. Methods and Administration of Elementary School Music. For music majors only or with consent of instructor. Administration, methods, and materials for public school music at the elementary school level.

MUED 3061. String Methods. A pedagogy course designed to prepare music education majors with the resources and techniques needed to instruct beginning and intermediate string players in the public schools.


MUED 3172. Marching Band Techniques. The study of computer-assisted drill design, literature selection, and administrative considerations for the contemporary marching band.

MUED 3203. Media Applications: Orchestration and Arranging. Designed to acquaint students with the rudiments of writing for vocal and instrumental ensembles, including band and orchestra. Theoretical knowledge of instruments such as pitch ranges, proper notation, and idiomatic characteristics are studied. MIDI technology is used in the learning and application of orchestration and arranging techniques.

MUED 3212. Methods and Materials of Instrumental Music. Designed to enable the instrumental music education major to build and maintain a highly organized, well-balanced music education program. Continued study of rehearsal techniques and band literature is included.

MUED 3233. Methods and Materials in Choral Music. Designed for vocal music education majors. The course will include topics such as diction, language pronunciation, and building and maintaining a choral program. Continued study of rehearsal techniques and choral literature is included.

MUED 3253. Piano Pedagogy. An introduction to principles, materials, and career development in the teaching of piano. Study will concentrate on techniques for teaching beginners in both private and class settings, and instruction through the intermediate level.

Music Ensemble (MUEN)

Enrollment in any MUEN course requires an audition before the appropriate faculty and permission of the instructor.

MUEN 1001, 3001. Orchestra. Ensemble credit granted for participation in the South Arkansas Symphony, subject to audition with the conductor and approval of the department chair.
MUEN 1021, 3021. Chamber Orchestra. Presents opportunity for string and other instrumentalists to play orchestral music. Open to all community and university students by consent of the director. Emphasis is placed on chamber string repertoire and performance practices.

MUEN 1041, 3041. Choral Society. Presents one to three major concerts per semester. Emphasis is on larger choral works of various stylistic periods. Open to students and community members.

MUEN 1051, 3051. Marching Band. Concentrates on the preparation and performance of contemporary marching band drill and literature.

MUEN 1061, 3061. Chamber Singers. Select ensemble with enrollment determined by audition. This ensemble will be devoted to chamber choral literature.

MUEN 1071, 3071. Instrumental Ensemble. Chamber music study and performance in appropriate combinations for all instrumentalists.

MUEN 1081, 3081. Jazz Band. The study of standard and contemporary repertoire with opportunities for individual improvisation and ensemble jazz experience.

MUEN 1141, 3141. Heritage Singers. Concentrates on choral literature of varied styles from each major historical period. A select ensemble with a vigorous performance schedule. Membership is by audition only.

MUEN 1151, 3151. Symphonic Wind Ensemble. The study and performance of a variety of standard and contemporary literature for winds and percussion.

MUEN 1161, 3161. University Singers. Choral ensemble open to all university students regardless of previous choral experience. Emphasis is placed on developing basic choral skills.

MUEN 1171, 3171. Concert Band. The study and performance of advanced concert band literature. For interested instrumentalists during the spring semester.

Literature and History of Music (MULI)

MULI 1013. Introduction to Music. A study of music literature, composers, styles, and periods. Approach is through selected compositions of major composers from 1600 to the present. Emphasis is on listening.

MULI 1022. Hymnology. A historical and pragmatic study of hymns. Various ways to use them in worship and evangelism will be explored. Offered on demand.

MULI 3003. Piano Literature. A survey of piano literature from the seventeenth century to the present. Composers, styles, and performance practice will be studied.

MULI 3031. Band Literature. Designed for the student who plans to teach instrumental music. The course will include band literature suitable for junior and senior high bands. Scores, records, and tapes will be used to examine band music from pop to contest selections.
MULI 4003, 4103. History of Music I, II. Prerequisites: MULI 1013, MUTH 2103, and MUTH 2111. A survey of music from ancient Greece to the present with an emphasis on performance practice and styles. Listening to stylistic performances in an integral part of the course.

MULI 4891-3, 4991-3. Independent Study in Music Literature. Prerequisite: Consent of department chair. Advanced study in chosen areas of music literature. Offered on demand. Each course may be taken once for a maximum of three semester hours each.

Music (MUS)

MUS 2013. An Introduction to Fine Arts: Music. Designed for the general student, the course presents music as part of man’s cultural heritage. Topics include basic terms, forms, styles, and periods. Approach is primarily through listening.

Theory of Music (MUTH)

MUTH 1093. Fundamentals of Music Theory. An introduction to scales, intervals, elementary harmonic structure, rhythm and sight reading. For music majors and minors not ready for Written Theory I.

MUTH 1003, 1103. Written Theory I, II. A study of traditional harmony through dominant seventh chords, ornamental tones, borrowed dominants, and introduction to modulation. MUTH 1003 is prerequisite for MUTH 1103.

MUTH 1011, 1111. Applied Theory I, II. Sight-singing and ear training. A study of scales, rhythms, intervals, and triads. MUTH 1011 is prerequisite for MUTH 1111.

MUTH 2003, 2103. Written Theory III, IV. Prerequisite: MUTH 1103. A study of the relationship of chords as used in the development of a composition. Other topics include analysis, transpositions, part-writing, melodic harmonization, and contrapuntal techniques. MUTH 2003 is prerequisite for MUTH 2103.

MUTH 2011, 2111. Applied Theory III, IV. Prerequisite: MUTH 1111. A continuation of Applied Theory II with more complex elements introduced through singing and dictation. MUTH 2011 is prerequisite for MUTH 2111.

MUTH 3012. Form and Analysis. Prerequisites: MUTH 2103 and MUTH 2111. Melodic, rhythmic, harmonic, and formal analysis of selected works by representative composers.

MUTH 4891-3, 4991-3. Independent Study in Music Theory. Prerequisite: Consent of the department chair. Advanced study in chosen areas of music theory. Each course may be taken once for a maximum of three semester hours each.
Nursing (NURS)

(Please note that courses in this section are not listed sequentially by numbers.)

NURS 1004. Level I: Care of the Non-acute Individual. Lecture 4 hours per week. Focuses on the human needs of the individual throughout the life span using the nursing process. Rehabilitation and stable chronic illness are representative of the non-acute individual.

NURS 1003. Clinical Lab for Level I. This is the clinical component of Care of the Non-Acute Individual and accompanies NURS 1004. Beginning nursing students are in the clinical area providing care for patients in hospitals and nursing homes in the area, using skills and knowledge gained in the classroom setting. The nursing process is the basis for providing care. Nine hours per week (3:1).

NURS 1104. Level II: Care of the Neonate and Reproductive Individual across the Life Span. Prerequisites: NURS 1003 and NURS 1004. Lecture 4 hours per week. This course integrates principles of reproductive and neonatal nursing. Normal and at-risk pregnancy, labor, and delivery are addressed. Study of families experiencing the birth and/or death of a child, physical, sexual, child, and spousal abuse, and AIDS and other STDs are included.

NURS 1103. Clinical Lab for Level II. This is the clinical component of Care of the Neonate and Reproductive Individual across the Life Span and accompanies NURS 1104. It integrates principles of reproductive and neonatal nursing and continues the role of provider of care. The nursing process is used to provide family-centered care to neonates and reproductive individuals. Students will care for patients experiencing physical, sexual, child, and spousal abuse, AIDS and other STDs, and families experiencing the birth and/or death of an infant. Nine hours per week (3:1).

NURS 1310. Clinical Lab for Nursing Transition. This is the clinical component of the LPN-RN transitions course and accompanies NURS 1318. The course is designed to facilitate the licensed practical nurse in preparation for the role of registered nurse. The course incorporates clinical guidelines from the first and second level course of the associate degree program. Six nine hour days (3:1).

NURS 1318. Nursing Transition. A course designed to facilitate the entry of licensed practical nurses into the second level of the associate degree nursing curriculum. Applicants for the course must be licensed practical nurses who have completed all prerequisite course work. The course incorporates concepts from the first-level nursing courses of the two-year associate degree program. Upon completion of the program, the student is awarded six additional semester hours of credit as advanced placement hours. Offered in the summer.

NURS 2001. Independent Study in Nursing Skills and Theory. This is a one hour course designed to assist students who need extra help with nursing course material such as math for meds or skills. It is to be used primarily as a remediation/resource course for enrolled nursing students only.

NURS 2004. Level III: Care of Individuals Requiring Medical or Surgical Intervention I. Prerequisites: BIOL 2061/2063, BIOL 2071/2073, BIOL 3022/3032, ENGL 1113, ENGL 1123, NURS 1103 and NURS 1104. Relates to nursing of
individuals treated primarily by surgical intervention. Taken concurrently with NURS 2014 and NURS 2244. Lecture 4 hours per week.

**NURS 2014. Clinical Lab for Level III.** Clinical laboratory to accompany NURS 2004. Relates to clinical application of knowledge gained in NURS 2004. Primarily nursing care focus is individuals treated by surgical interventions. In addition, emergency, intensive, and ambulatory care areas are utilized for the acquisition of knowledge. Twelve hours per week (3:1).

**NURS 2144. Care of the Child.** Prerequisites: NURS 2004, NURS 2014, and NURS 2224. Emphasizes a family-centered approach to the care of the child using the nursing process. Taken concurrently with NURS 2104 and NURS 2114. Lecture 4 hours per week.

**NURS 2104. Level IV: Care of Individuals Requiring Medical-Surgical Intervention II.** Prerequisites: NURS 2004, NURS 2014, and NURS 2224. Taken concurrently with NURS 2114 and NURS 2144. Relates to nursing care of individuals treated primarily by medical intervention. Lecture 4 hours per week.

**NURS 2114. Clinical Lab for Level IV.** This is the clinical component of Level IV Care of the Individual with Medical or Surgical Conditions II and accompanies NURS 2104. Students use the nursing process while giving care to clients in a medical-surgical area. Twelve hours per week (3:1).

**NURS 2224. Care of the Individual’s Mental Health.** Prerequisites: NURS 1104 and NURS 1103. Taken concurrently with NURS 2004 and NURS 2014. Focuses on the communication and nursing care of individuals who are experiencing psychiatric disorders which may impact their ability to function in personal life, family, and society. Lecture 4 hours per week.

**NURS 3003. Health and Physical Assessment.** Pre-/Corequisite for all other upper-division nursing courses leading to the BSN except NURS 3013. This course incorporates the basic fundamentals of health and physical assessment and builds a broader foundation of knowledge, skills, and attitudes necessary to perform a thorough and accurate assessment of a client.

**NURS 3013. Issues and Trends in Nursing.** A presentation of historical, political, legal, ethical, and cultural underpinnings affecting the nursing profession. Addresses the evolution, current status, and future direction of nursing education and practice.

**NURS 3023. Community Health Nursing Practicum.** Pre-/Corequisite: NURS 3003. To accompany Community Health Nursing. Provides opportunities to apply concepts and principles from theory with individuals, families, and communities. Nine hours per week (3:1).

**NURS 3033. Community Health Nursing.** Pre-/Corequisite: NURS 3003. Designed to provide a theoretical basis for community health nursing and public health practice with individuals, families, and communities. To be taken concurrently with NURS 3023.

**NURS 3043. Introduction to Research.** Introduction to research methodology, critique of research literature, application of findings to nursing practice, and identification of clinical problems for study.
NURS 4013. Nursing Leadership and Management. Presentation of nursing leadership and management theories. Emphasis is placed on collaboration in planning, organizing, directing, and evaluating nursing care.

NURS 4083. Nursing Leadership and Management Practicum. A three credit hour course held during the second summer session after the student has successfully completed NURS 4013. The course provides the RN-BSN student with an opportunity to apply the theoretical principles gained in the theoretical course. Nine hours per week (3:1).

NURS 4023. Geropsychiatric Nursing Practicum. Pre-/Corequisite: NURS 3003. To accompany NURS 4033. An elective to provide opportunities to apply concepts and principles from theory in caring for older adults and their families in community settings with an emphasis on psychiatric care. Nine hours per week (3:1).

NURS 4053. Care of the Critically Ill Individual Practicum. Pre-/Corequisite: NURS 3003. To accompany NURS 4043. Focuses on the application of research-based knowledge in the care of the critically individual within the clinical laboratory setting. Nine hours per week (3:1).

NURS 4063. Advanced Adult Health Nursing. The geropsychiatric nursing portion of the course addresses normal aging health related needs, acute and chronic illness concepts, and rehabilitation. Psychosocial theories are presented to prepare students to care for older adults in community settings. The critical care component focuses on the needs of acutely ill individuals and prepares students to assume leadership roles in the management of comprehensive care of critically ill individuals. The ambulatory care component focuses on the client who needs the services of an outpatient setting.

NURS 4073. Ambulatory Care Clinical Practicum. This course accompanies NURS 4063 and offers students in the RN-BSN track a third choice for clinical placement. This course implements the role of the baccalaureate-prepared nurse in an ambulatory care setting. Nine hours per week (3:1).

Physical Education Activity (PHED)

PHED 1001-1491. Activities. One credit hour required of all college students. Instruction and practice in sports and activities which contribute to present and future recreational needs, organic development, and fitness of the student. Instruction in the rules, strategies, social behaviors, and techniques of individual, dual, and team sports, folk, social, and square dancing, swimming and aquatics, conditioning and therapeutic activities, and other games and sports. No more than four credits allowed toward graduation. Two one-hour laboratories each week.

PHED 1501. Concepts of Physical Activity and Wellness. A scientific approach. The course is designed primarily as an introductory course at the college level to provide the student with scientifically based knowledge concerning physical fitness activities with concise and factual presentation with regard to the why, how, and what of exercise and physical activity for fitness and wellness. Lab sessions precede each outlined section.
PHED 1511. Exercise and Fitness for the Older Adult - Land Exercise. An exercise class that may be taken by qualified older adults that offers chair, land, and walking exercise. (The exercise is approved by the Arthritis Foundation.)

PHED 1521. Exercise and Fitness for the Older Adult - Water Exercise. An exercise class that may be taken by qualified older adults that offers water exercise. (The exercise is approved by the Arthritis Foundation.)

PHED 1531. Exercise and Fitness for the Older Adult - Strength Training. An exercise class that may be taken by qualified older adults that offers strength and flexibility and cardiovascular training using strength machines.

PHED 1541. Martial Arts. Students will be introduced to physical conditioning, Stretching and calisthenics (sit-ups, squats, lunges, push-ups, etc).

PHED 1551. Aquacize. Wide variety of water exercises that provide for cardiovascular conditioning, toning, and strengthening of muscles. Performed in water deeper than seven feet.

PHED 1561. Cardioboxing. A challenging cardiovascular workout that combines boxing techniques and high-energy cross training.

Philosophy (PHIL)

PHIL 2403. Introduction to Philosophy. Prerequisites: Sophomore standing, completion of ENGL 1113 and ENGL 1123. A survey of the most basic and perennial issues in philosophy and an introduction to the major thinkers of the Western philosophical tradition.

PHIL 2413. Religion and the Human Experience. This course examines the role religion has played in the development of human society and common elements in various religions traditions.

Physical Science (PHSC)

PHSC 2021. The Physical Sciences Laboratory. To be taken concurrently with PHSC 2023. Laboratory two hours.

PHSC 2023. The Physical Sciences. Prerequisites: Two years of high school algebra or MATH 1023 or higher. The principles of elementary physics, chemistry, and earth science for the non-science major. A possible core course in general education, other options are CHEM 1011/1013, GEOL 1001/1003, GEOL 1011/1013, PHYS 2001/2003. Lecture three hours.

PHSC 3000. General Science Laboratory. To accompany PHSC 3003. Same as BSCI 3000.

PHSC 3003. Science for the Middle Level Teacher. Prerequisites: E ED 3002/3003 and two courses in science. Designed to give the elementary teacher an awareness of the inter-relationship of the various sciences and the essential basic knowledge of new science innovations taught in the elementary school. Selection and organization of learning activities and materials for the teaching of science will also be emphasized. Lecture two hours; Laboratory two hours. Same as BSCI 3003.
Physics (PHYS)

PHYS 2001. General Physics I Laboratory. To be taken concurrently with PHYS 2003. Laboratory three hours.

PHYS 2003. General Physics I. Prerequisite: MATH 1023. Physics primarily for students in the health-related fields and industrial technology. Topics include mechanics, thermodynamics, and acoustics. Lecture three hours.


PHYS 2101. General Physics II Laboratory. To be taken concurrently with PHYS 2103. Laboratory three hours.

PHYS 2103. General Physics II. A continuation of PHYS 2003. Topics include electricity, magnetism, optics, and modern physics. Lecture three hours.

PHYS 2201. University Physics I Laboratory. To be taken concurrently with PHYS 2203. Laboratory three hours.


PHYS 2211. University Physics II Laboratory. To be taken concurrently with PHYS 2213. Laboratory three hours.

PHYS 2213. University Physics II. A continuation of 2203. The fundamental principles of electromagnetic phenomena, including light. Lecture three hours.

PHYS 3021. Physical Chemistry I Lab. Must be taken concurrently with PHYS 3023. One three-hour period per week. Same as CHEM 3021. Alternate years.

PHYS 3023. Physical Chemistry I. Prerequisites: CHEM 1121/1123, MATH 1525, and either CSCI 1101/1102 or a high school computer course in BASIC programming language. Corequisite: MATH 1545. A detailed study of the fundamental principles of thermodynamics applied to equilibria, physical state/phase diagrams, electromotive force, and solution phenomena. Three lectures and one three-hour laboratory period per week (must be taken concurrently with PHYS 3021). Same as CHEM 3023. Alternate years.

PHYS 3033. Electricity and Magnetism I. Prerequisite: PHYS 2211/2213; corequisite: MATH 3033 or consent of instructor. A study of time independent and dependent electric and magnetic phenomena using differential and integral vector field methods. Alternate years.

PHYS 3054. Modern Physics. Prerequisite: PHYS 2101/2103 or PHYS 2211/2213. An introduction to quantum and relativistic physics with applications in atomic, nuclear, and solid state physics. Four lecture hours per week. Alternate years.
PHYS 3103. Digital Electronics. Prerequisite: PHYS 2211/2213. A study of the principles and techniques of modern digital systems. The course covers the basic concepts of mathematical bases, combinational logic networks, flip-flops, counters, registers, interfacing of various digital families, and interfacing of analog systems. Same as ENGR 3103.

PHYS 3110. Advanced Physics Lab. Concurrent enrollment in PHYS 3112 required. Laboratory experience in optics and modern physics. Some topics include spectrometry, spectrophotometry, photoelectric effect, x-ray diffraction, radioactivity. Alternate years.

PHYS 3112. Advanced Physics Laboratory Theory. Prerequisite: PHYS 2101/2103 or 2211/2213 or equivalent. Theory of instrument operation, procedure for instrument operation and theory of the experimental design. Experiments selected from modern physics and optics. Concurrent enrollment in PHYS 3110. One hour lecture, two hours laboratory. Alternate years.

PHYS 3201. Physical Science Laboratory Techniques. Prerequisite: Consent of the department. Experiences in planning and assisting in chemistry, geology, and physics laboratory courses. For B.S.E. majors only.

PHYS 4003. Astronomy. Prerequisites: PHYS 2001/2003 or PHYS 2101/2103 or GEOL 1001/1003 and MATH 1023. Quantitative and conceptual understanding of space, properties of stars, planets, and galactic systems. Required for science teaching majors and minors. Lecture and observations, three hours weekly. Alternate years.

PHYS 4013. Optics. Prerequisite: PHYS 2101/2103 or PHYS 2211/2213; corequisite: MATH 1545. A study of geometrical, physical, and quantum optics. Alternate years.

PHYS 4023. Solid State Physics. Prerequisite: PHYS 2211/2213; corequisite: MATH 1545. A discussion of crystal structures and their relationships to electrical, magnetic, thermal, and mechanical properties of solids. Alternate years.

PHYS 4043. Physical Mechanics I. Prerequisites: MATH 1545 and PHYS 2201/2203 or equivalent. A course presenting topics in the advanced mechanics of one and two particle systems by Newtonian and Lagragian methods. Alternate years.

PHYS 4153. Fluid Mechanics. Prerequisites: PHYS 2211/2213 or equivalent and MATH 3033. The study of the kinematics and dynamics of fluids including gas laws, liquid and gas flow, Torricelli’s and Bernoulli’s Theorems, irrotational and rotational flow. On demand.

PHYS 4402. Integrated Sciences: Methods and Materials for Secondary School Teachers. Integrates content, concepts and activities, and materials and methods of teaching the life and physical sciences in the secondary school. National science standards, safety, teaching strategies, learning styles, and science curricula for secondary school science will be emphasized. Should be taken concurrently with BIOL 4402.

PHYS 4591-2, 4691-2. Independent Study in Physics. Prerequisite: Consent of the department. Experimental or theoretical investigations in an area of current physics research with faculty guidance. Project plan must be presented to the department chair for approval. Maximum credit toward graduation four hours. On demand.
PHYS 4791-3, 4891-3, 4991-3. Advanced Topics in Physics I, II, III. Prerequisite: PHYS 2101/2103 or PHYS 2211/2213 or consent of the department. Courses devoted to special topics in physics not treated in other courses. Maximum credit four hours. On demand.
Print Journalism (PJ)

PJ 2003. Basic News Writing. Prerequisites: MCOM 1003 or permission, ENGL 1113, and 30 wpm typing ability. Fundamentals for news reporting for print and broadcast. News values, journalism style/grammar, information gathering and news writing.

PJ 2103. Design I - Newspaper. Prerequisite: PJ 2003. Copy editing, headline writing, photo editing, and news value judgements for design and layout of newspapers. Operation of printing, typography, illustration, and other elements of layout. (Those enrolled are not allowed to receive financial compensation for work performed for campus media in meeting course requirements.)

PJ 2203. Advanced News Reporting. Prerequisite: PJ 2003. Evaluation of news sources and leads; interpretative and investigative reporting. Coverage of local government, courts, and social problems. (Those enrolled are not allowed to receive financial compensation for work performed for campus media in meeting course requirements.)


PJ 3103. Principles of Public Relations. Concept of public relations as management function in business, industry, education, and other institutions. History, practice, and ethics of public relations.

PJ 3203. Design II - Magazine. Prerequisite: PJ 2103. Designing and editing of newsletters, yearbooks, and magazines. Working with staff departments, budgets, and suppliers. Duties of industrial editors or school newspaper/yearbook advisors.

PJ 4033. Methods of Specialized News Reporting. Prerequisite: PJ 2203. Advanced coverage techniques for newspaper editorial divisions: science, education, sports, living (women's, food, travel), business.

PJ 4903. Senior Research Project. Prerequisite: Senior standing. To add to the graduate’s field of expertise, the student will write an extensive research paper. An oral quiz on the work will be required.

PJ 4913. Print Internship. Prerequisites: Completion of 12 hours of upper-class courses, senior standing, a minimum grade point average of 2.5 or higher, and permission of chair. Structured professional experience in commercial newspapers, public relations, or other print related areas. Must be arranged in advance.
Political Science (PSCI)


PSCI 2013. State and Local Government: Arkansas and the U.S. A survey of government in the fifty states with special application to Arkansas and with emphasis on intergovernmental relationships; problems of the executive, legislative, and judiciary; politics and elections; local and metropolitan government.

PSCI 3003. International Relations. A study of the global multi-state system's origins and future prospects; an analysis of techniques and forces governing international relationships.

PSCI 3011, 3111. Great Decisions. Analysis and discussion of contemporary problems in American foreign policy. May be taken for credit a second time.

PSCI 3033. American Political Parties. The role and functions of political parties of the United States with emphasis on party membership and organizations, nominations and elections, suffrage and voter behavior, interest-group politics, and relations with the executive and judiciary.


PSCI 3063. Public Administration: Analysis and Evaluation. An introduction to the methods of and conditions for policy analysis and project evaluation. This will include an examination of the strategies for effective policy development and analysis, as well as common means of project evaluation such as cost-benefit analysis and fair cost allocation schemes.

PSCI 3093. American Foreign Policy. A study of foreign policy's constitutional basis in the Executive and Congress; the special role of public opinion in the American democratic system; a survey of America's diplomatic history; and an analysis of contemporary foreign policy problems. Same as HIST 3093.

PSCI 3103. Western Thought I. A study of the principal currents of thought in Western culture to 1800 with an emphasis on examination of the texts of selected philosophers. Same as HIST 3103.

PSCI 3113. Western Thought II. A study of the principal currents of thought in Western culture since 1800 with an emphasis on examination of the texts of selected philosophers. Same as HIST 3113.

PSCI 3133. Research Methods. An introduction to basic methods of research in history and political science, emphasizing computer-based quantitative analysis of historical and political phenomena. Same as HIST 3133.
PSCI 3193. Political Geography. A systematic and regional analysis of political units, including regions and cities; evaluation of geographic phenomena in the internal structure and external relations of the world's countries. Attention is given to the problem areas of the world. Same as GEOG 3193.

PSCI 3923. The American Presidency. A study of the American presidency, emphasizing the historical evolution of the office, the presidential selection process, the roles of the president, presidential-congressional-departmental relationships, and the growth of presidential powers and responsibilities. Same as HIST 3923.

PSCI 4033. Legislative Processes. A study of the legislative process of city council, state legislature, and Congress; composition of membership, organization, and powers; and the relationship with other governmental bodies.

PSCI 4043. African-American Politics. A study of the experience of African Americans in politics in the United States. It includes analysis of the civil rights movement as well as African-American culture, political thought, and political participation on local, state, and national levels.

PSCI 4053. Comparative Public Policy. A study of the formation of public policy in developed and developing nations, alternative approaches to analyzing policy making, policy constraints, and selected public policies and decisions.

PSCI 4073. American Constitutional Law. A survey, using the case method, of principles, practices, and basic features of American constitutional law with emphasis on judicial review and the role of the Supreme Court, federalism, national powers, and individual rights. Same as CRJU 4073.

PSCI 4083. Global Issues. Analysis of selected international issues such as population, resources, conflict, communication, development, and human values, from a global perspective, emphasizing transnational and interdependent relationships.

PSCI 4203. Comparative Politics. A study of governing processes, policies, and contemporary political problems, comparing political systems around the world.

PSCI 4333, 4343. Advanced Topics in Political Science. Advanced topics in political science as chosen by the faculty. Students may take the course once under each number with different topics.

PSCI 4923. Political Science Internship. Prerequisite: senior standing and consent of department chair and instructor. This course provides a structured field experience in politics, government, and public policy. Students will be placed as interns with public agencies, political campaigns, or in private organizations interested in shaping public policy. Students will be required to complete assignments integrating scholarship with this practical experience. This course may not be used to satisfy requirements of the 36-hour major in political science. This course will be offered on demand.

Psychology (PSYC)

PSYC 2003. General Psychology. Prerequisite: Completion of 12 semester hours. Introduces the fundamental concepts and basic factual content of psychology. Students should gain a better understanding of their own behavior and that of other people.
PSYC 3013. Educational Psychology. Prerequisite: Junior standing required. A survey course designed to meet the needs of prospective teachers by bringing an application of psychological principles of learning to the instructional setting.

PSYC 3093. Physiological and Comparative Psychology. Prerequisite: PSYC 2003. A study of the comparative aspects of animal and human physiology and behavior, including the nervous system, sensory systems, endocrinology, and other topics.

PSYC 3123. Child Growth and Development. A study of the physical and mental growth of the child from infancy to adolescence. Special emphasis is placed on the social, emotional, motor development, interests, and imaginative activities of the child; development of children in various cultural environments is explored. Not open for credit to students who have taken PSYC 3223 Developmental Psychology.


PSYC 3183. Statistics. Descriptive and elementary analytical statistics, their concepts, and their application. Same as CRJU 3183, SOC 3183, and SWK 3183.


PSYC 3303. Cognitive Science. Prerequisite: PSYC 2003. An introduction to the conceptual bases of cognitive science, including topics from psychology, linguistics, ethology, and artificial intelligence. Same as CSCI 3303.

PSYC 4013. Psychological Measurement. Prerequisites: PSYC 2003 and PSYC 3183. A study of the principles of psychological measurement and their application in tests of intelligence, special aptitudes, personality, attitudes, and interests.

PSYC 4023. Industrial and Organizational Psychology. Prerequisite: PSYC 2003. A consideration of the application of psychology to such areas as personnel work, human engineering, motivation, job satisfaction, leadership, and organizational structure.

PSYC 4033. Abnormal Psychology. Prerequisite: PSYC 2003. A description and explanation of the varieties of mental abnormalities—psychotic, neurotic, affective, and personality disorders, and minor maladjustments—their causes, methods of treatment, and approaches to preventing psychological maladjustments.


PSYC 4053. Theories of Personality. Prerequisite: PSYC 2003. A study of the personality theories of Freud, Jung, Murray, Allport, Rogers, and others.

PSYC 4063. Social Psychology. Prerequisites: PSYC 2003 and junior standing. A study of how the thought, feeling, and behavior of individuals are influenced by the actual, imagined, or implied presence of others. Same as SOC 4063.

PSYC 4083. Adolescent Psychology. A study of the physical and mental growth of youth from emerging (middle school) adolescence through adolescence (high school) and the transition from childhood to adulthood. Effective learning and teaching strategies for the adolescent are emphasized. Not open for credit to students who have taken PSYC 3223 Developmental Psychology.

PSYC 4093. Professional Issues in Psychology. Prerequisite: PSYC 2003 or consent of the instructor. Introduces students to the world of psychology beyond the classroom. Students meet guest speakers who have completed a degree in psychology and who are currently employed in various occupations. Additionally, students learn interview skills, how to write a resume, and how to apply to graduate school.

PSYC 4113, 4213. Advanced Topics in Psychology. Prerequisite: PSYC 2003 or consent of the instructor. Advanced topics in psychology as chosen by the faculty. Students may take the course once under each number with different topics.

PSYC 4153. Research Methods II. Prerequisite: PSYC 3153. Advanced study of the experimental procedures and designs, laboratory apparatus, and the treatment of experimental data. Students design, conduct, analyze, and present orally and in writing the results of an original research project.

PSYC 4873. Honors Seminar. Prerequisite: PSYC 4153, 3.00 grade point average or higher or consent of the chair. This course allows students to pursue a research project under the supervision of a faculty member. Projects may be derived from previous coursework, but must be substantially different. Students work independently and meet as a group six times. The research project must be presented at a state level professional meeting.

PSYC 4883, 4893. Field Practicum. Prerequisites: second semester junior standing, 15 hours credit in major field, approval of a Practicum Committee, and completion of ENGL 1113 and ENGL 1123 with a grade of C or better. A structured field experience relevant to the student's major and anticipated occupational field, designed to give the student a representative perspective of the theory, methods, and problems in the practicum area.

Recreation (REC)

REC 2710. Organization and Administration of Intramural Sports Lab. To accompany REC 2712.

REC 2712. Organization and Administration of Intramural Sports. Prerequisite: Sophomore standing or permission of instructor; corequisite: REC 2710. A critical analysis of intramural sports programs on all levels stressing objectives, student welfare and participation, and problems of administration, scheduling, and budgeting. Lectures, readings, discussion, and actual experience in officiating school and college intramural sports with emphasis on rules and their interpretation and modifications.
REC 2723. Fall Outdoor Recreational Activities. Provides the student with knowledge and skill in the activities of orienteering, hiking and hunting. Safety rules, survival tips, and compass/map reading are stressed.

REC 2733. Spring Outdoor Recreational Activities. Provides the student with knowledge and skill in the activities of fishing, camping, and back-packing. Safety rules, survival tips, and fishing techniques are stressed.

REC 3613. School and Community Recreation. Prerequisites: Skills courses completed, junior standing, and permission of instructor. A study of community, school, and industrial recreation—its scope, function, and need in modern life. Emphasis given to individual, family, and small group opportunities and survey of recreation-sponsoring agencies and their programs.

REC 3642. Camping and Camp Counseling. Prerequisites: HS 1403, PSYC 2003, and consent of instructor. Introduction to the principles, status, and programs of outdoor education and camping. Investigation of the responsibilities and duties of the counselor in various types of camps. Some practical experience in basic campcraft skills. A weekend camp workshop experience will be included in the course.

REC 3653. Leadership in Recreation. A study of the philosophy and fundamental principles of effective recreational leadership in programs for private, public, and institutional settings.

REC 3663. Leisure and Aging. A study of the aging process as related to leisure and recreation. Specifically, it involves the aspects of the nature, functions, environment and resources as related to recreational and leisure opportunities for elderly citizens.

REC 4652, 4663. Recreation Practicum I, II. Prerequisites: senior standing in HKR and consent of department chair. A course devoted to providing opportunities for the student to gain experience in practical recreation programming. Experience in observing behavioral tendencies and directing activities of participants through work in Boys' and Girls' Clubs, Boy and Girl Scouts, church related recreation, YMCA, YWCA, nursing homes, city recreation, industrial recreation, etc. Same as ESCI 4652, 4663.

Russian (RUSS)

RUSS 1003. Modern Russian I. An introductory course in contemporary Russian concentrating on speaking proficiency.

RUSS 1013. Modern Russian II. A course in contemporary Russian concentrating on speaking proficiency. Continuation of RUSS 1003 Modern Russian I.

RUSS 2003. Russian Studies I. A course of directed readings on contemporary Russia associated with a month's residence in Moscow.

RUSS 3003. Russian Studies II. Independent studies. A course of independent study associated with a month's residence in Moscow.
Secondary Education (S ED)

All junior- or senior-level education courses are open only to students who have been formally admitted to the Professional Education Program in the School of Education.

S ED 3002. Supervised Field Experience Level II. A planned, supervised pre-student teaching experience in the classroom or appropriate school setting. Includes one hour per week class and 48-60 hours per semester working in the assigned school setting. Must be taken concurrently with methods and materials class.

S ED 3003. The Secondary and Middle School Curricula. A study of concepts and theories of secondary and middle school curricula development in a multi-cultural society. The focus will include the roles of various groups in curriculum planning, social and cultural factors in planning, the availability and organization of knowledge, factors involved in selecting appropriate curricula designs and models, a study of exceptionalities, and selection of software to utilize computers in instruction.

S ED 3013. Methods and Materials in Secondary and Middle School English and Speech. Special materials, software, and techniques for the teaching of English and speech. Must be taken concurrently with S ED 3002 Supervised Field Experience Level II. Spring semester only.

S ED 3023. Methods and Materials in Secondary and Middle School Art. Special materials and techniques for the teaching of art K-12. Must be taken concurrently with S ED 3002 Supervised Field Experience Level II.

S ED 3083. Methods of Teaching in Secondary and Middle School. A general methods and techniques course for alternative licensure plans.

S ED 3113. Methods and Materials in Secondary and Middle School Mathematics and Sciences. Prerequisite for science majors: BIOL 3003 or PHYS 3003. Special materials and techniques for the teaching of mathematics and science. Must be taken concurrently with S ED 3002 Supervised Field Experience Level II.

S ED 3123. Methods and Materials in Secondary and Middle School Business and Related Vocational Subjects. Special materials and techniques for the teaching of business and related vocational subjects. Must be taken concurrently with S ED 3002 Supervised Field Experience Level II.

S ED 3302. Supervised Field Experience - Health, Kinesiology, and Recreation. Corequisite: S ED 3723. A planned, supervised pre-student teaching experience in the classroom or appropriate school setting. Will include one hour class per week plus 48-60 hours in the assigned public school setting.

S ED 3313. Methods and Materials in Secondary and Middle School Social Studies. Special materials and techniques for the teaching of social studies. Majors must concurrently enroll in S ED 3002 Supervised Field Experience Level II.
S ED 3713. Methods and Materials in Secondary and Middle School Foreign Languages. Special materials, software, and techniques for the teaching of foreign languages. Majors must concurrently enroll in S ED 3002 Supervised Field Experience Level II.

S ED 3723. Methods and Materials in Secondary and Middle School Health, Kinesiology, and Recreation. Prerequisites: Junior standing in HKR; satisfactory proficiency in HKR 1113, HKR 1123, HKR 2113, and HKR 2123; and consent of department chair. Special materials and techniques for the teaching of physical and health education and recreation. Must be concurrently enrolled in S ED 3302.

S ED 4006. Student Teaching in the Secondary School I. Prerequisite: Approval by the Director of Student Teaching, admission to the Professional Education Program with no deficiencies, and approval of completed application. A planned, supervised student teaching experience for the college senior or student completing the teacher education/licensure program. Part I is the first half of the 12 weeks, full days requirement. Must be enrolled concurrently in full block with S ED 4016 or SPED 4016 and EDUC 4003. Student Teaching Block.

S ED 4016. Student Teaching in the Secondary School II. Prerequisite: Completion of S ED 4006 Part I (see above). Part II is a continuation of the supervised student teaching assignment in the public school classroom or an appropriate school setting. Must be concurrently enrolled and complete the Student Teaching Block of S ED 4006 plus EDUC 4003. Student Teaching Block.

S ED 4203. Reading Strategies for Secondary and Middle School. Prerequisite: S ED 3003. Comprehensive study of the reading process, reading in the content fields, teaching materials and techniques, and improving comprehension.

Sociology (SOC)

SOC 1003. General Anthropology. An introduction to cultural anthropology, the study of culture and man in all times and all places. Major topics are the concept of culture itself, man as a culture bearing animal, and various aspects of culture such as language, social organization, economy, technology, and religion as they appear in primitive and modern societies.

SOC 2003. Introduction to Sociology. Introduces students to the scientific study of human society and human social behavior. Topics include theory, culture, socialization, social institutions, social deviance, social stratification, and others.

SOC 3003. Cultural Diversity. An examination of the nature of minority group relations, including sexual orientation, age, gender, religious, ethnic, and racial based experiences. Issues such as discrimination and dominant-minority group interaction are considered from a historical as well as contemporary perspective. Same as CRJU 3003 and SWK 3003.

SOC 3013. Social Problems. Prerequisite: SOC 2003 (Nursing students are exempt.) A sociological study of societal problems including social inequity, institutional abuse of power, population and environment, social deviance, race relations, crime, and others.
SOC 3033. Sociology of Marriage and Family. A sociological study of marriage, family, and kinship both cross-culturally and within American society. Additional social phenomena examined include socialization, sexuality, sex roles, mate selection, love relationships, types of marriages, marital conflict and interaction, and others.

SOC 3043. Anthropology: Man in Prehistory. An introduction to physical anthropology and archaeology covering basic concepts in physical anthropology; the origins, evolution and racial development of man; basic concepts in archaeology; and the development of culture from the early Pleistocene up through the dawn of recorded history.

SOC 3143. Anthropology: The North American Indian. The archeology, ethnology, and history of North American Indians from the time of their arrival on this continent prior to 12,500 B.C. down to the present century. Same as HIST 3143.


SOC 3183. Statistics. Descriptive and elementary analytical statistics, their concepts, and their application. Same as CRJU 3183, PSYC 3183, and SWK 3183.


SOC 4053. Criminology. Prerequisites: SOC 2003 and junior standing. A study of the nature, causes, and extent of crime, the prevention and treatment of crime, and processes of criminal justice. Same as CRJU 4053.

SOC 4063. Social Psychology. Prerequisites: SOC 2003 and junior standing. A study of how the thought, feeling, and behavior of individuals are influenced by the actual, imagined, or implied presence of others. Same as PSYC 4063.

SOC 4073. Social Gerontology. Prerequisites: SOC 2003 or SWK 2043 and junior standing (Nursing students are exempt.) An interdisciplinary course offering the study of the lifelong aging process, the changing social context of later life, societal response to the aged and services available. Same as SWK 4073.

SOC 4093. Research Methods in Sociology. Prerequisites: SOC 2003, SOC 3183, and junior standing. A study of the language, basic concepts, methods, and problems associated with the securing and analysis of social data. Students design and conduct an original research project.

SOC 4133, 4233. Advanced Topics in Sociology. Prerequisites: Sociology major or minor; 15 hours in sociology with a grade point average of 3.00 or higher in sociology courses and consent of the instructor. A course devoted to special topics in sociology not treated in other sociology courses. Students may take the course once under each number with different topics.
Spanish (SPAN)

SPAN 1014, 1024. Elementary Spanish I, II. A functional approach to the acquisition and development of aural, oral, reading, and writing skills through the study and mastery of basic grammatical concepts. Regular work in the language laboratory. SPAN 1014 or the equivalent is prerequisite for SPAN 1024.

SPAN 2033, 2043. Intermediate Spanish I, II. Prerequisite: SPAN 1024 or placement exam. Continues with the development of both receptive and productive skills simultaneously. Readings and discussions of representative contemporary authors. Spanish is used in this course and reinforced with clarification in English.

SPAN 3003. Spanish for Business and Finance. Prerequisite: SPAN 2043. A course for those in the business field or who are planning to pursue a business career. Stress is on commercial correspondence, with the student preparing applications, memoranda, resumes, contracts, business forms, banking transactions and business letters in the Spanish language. This course is taught in Spanish.

SPAN 3163. Composition and Conversation. Prerequisite: SPAN 2043 or the consent of the instructor. Written compositions aimed at developing the student's ability to organize material in Spanish. Conversational practice, oral presentations on a variety of topics and oral interviews with Spanish-speaking individuals, aimed at helping the student acquire and develop facility in the spoken language. Discussion of topics of daily interest, including Spanish contributions to literature, art, music, and drama. This course is taught in Spanish.

SPAN 3173. Advanced Composition and Conversation. Prerequisite: SPAN 3163 or the consent of instructor. A continuation of SPAN 3163 with a primary emphasis on improving fluency. This course is taught in Spanish.

SPAN 3313. Modern Spanish Literature. Prerequisite: SPAN 2043. Representative works from 1898 to the present. Lectures, discussions, oral and written analyses, and a term paper. This course is taught in Spanish.

SPAN 3423. Modern Spanish American-Literature. Prerequisite: SPAN 2043 or the consent of instructor. A study of the "modernista" movement in Spanish-American literature, including a study of the inspiration, influence, and objectives of the principal writers. Lectures, discussions, oral and written analyses, and a term paper. This course is taught in Spanish.

SPAN 3513. Modern Spanish Drama. Prerequisite: SPAN 2043 or its equivalent. Reading of selected Spanish plays from the nineteenth and twentieth centuries, including plays from the Romantic, realistic, and naturalistic periods, through the "theatre of evasion" of the twentieth century. Lectures, discussions, oral and written analyses, and a term paper. This course is taught in Spanish.

SPAN 3623. The Hispanic Novel. Prerequisite: SPAN 2043 or its equivalent. Reading and analysis of selected novels from the various periods of the nineteenth and twentieth centuries, with emphasis on the specific characteristics of the genre in each period. Lectures, discussions, oral and written analyses, and a term paper. This course is taught in Spanish.
SPAN 3973. Spanish Phonetics. Prerequisite: SPAN 2043 or its equivalent. Analysis of Spanish sound production, drill in conversational speech and intonation, use of literary selections in prose and verse.

SPAN 3983-6. Spanish Internship. Prerequisite: SPAN 2043 or the equivalent. A structured and supervised field experience in the Spanish language and culture designed to integrate classroom theory and/or academic learning with learning in a job site, as well as to develop functional and personal skills, and strengthen future professional skills and gain a competitive edge in the job market.

SPAN 3993. Advanced Spanish Grammar. Prerequisite: SPAN 2043 or consent of instructor. An intensive course in the origin and development of the Spanish language. Highly recommended for students preparing for the teaching field. Oral presentations and a term paper. This course is taught in Spanish.

SPAN 4513. Spanish Civilization. Prerequisite: SPAN 2043 or its equivalent. A study of the most significant aspects of the three thousand years of Spanish history and its contribution to Western civilization. The course is designed to stimulate thought on the political and cultural issues which constitute the major themes of Spanish history. This course is taught in Spanish.

SPAN 4623. Spanish-American Civilization. Prerequisite: SPAN 2043 or its equivalent. A study of the intellectual heritage beginning with the Indian cultures in the New World. Major problems that confront Latin America. This course is taught in Spanish.

SPAN 4813. Spanish Literature before 1700. Prerequisite: SPAN 2043 or its equivalent. Representative works of writers such as Cervantes, Garcilaso de la Vega, Fray Luis de Leon, Lope de Vega, Calderon de la Barca, and others. Lectures, discussions, oral and written analyses, and a term paper. This course is taught in Spanish.

SPAN 4823. Spanish Literature 1700 to 1898. Prerequisite: SPAN 2043 or its equivalent. Representative works of writers such as Espronceda, Zorrilla, Becquer, Juan Valera, and others. Lectures, discussions, oral and written analyses, and term paper. This course is taught in Spanish.

SPAN 4911-3. Directed Reading in Spanish. Prerequisite: 18 semester hours of Spanish. Individual reading program to be worked out with instructor. One to three hours credit as arranged at registration.

SPAN 4993. Contemporary Hispanic Life and Culture. Prerequisite: SPAN 2043 or consent of instructor. A course offering practical experiences of contemporary Spanish and Spanish-American life and culture. Presentations, films, documentaries, readings, discussions, demonstrations, and dramatizations of cultural interactions. Students will learn to converse about current issues, understand the cultural mores, and function effectively within Spanish and Spanish-American society. For upper-division Spanish credit, the readings will be in Spanish; class discussions will be in English. Offered concurrently with MCUL 4993; students cannot receive credit for both MCUL 4993 and SPAN 4993.
Speech (SPCH)

SPCH 1113. Principles of Speech. Principles of effective speaking; emphasis on both transmission and reception of the communicative process; the speaking mechanism and delivery.

SPCH 2033. Voice and Diction. A lecture-laboratory course in the use of the speaking voice in presentation and performance, including clarity, projection and the use of dialects with emphasis upon individual improvement for teaching, business and the stage. Same as THEA 2033.

SPCH 3353. Oral Interpretation. Oral reading of prose, poetry, and drama, with emphasis on interpreting thought and emotional content. Same as THEA 3353.


Special Education (SPED)

Note: Students using special education as a field of specialization must complete all required special education courses before enrolling in student teaching.

SPED 3072. Survey of Exceptional Children. An overview of the various types of exceptional children. Emphasis is placed on characteristics, identification, cooperating agencies, and educational programming. Includes skills in IEP’s and inclusion.

SPED 4013. Adapted Kinesiology. A study of individual education for typical and atypical students, basic materials, methods, and principles of a graded program of general class activities and special adaptive education and therapeutics of recreation for the disabled and handicapped.

SPED 4016. Student Teaching in Special Education, Mild Disabilities. To be taken as part of the Student Teaching Block.


SPED 4033. Methods of Teaching the Gifted and Talented. Prerequisite: SPED 4023. Curriculum, instructional methods, and development of programs and materials.

SPED 4043. Inclusive Education. Taught concurrently with other methods courses so students can apply concepts being learned.

SPED 4073. Survey of Exceptional Children. An overview of the various types of exceptional children. Emphasis is placed on characteristics, identification, cooperating agencies, and educational programming. Includes skills in IEPs and inclusion.
SPED 4123. Nature and Needs of Students with Mild Disabilities. Prerequisite: SPED 4073. A concentrated study of the individual who has mild disabilities including etiology, growth patterns resulting from physical, mental, and cultural disabilities, contributions of medical science, and techniques of behavior management.

SPED 4143. Methods and Materials for Teaching Students with Mild Disabilities. Prerequisite: Six hours of special education courses. The implementation of educational strategies, techniques, and instructional material; experimental and instructional procedures of programming for the mildly disabled; and clinical micro-teaching are featured.

SPED 4253. Introduction to Speech Language - Pathology. Prerequisite: SPED 4073. A study of the fundamental concepts of language development, speech disorders, therapy practices, and problems relating to the speech disabled child. Emphasis is placed on language/articulation disorders.

SPED 4273. Classroom and Group Management. Introduction to basic principles of behavior modification and contingency management. Procedures of conditioning, reinforcement, token economy, and self-control as applied to individuals and groups in a variety of settings with emphasis on discussion of research, application, and ethics. Same as EDUC 4273.

SPED 4663. Educational Diagnostic Measurement. Prerequisite: Six hours of special education. This course must be completed before enrolling in student teaching. A study of specific diagnostic procedures, prescriptive remediations, and evaluative programming for the disabled child.

Social Work (SWK)

SWK 2043. Introduction to Social Work. Generalist social work practice and its application in a variety of social work settings. An introduction to (1) social welfare and the development of social work as a profession; (2) the knowledge, value, and skill base of social work; and (3) special populations and concerns in social work.

SWK 3003. Cultural Diversity. An examination of the nature of minority group relations, including sexual orientation, age, gender, religious, ethnic, and racial based experiences. Issues such as discrimination and dominant-minority group interaction are considered from a historical as well as contemporary perspective. Same as CRJU 3003 and SOC 3003.

SWK 3023. Human Behavior in the Social Environment I. Pre- or co-requisite: SWK 2043. Theories and knowledge of human biological, psychological, and social processes as viewed from the micro- and mezzo-level perspectives with an emphasis on individual and family development.

SWK 3033. Human Behavior in the Social Environment II. Pre- or co-requisite: SWK 2043. Theories and knowledge of human biological, psychological, and social processes as viewed from the mezzo- and macro-level perspectives with an emphasis on group and community development.
SWK 3053. Social Work Practice and Technology. Prerequisite: SWK 2043. A review of selected technologies that can be used to assist the social worker in practice. Some of the technologies explored are the computer, World Wide Web, FTP, e-mail, list servers, and network servers.

SWK 3063. Rural Social Work. Prerequisite: SWK 2043. A focus on the understanding of the unique dynamics needs and problems of the rural community. An examination of interventions and policy considerations in the practice of social work in rural settings.

SWK 3113. Social Policy. Prerequisites: SWK 2043, ECON 2003, PSCI 2003; pre- or co-requisite: SOC 3103. An examination of the purpose, development, and implementation of social policy. The relationships between social policy, ethics, and the goals of the social work profession are examined.

SWK 3123. Social Work Practice I. Prerequisites: SWK 3023, PSYC 2003, BSCI 1013/1011, SOC 3003; pre- or co-requisite: SWK 3003. An emphasis on basic social work skills including (1) knowledge and techniques in interviewing and establishing the helping relationship, (2) understanding the application of the problem-solving process, and (3) social work as practiced in an agency setting. This course is available to social work majors only.


SWK 3183. Statistics. Descriptive and elementary analytical statistics, their concepts, and their application. Same as CRJU 3183, PSYC 3183, and SOC 3183.

SWK 3193. Field Observation Experience. Pre- or co-requisite: SWK 2043. This course is offered to social work majors prior to having been admitted into the social work program. The course is designed to provide an overview of the practice of social work in the field and the network of social services/human resources delivery systems.

SWK 4063. Research Methods for Social Workers. Prerequisite: SWK 3153. A systematic approach that integrates the essential components needed to successfully conduct research in human services and social work practice.

SWK 4073. Social Gerontology. Prerequisites: SOC 2003 or SWK 2043 and junior standing (Nursing students are exempt.) An interdisciplinary course offering the study of the lifelong aging process, the changing social context of later life, societal response to the aged, and services available. Same as SOC 4073.

SWK 4083. Family Centered Child Welfare. Prerequisite: SWK 2043. Introduction to the concepts of family preservation, risk/safety assessment, and case management with emphasis on intervention strategies and services provided through child welfare agencies and related policy issues.

SWK 4123. Social Work Practice II. Prerequisites: SWK 3123 SWK 3033, SWK 3113. A study of the skills needed in assessment, planning, contracting, and evaluating in the generalist model. Each skill is related to the need for professional documentation along with ethical and legal considerations.
SWK 4131. Field Practicum Seminar I. Corequisite: SWK 4864. Companion course for Field Practicum I allowing students to process their field experiences and integrate theory and practice.

SWK 4141. Senior Seminar. Prerequisite: consent of the instructor. A weekly seminar to assist the senior student in transitioning from the student role to the professional role with an exploration of some of the possible difficulties. Issues such as obtaining employment, ethics, burnout, and establishing a support network will be covered.

SWK 4173. Advanced Topics in Social Work I. Prerequisite: consent of instructor. Topics of special interest to social work and the generalist model. Topics vary each time offered.

SWK 4183. Advanced Topics in Social Work II. Prerequisite: consent of instructor. Topics of special interest to social work and the generalist model. Topics vary each time offered.

SWK 4223. Social Work Practice III. Pre or co-requisites: SWK 3123, SWK 4183. This course is an examination of problems confronting geographic communities and the techniques social workers employ to address such problems. Various communities are considered in the practice content with an emphasis on the rural mezzo and macro practice.

SWK 4231. Field Practicum Seminar II. Prerequisite: SWK 4131; corequisite: SWK 4874. This course will focus on issues directly involved in working with agency staff, individuals, families, groups, collaborations, teams, and other disciplines. Outside readings and Internet searches focusing on the designated topics will be assigned weekly to prepare for the following week's discussion. Experiential exercises designed to facilitate self-growth and awareness of students will focus on using various tools and techniques compatible with the topics. An in-depth case presentation from the field practicum will be required.

SWK 4331. Field Practicum Seminar III. Prerequisite: SWK 4231; Pre or co-requisite: SWK 4874. This course will focus on issues directly involved in working with agency staff; individuals, families, groups, collaborations, teams, and other disciplines. Outside readings and Internet searches focusing on the designated topics will be assigned weekly to prepare for the following week's discussion. Experiential exercises designed to facilitate self-growth and awareness of students will focus on using various tools and techniques compatible with the topics. An in-depth case presentation from the field practicum will be required.

SWK 4864. Field Practicum I. Prerequisite: SWK 3123; pre- or co-requisite: SWK 4123, SWK 4223; corequisite: SWK 4131. Field study designed to provide students with an understanding of the practice of social work in varied settings and populations. Students will be placed in multiple public or private agencies or institutions to gain an appreciation of the generalists practice model.

SWK 4874. Field Practicum II. Prerequisite: SWK 4864; corequisite: SWK 4231. The purpose of this course to provide students the opportunity to synthesize knowledge, theory, and practice in a generalist practice model in direct work within a social work setting. SWK 4874 must be taken in the term immediately prior to taking SWK 4884.
SWK 4884. Field Practicum III. Corequisite: SWK 4331. This course is a continuation of field SWK 4874. The purpose of this course is to provide students the opportunity to synthesize knowledge, theory, and practice in a generalist practice model in direct work within a social work setting. SWK 4884 must be taken in the term immediately following SWK 4874.

Theatre (THEA)

THEA 1001, 2001, 3001, 4001. Encore. A work course which includes production techniques and practices for a touring entertainment company. Each course may be taken for credit once only.

THEA 1101, 2101, 3101, 4101. Theatre Dance. Individualized and group instruction in various types of dance for the theatre. May receive credit for dance and/or choreography in spring musical. Each course may be taken for credit once only.

THEA 1103. Introduction to the Theatre. A survey of theatre history and principles and techniques of theatre and an introduction to theatre terminology.

THEA 1301, 2301, 3301, 4301. Theatre Practicum. Practical experience in theatrical productions. Open to the cast and crew of each major play. Each course may be taken for credit once only.

THEA 2013. Dance and Stage Movement. Study and practice of basic elements of dance; emphasis on modern dance and dance as it might be used in the theatre.

THEA 2033. Voice and Diction. A lecture-laboratory course that develops the speaking voice for performance and any public presentation. Topics covered include breathing, projection, clarity and articulation, and non-regional speech. One dialect is introduced. Emphasis is on individual improvement and development.

THEA 2606, 4606. Summer Theatre Workshop. An in-depth study of theatre through the production of major plays for public presentation. May be taken only once for credit.

THEA 2613. Stagecraft. Stage scenery, lighting, and basic design principles and procedures; theory and practice.

THEA 2633. Fundamentals of Acting. This course is an introduction to the essential tools of the actor. The ability to live truthfully within imaginary circumstances is developed through exercises that augment imagination, relaxed readiness, concentration, and awareness. Script and character analysis are introduced and culminate in a public performance of a scene.

THEA 3353. Oral Interpretation. Oral reading of prose, poetry, and drama with emphasis on interpreting thought and emotional content. Same as SPCH 3353.


THEA 3593. Studies in Musical Theatre. Prerequisite: THEA 2013 or permission of instructor. Studies in theatre subjects drawn from musical theatre, dance, and mime.
THEA 3613. Costume and Make-up. A study of the basic principles of stage costuming and make-up, theory and practice.

THEA 3633. Advanced Acting. Prerequisite: THEA 2633 or permission of instructor. This course continues the work initiated in THEA 2633. Scene study, monologues, and audition technique are emphasized. The semester culminates in a public performance of scenes and monologues.

THEA 3643. Theatre History I: Origins to 1600. Survey of the development of the physical theatre, presentation means and styles, origins and characteristics of tragedy and comedy, and representative plays from different periods of major playwrights.

THEA 3653. Theatre History II: 1600 to the Present. Survey of the development of the physical theatre, presentation means and styles, origins and characteristics of tragedy and comedy, and representative plays from different periods of major playwrights.


THEA 3813. Directed Study in Theatre. Prerequisite: Permission of instructor and department head. Individually designed to meet needs of students concentrating in drama.

THEA 4613. Design for the Theatre. Prerequisite: THEA 2613. Principles of design, scenic design principles and procedures, completion of design project.

THEA 4633. Directing. This course introduces the building blocks of the director’s process with emphasis on understanding and clarifying story and dramatic action. This is achieved by studying script analysis, understanding symbolic images, blocking and stage composition, working with actors and designers, and creation of a director’s script. Each student directs a short play at the end of the semester.

THEA 4663. The American Theatre. The study of the development of drama and the theatre in the United States from Colonial times to the present.

THEA 4913. Theatre Internship. Prerequisites: Completion of 12 upper-class hours in theatre, senior standing, and a minimum grade point average of 2.5 or higher. Structured experience in a professional or university setting other than Southern Arkansas University in performance, production, stage management, costuming, or other areas of theatre.

THEA 4923. Project in Theatre. Prerequisites: Senior standing and permission of theatre faculty. Major project in production: set design, costume design, lighting, directing, acting, play writing, management. Students will be responsible for complete production workbook.

THEA 4933. Special Problems. Prerequisite: Permission of department chair. Topics chosen from areas in technical theatre, lighting or scene design, sound, costume design, stage management, or any other related technical area.
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Jamie Dodson                     Earl Miller                          Carla Williamson
Del Duke                         Ashley Moore                         David Wingfield
Dan Edwards                      Essie Moore                         Donald Wray
Velma Edwards                    Linda Mullins                        Cindy Young
Crystal Evans                    Kevin Murphy
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   B.S., M.S., Ph.D., Oklahoma State University

Adcox, Jay, 1986........................................... Assistant Professor of Kinesiology,
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   B.S., Missouri Western State College; M.S.E., Northwest Missouri State University

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   B.S., State University of New York, New Paltz; M.S., West Virginia University;
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Allen, Donna Y., 1990 ................................. Vice President for Student Affairs
   Associate Professor of Education and member of Graduate Studies Faculty
   A.A., Phillips County Community College; B.S.E., Delta State University; M.S.,
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Ambler, Richard Melvin, 1979 .......................... Assistant Professor of Sociology
   B.S., Sam Houston State University; M.S., Texas A & M University; Ph.D.,
   Oklahoma State University

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   B.S.N., University of Louisiana at Monroe; M.S.N., Northwestern State University
   of Louisiana

Ashby, J. David, 1992 ....................... Associate Professor of Economics and Finance
   Chair, Department of Economics and Finance
   B.B.A., Southern Arkansas University; M.B.A., University of Mississippi; D.B.A.,
   Louisiana Tech University; C.F.P., C.P.A.

Avard, Joseph L., 1989 ................................. Professor of Mathematics
   Member of Graduate Studies Faculty
   B.S., Southeastern Oklahoma State University; M.S., Ed.D., Oklahoma State
   University

Babbitt, Paul R., 2001 ................................. Assistant Professor of Political Science
   A.B., Haverford College; M.A., Ph.D. Rutgers University

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   B.S., Mississippi University for Women; M.Ed., Mississippi State University;
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Bates, Gina D., 1996 ................................. Instructor of Psychology
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   B.S., Southern Arkansas University; M.A.P., University of Arkansas at Little Rock
Bates, Joe Alvin, 1965 .................................................... Professor of Psychology
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Becnel, Jane F., 1993 ..................................................... Instructor of Writing
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Belcher, Lynne R., 1990 ................................................. Professor of English
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Benson, Kathryn M., 2001 ...... Assistant Professor of Curriculum and Instruction
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   B.S.E., University of Arkansas at Monticello; M.Ed., Ed.D., University of Arkansas

Clanton, Stacy M., 1991........................................Professor of English
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   B.A., William Jewell College; M.M., Peabody College of Vanderbilt University;
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Daniels, James Timothy, 1995.........................Associate Professor of Biology
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Dudley, John E., 2000 .................................. Assistant Professor of English
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Herzog, Brad D., 1996 Assistant Professor of English
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Horne, Ann G., 1996 Associate Professor of Agricultural Education
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Horne, Jeffrey W., 1993 Associate Professor of Agricultural Education
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Horton, Marshall J., 1999 Associate Professor of Economics
Puterbaugh Professor of Free Enterprise
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Hurst, Ginger Carol, 1977 Associate Professor of Health, Kinesiology,
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Jackson, Mary, B., 1990 Assistant Professor of Nursing
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National Council for the Accreditation of Teacher Education Coordinator
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Johnson, Ben F. III, 2001 Associate Professor of History
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Laurendine, Shawna L., 2001 ............ Instructor of Health, Kinesiology, and Recreation; Head Volleyball Coach
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Ochs, Steven, 1991 ......................... Associate Professor of Art
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Porterfield, Lewis Tellis, 1962....... Instructor of Agriculture and Farm Foreman  
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Quinn, Steven Meridieth, 1997 .................... Instructor of Kinesiology  
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Rankin, David Foster, 1968 .......................... President  
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Rasmussen, James, 1991 ........................... Professor of Biology  
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Rasmussen, Mona L., 1998 ......................... Instructor of Biology  
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Schambach, Frank Ferdinand, 1968...............Professor of Anthropology
   SAU Survey Archeologist
   B.A., Bard College; M.A., Ph.D., Harvard University

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   B.A., M.A., Truman State University; Ph.D., Northern Illinois University

Selman, Linda Elizabeth Rushton, 1976............Associate Professor of English
   A.A., Sullins College; B.A., M.A., Ph.D., University of Arkansas

Shehada, Hasan A., 1987.................................Professor of Mathematics
   Member of Graduate Studies Faculty
   B.S., Cairo University; M.S., Atlanta University; M.A., Ph.D., University of Georgia

Shirey, Kim F., 1995.................................Associate Professor of Music
   Chair, Department of Music
   B.M., College of Wooster; M.M., University of Oklahoma; Ph.D., Ohio State University
Shirey, Laura H., 2000 ........................................... Assistant Professor of Nursing
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Smelser, Jason M., 2001 ................................. Instructor of Health, Kinesiology,
   and Recreation; Assistant Football Coach
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Stout, R. Scot, 2000 .................................................... Associate Professor of Art
   Chair, Department of Art
   B.F.A., M.F.A., Stephen F. Austin State University

Suggs, Donald Wayne, 1994 .................. Associate Professor of Chemistry
   B.S., Ph.D., University of Georgia

Sutherland, Matthew S., 2001 ...................... Instructor of Mathematics
   B.S., Heidelberg College; M.S., Bowling Green State University

Taylor, Donnis M., 1996 .............................. Assistant Professor of English
   B.S., M.A., Louisiana Tech University; Ph.D., University of Louisiana at Lafayette

Terry, Robert Arthur, Jr., 1973 ......................... Professor of English
   B.A., Hendrix College; M.A., University of Arkansas; Ph.D., University of Arizona

Thomason, Jonathan, 2001 .................. Assistant Professor of Health, Kinesiology,
   and Recreation; Chair, Department of Health, Kinesiology, and Recreation
   B.S., M.S., University of North Texas; Ph.D., University of Arkansas

Thurlkill, Mary F., 1997 ................................. Assistant Professor of History
   B.A., M.A., University of Arkansas; Ph.D., University of Indiana

Todd, Terrye Adcox, 1980 ....................... Dean, School of Business Administration
   L.J. Blanchard Professor of Accounting
   B.B.A., Southern Arkansas University; M.B.A., D.B.A., Louisiana Tech University; C.P.A.

Tollett, James T., 1990 ................................. Professor of Agriculture
   Chair, Department of Agriculture
   A.A., Southern Arkansas University; B.S.A., M.S.A., University of Arkansas; Ph.D.,
   University of Illinois
Tommerup, Timothy A., 2000 ......................... Instructor of Health, Kinesiology, and Recreation; Curriculum Director of Athletic Training
B.S., Eastern Washington University; M.S., Louisiana State University

Toms, Lisa C., 1998 ........................................... Assistant Professor of Marketing
B.B.A., Southern Arkansas University; M.B.A., Louisiana Tech University

Trexler, Anna Ruth, 1963 ....................... Professor of Management and Business Communications; Chair, Department of Management and Marketing; and member of Graduate Studies Faculty
B.S., Southeastern Oklahoma State University; M.S., Oklahoma State University; Ed.D., University of Arkansas

Vasser, Judith Suzanne, 1980................................. Assistant Professor of Theatre and Mass Communication
B.S.E., M.A., University of Arkansas

Veach, Daniel T., 1988 .................. Assistant Professor of Education
Head Cross-Country and Track Coach
B.S.E., Southern Arkansas University; M.Ed., Auburn University

Waterfield, W. Douglas, 2000................................. Assistant Professor of Art
B.F.A., Louisiana Tech University; M.A., Louisiana State University

Watson, Ronald K., 2000 .................. Instructor of Computer Information Systems
B.S., Southern Arkansas University; M.B.A., University of Arkansas at Little Rock

Watt, Donald A., 1990 ...................... Dean, School of Liberal and Performing Arts
Associate Professor of Political Science and Geography
B.S., Mount Union College; M.A., M.Div., Pacific School of Religion; M.A., Ph.D., University of Pennsylvania

White, Gayle Webb, 1966................................. Professor of Management
Turner Professor of Management and member of Graduate Studies Faculty
B.S.E., Southern Arkansas University; M.B.E., Ed.D., University of Mississippi

White, Scott R., 2000................................. Assistant Professor of Chemistry
B.S., Harding University; M.S., Purdue University

Wiley, F. Karen, 1985 ................................. Assistant Professor of Nursing
A.S., Southern Arkansas University; B.S.N., Henderson State University; M.S.N., Northwestern State University of Louisiana

Willis, James Frederick, 1969..............Professor of History and Political Science
B.A., Southern Arkansas University; M.A., Ph.D., Duke University

Willis, Rebecca Irvin, 1974......................... Associate Professor of Chemistry
B.S., Southwestern Oklahoma State University; Ph.D., Oklahoma State University

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Wilson, J. P., 2000 ................................................... Assistant Professor of Music
   Director of SAU Bands
   B.M.E., University of Central Arkansas; M.M., M.M., Northeast Louisiana
   University

Winstead, Joe E., 2000....................... Dean, School of Science and Technology
   Professor of Biology
   B.S., Midwestern State University; M.S., Ohio University, Ph.D., University of
   Texas at Austin

Wise, Timothy D., 1993....... Associate Professor of Management and Marketing

Woods, Claudell, 1990.........................Assistant Professor of Political Science
   Chair, Department of History, Political Science and Geography
   B.S., Southern Arkansas University; J.D., University of Arkansas
Faculty and Staff Emeriti

Belmont, Anthony Michael, Jr., 1965-1996, Professor of English - Emeritus
B.A., M.A., Ph.D.

Blanchard, Louis Johnson, 1956-1998, Professor of Accounting – Emeritus
B.B.A., M.B.A., C.P.A.

Blue, Betty Unger, 1956-1984, Professor of Foreign Languages - Emerita
B.A., M.A., Ph.D.

Boaz, Ralph Scott, 1963-1993, Professor of Economics and Finance - Emeritus
B.A., M.B.A., Ph.D.

Brinson, Harold Thomas, 1976-1995, President - Emeritus
B.Ed., M.Ed., Ph.D.

Brown, Kathryn Smith, 1945-1997, Professor of Kinesiology - Emerita
B.S., M.S., Ed. D.

Campbell, Robert Gordon, 1952-1987, Professor of Music - Emeritus
B.A., B.M., M.M., Ph.D.

B.S.

Dodson, B C, 1961-1987, Dean, School of Science and Technology - Emeritus
B.S.E., M.S., Ed.S., Ed.D.

Flemister, Ida Morris, 1966-1988, Professor of Psychology - Emerita

Haefner, Donald Andrew, 1967-1997, Vice President for Student Affairs - Emeritus
B.A., B.S.E., M.A Ed. D.

Harton, Margaret Elizabeth, 1945-1975, Professor of Speech - Emerita
B.A., M.A.

Irwin, Frank Lewis, 1957-1979, Professor of Education - Emeritus
B.A., M.A., Ed.D.

Logan, Lowell Alvin, 1967-1987, Vice President for Academic Affairs - Emeritus
B.A., M.S., Ph.D.
Peace, Alvarene Green, 1965-1993, Associate Professor of Economics and Finance - Emerita
B.S., M.B.A.

Sixby, David Harold, 1968-1998, Professor of History – Emeritus
B.A., M.A.T.

Souter, Gisèle Edith, 1975-1995, Associate Professor of Foreign Languages - Emerita
B.A., M.A.

Thomas, Ann Keese, 1966-1993, Professor of Psychology and Counselor Education – Emerita
B.S., M.Ed., Ph.D.

Wetzig, Calvin Ulysses, 1938-1975, Professor of Mathematics - Emeritus
B.S., M.A.

Williams, Patsy Joyce, 1968-1995, Associate Professor of Nursing - Emerita
B.S.N., M.Ed.

Wilson, Ralph, 1960-1988, Professor of Education - Emeritus
B.A., M.A., Ed.D.

List of Chief Administrators

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<th>Name</th>
<th>Period</th>
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<th>Period</th>
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<td>D. J. Burleson</td>
<td>January-June 1911</td>
<td>Dolph Camp</td>
<td>1950-1959</td>
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<td>H. K. Sanders</td>
<td>1911-1913</td>
<td>Imon E. Bruce</td>
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<td>Charles A. Overstreet</td>
<td>1921-1945</td>
<td>David F. Rankin</td>
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<td>Charles S. Wilkins</td>
<td>1945-1950</td>
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Scholarship Endowments

Individuals, businesses, and civic organizations have established the following scholarship endowments at Southern Arkansas University with recipients being selected by the University. For a current scholarship list contact the Office of Financial Aid in Overstreet Hall, Room 10, or phone (870) 235-4023.

Charles Hirst Adams and Mary Helen McGill Adams and Charles Clinton Adams and Myrtle Levon Hirst Adams: Funds provided by Mr. and Mrs. Charles H. Adams.

Velma Lee Adams: Funds provided by Mr. Calvin Wetzig in memory of Miss Adams.

Albemarle Corporation: Funds provided by Albemarle Corporation. Three awarded annually.

M. O. Alcorn: Funds provided by the family of Mr. M. O. Alcorn. Two awarded annually.

Mr. and Mrs. Sam Alexander: Funds provided by Dr. and Mrs. John Ed Alexander, Sr., in memory of his father and in honor of his mother.

Walter H. and Della Smith Allen: Funds provided by Mr. and Mrs. Homer Talley in memory of her parents. Preference shall be given to an agri student.

Alpha Chi: Funds provided by an anonymous challenge donor and SAU Alpha Chi Alumni. Two awarded annually. Preference shall be given to members of Alpha Chi.

Alumax-Magnolia Division: Funds provided by Alumax. Eight awarded annually. Preference shall be given to sons and daughters of the employees of Alumax majoring in accounting, marketing, management, computer science, or pre-engineering.

Alumni Association: Designated for incoming freshmen who are sons or daughters of former students at Southern Arkansas University. Three awarded annually. An additional scholarship is awarded annually to a current Alumni Association member's child or grandchild who has a 24 ACT composite or higher or a 3.0 cumulative high school GPA or higher and who is a first-time incoming freshman.

Amfuel: Funds provided by Amfuel of Magnolia. Four awarded annually. Preference shall be given to dependent children of the employees of Amfuel.

Mr. and Mrs. E. M. (Mack) Anderson: Funds provided by Mr. and Mrs. E. M. (Mack) Anderson. To be awarded to an entering freshman with a minimum 3.5 GPA. If candidates are equally qualified academically, then preference shall be given to a financially needy student.

Edna Mae and Searcy Atkinson: Funds provided by the family of Mr. and Mrs. Searcy Atkinson in their honor and memory. Preference shall be given to a football player who has need and who has a 2.5 or higher GPA.
Dr. John T. Attebery: Funds provided by alumni, family, and friends in memory of Dr. Attebery. Preference shall be given to an agri student recommended by the Department of Agriculture.

William R. and Katie B. Austin: Funds provided by Mr. and Mrs. William R. Austin. Preference shall be given to an agriculture academic and/or leadership student.

Grady M. Baker: Funds provided by Mr. and Mrs. Quintus Crews in memory of her father. Preference shall be given to business students.

Kathryn Norwood Bancroft: Funds provided by Mrs. Kathryn Norwood Bancroft.

Carol Jean Barnes: Funds provided by Mr. and Mrs. Richard Barnes in memory of their daughter. Preference shall be given to students from Smackover High School.

Richard and Mary Hicks Barnes: Funds provided by Mr. and Mrs. Barnes, alumni, and friends. Preference shall be given to a student from Smackover, Arkansas.

Clinton and Flay Bearden: Funds provided by Mr. and Mrs. Clinton Bearden.

Dr. and Mrs. Horace N. Beene and Dr. and Mrs. Willis T. Beene: Funds provided by Dr. and Mrs. Horace N. Beene and Dr. and Mrs. Willis T. Beene. Preference shall be given to Columbia County students.

Walter Bennett/Lone Star Trust: Funds provided by Mr. Bennett's estate. Thirty-three awarded annually.

Bruce B. Bevens: Funds provided by the Bevens family, alumni and friends in memory of Mr. Bevens. Preference shall be given to students majoring in business.

Leonard and Mary Faye Warmack Black: Funds provided by Mr. and Mrs. Leonard Black.

Louis J. and Martha Blanchard: Funds provided by Mr. and Mrs. Louis J. Blanchard and friends and former students of Mr. Blanchard. Preference shall be given to students majoring in accounting.

Dr. Betty Unger Blue: Funds provided by Mr. and Mrs. Thomas R. Blue. Preference shall be given to Spanish majors or minors.

Grady and Charlotte Matson Bolding: Funds provided by Mr. and Mrs. Grady Bolding.

Dr. Ralph F. and Leila W. Boulware: Funds provided by Dr. and Mrs. Ralph Boulware. Two awarded annually. Preference shall be given to animal agri students recommended by the Department of Agriculture.

Tom D. Bowles: Funds provided by alumni and friends.

E. G. Bradham: Funds provided by Mrs. E. G. Bradham in memory of Mr. Bradham. Preference shall be given to students majoring in preveterinary science and/or agriculture.
Rubye Rudd Bradham: Funds provided by Mrs. E. G. Bradham. Eleven awarded annually. Preference shall be given to a student majoring in agriculture in awarding one of the scholarships.

Steve and Florene Jordan Bradley: Funds provided by Mr. and Mrs. Steve Bradley.

William R. and Bobbie G. Bradley: Funds provided by Mr. and Mrs. William Bradley.

Charles and Otabel Bradshaw: Funds provided by Mr. and Mrs. Charles Bradshaw.

Alvin L. And Irene Wilson Brannon: Funds provided by Mr. and Mrs. Brannon, alumni, and friends.

Dr. Durward and Margaret L. Dossett Brewer: Funds provided by Mrs. Brewer in memory of her husband. Preference shall be given to a graduate of Hatfield, Arkansas, High School with second preference to a graduate of any other Polk County, Arkansas, high school.

Dr. Harold T. and Gene Lee Brinson: Funds provided by Dr. and Mrs. Harold T. Brinson and alumni and friends in honor of the Brinsons. Three awarded annually.

Ivan W. and Dr. Kathryn S. Brown: Funds provided by the Brown family, alumni and friends. Preference shall be given to a female student majoring in kinesiology.

Roy and Laura Brown: Funds provided by Mr. and Mrs. Frank Stinson in honor of her parents. Preference shall be given to a business or education major.

Dr. Imon E. Bruce: Funds provided by Dr. Imon E. Bruce. Two awarded annually.

Eva Burkett: Funds provided by Mr. Calvin Wetzig in memory of Dr. Burkett.

Mrs. J. E. Bussey: Funds provided by alumni and friends.

Mrs. Billie Cameron: Funds provided by Miss Fahy Rowland and Dr. and Mrs. Ron Ponder in honor of Mrs. Cameron. Preference shall be given to a nursing student.

W. M. (Bill) Cameron: Funds provided in memory of Mr. Cameron by his daughter and his three grandchildren. Preference shall be given to needy students in the School of Business Administration, primarily in marketing.

Dr. Raymond and Sharon Cammack: Funds provided by Mr. Calvin Wetzig, Dr. and Mrs. Cammack, alumni, and friends.

Dr. Dolph and Florence Crain Camp: Funds provided by Dr. and Mrs. Dolph Camp. Preference shall be given to academically qualified students with financial need.

Rayford and Shirley Camp: Funds provided by Mr. and Mrs. Rayford Camp. Three awarded annually. Preference shall be based on financial need, with one of the three designated for a Hempstead County resident.

Dr. Robert G. Campbell: Funds provided by the Campbell family, alumni, and friends. Preference shall be given to a music major.
Virginia Rhea Campbell: Funds provided by Mr. and Mrs. John W. Rhea, Jr., in honor of his sister.

Raeanna Cardell: Funds provided by Mr. and Mrs. Donald Pittman in memory of Miss Cardell.

Virginia Saralynn Longino Carlisle: Funds provided by Dr. Luther A. Longino in memory of his daughter.

Neely and Nina Cassady: Funds provided by Senator and Mrs. Neely Cassady. Preference shall be given to a preveterinary student selected by the Department of Agriculture.

Dr. John J. Chapman: Funds provided by Dr. Bennie and Mr. Sam Walthall and other alumni in honor of Dr. Chapman.

Dr. J. Wesley and Margaret Alcorn Childers: Funds provided by Dr. and Mrs. J. Wesley Childers, alumni, and friends.

Orval A. Childs: Funds provided in honor of Mr. Childs by alumni and friends. Seven awarded annually. Preference shall be given to students with agri major and recommended by the chair of the Department of Agriculture.

Howard and Emma Lee Clark: Funds provided by Mr. and Mrs. Richard Clark in memory of his parents. Preference shall be given first to employees or children of employees of Peoples Bank. Second – fifth preferences are students from Waldo, McNeil, Emerson, or Magnolia respectively.

Imogene McNatt Clark: Funds provided by Mr. and Mrs. Richard Clark. Preference shall be given first to employees or children of employees of Peoples Bank. Second – fifth preferences are students from Waldo, McNeil, Emerson, or Magnolia respectively.

Richard P. Clark: Funds provided by Mr. and Mrs. Harold Fincher and Mr. and Mrs. G. F. Scott in honor of Mr. Clark. Preference shall be given first to the children of employees of Peoples Bank and second to graduates of the high schools of the school districts in which Peoples Bank or a branch of Peoples Bank is located. Preference shall also be given to the students with greatest financial need.

Richard P., II and Carol Clark, Roland L. and Leigh Ann Clark, Dale and Pamela Clark Davis: Funds provided by Mr. and Mrs. Richard Clark in honor of their children.

David M. Clary: Funds provided by Mr. and Mrs. David Clary.

Class of 1946: Funds provided by the Class of 1946 and other alumni and friends.

John Ed and Hazel Cleaver: Funds provided by the Cleaver family, alumni, and friends. Preference shall be given to business students.

Coca-Cola Bottling Co. of Magnolia: Funds provided by Coca Cola Bottling Company, Mr. Kenneth Williams, Manager. Two awarded annually.
Patsy Clark Coffey: Funds provided by Mr. and Mrs. Richard Clark in memory of his sister. First preference shall be given to employees of Peoples Bank or dependents of employees of the Bank. Second - fifth preferences are students from Waldo, McNeil, Emerson, or Magnolia respectively.

Mr. and Mrs. R. H. Cole, Jr.: Funds provided by Mr. Calvin Wetzig in honor of Mr. and Mrs. Cole.

Francille Rhea Colquitt: Funds provided by Mr. and Mrs. John W. Rhea, Jr., in memory of his sister.

Shirley Jeffcoat Combs: Funds provided by Mr. and Mrs. Melvyn Bell in honor of Mrs. Combs. Four awarded annually. Designated for art students who compete in a campus art show. Provides tuition, fees, room and board.

James D. Cook: Funds provided by alumni and friends.

Fred K. and Nell Wallace Couch: Funds provided by Mrs. Hugh Longino, II, Mrs. Ellen Longino Smith, and Mr. Fred Longino in honor of Mrs. Longino's parents.

Inez Couch: Funds provided by alumni and friends.

Avalee Cox: Funds provided by former students and other alumni in honor of Miss Cox. Preference shall be given to students majoring in biology.

Lacy E. Crain: Funds provided by Mr. and Mrs. Lacy E. Crain. Preference shall be given to academically qualified students with financial need.

Ray Crain: Funds provided by Mr. and Mrs. Ray Crain and children.

H. J. Crowell: Funds provided by Mr. and Mrs. H. J. Crowell.

C. G. (Betsy) and Lee Brown Davis: Funds provided by Mr. and Mrs. C. G. Davis. Two awarded annually. Preference shall be given to academically qualified students in the Department of Agriculture.

Joe and Doris Dees: Funds provided by Mr. and Mrs. Joe Dees. Preference shall be given to a student majoring in business.

Delta Kappa Gamma-Psi Chapter: Funds provided by an anonymous donor. Recipient will be selected by Psi Chapter of Delta Kappa Gamma based on criteria provided to the chapter by the donor.

Delta Sigma Theta: Funds provided by members of Delta Sigma Theta Graduate Chapter, alumni and friends. Preference shall be given to members of Delta Sigma Theta or to the children of members of Delta Sigma Theta.

Dr. and Mrs. W. Clyde Dickens: Funds provided by Mrs. Clyde Dickens Calliotte in memory of her parents.

Bernice Dickson: Funds provided by Miss Bernice Dickson.
Dr. B C Dodson: Funds provided by Mr. Calvin Wetzig, alumni and friends.

Cameron and Buddy Dodson: Funds provided by Mr. and Mrs. Cameron Dodson.

Sidney I. and Lois E. Dodson: Funds provided by Dodson descendants. Preference shall be given to sons and daughters of residents of Arkansas or military service men or women whose home state of record is Arkansas with financial need being considered.

Charles E. and Helen Downs: Funds provided by Mr. and Mrs. Charles E. Downs. Preference shall be given to heads of household, single female students in the Department of Nursing.

S. R. (Sammy) Dumas: Funds provided by Mr. Sammy Dumas and alumni.

Economics and Finance: Funds provided by Dr. David Rankin, alumni, and friends. Preference shall be given to economics and finance students.

Rudolph and Sharon Miller Eichenberger: Funds provided by Dr. and Mrs. Rudolph Eichenberger. First preference shall be given to a junior or senior majoring in the engineering-physics program with second preference to a junior or senior majoring in a subject in the Department of Physical Science and Technology. Recipient must have a minimum 2.5 GPA in major courses, have completed 60 hours, and be recommended by the SAU Department of Physical Science Scholarship Committee.

Christine McKissack Elcan: Funds provided by Mrs. Joyce McKissack Tennison and Mr. W. Chris Elcan in honor of Mrs. Elcan.

Dr. and Mrs. Larry J. Embree: Funds provided by Dr. and Mrs. Larry J. Embree.

Lon J. and Maude Laramore Embree: Funds provided by Dr. and Mrs. Larry J. Embree in honor and memory of his parents.

Enstar Petroleum, Inc.: Funds provided by Enstar Petroleum.

Col. Felix M. Fabian, Jr.: Funds provided by the Fabian family, friends, and faculty and staff of SAU in memory of Colonel Fabian. Preference shall be given to a student on the SAU Rodeo Team.

Thomas U. Fallin: Funds provided by Mrs. Thomas U. Fallin and Mr. and Mrs. Tommy Fallin in memory of Mr. Fallin. Preference shall be given to students majoring in agriculture and recommended by the chair of the Department of Agriculture.

Farmers Bank & Trust Company of Magnolia: Funds provided by Farmers Bank & Trust Company. Two awarded annually. One includes preference for an accounting or finance major from Columbia, Lafayette, or Ouachita counties who demonstrates financial need and is ineligible for a Pell grant and who has a minimum 27 ACT.

Allen Fincher: Funds provided by family and former students in memory of Mr. Fincher. Preference shall be given to a student scoring a 24 or higher on the ACT who is a graduate of Waldo, Arkansas, High School majoring in education.
D. J. and Harold Fincher: Funds provided by Mr. and Mrs. Harold Fincher. Six awarded annually. Preference shall be given to five non-traditional (age) students majoring in business administration and one majoring in education.

Donald B. Fincher: Funds provided by the family of Donald B. Fincher.

Floyd and Ruby Fincher: Funds provided by Mr. and Mrs. Harold Fincher in memory of his aunt and uncle. First preference shall be given to employees, directors, or stockholders or the children of such of Peoples Bank or a branch of Peoples Bank. Second preference shall be given to non-traditional (age) students graduated from the high schools of the school districts in which Peoples Bank or a branch of Peoples Bank is located. Third preference shall be given to non-traditional (age) students.

Harold and Dorothy J. Fincher: Funds provided by Mr. and Mrs. Harold Fincher. First preference shall be given to employees, directors, or stockholders or the children of such of Peoples Bank or a branch of Peoples Bank. Second preference shall be given to non-traditional (age) students graduated from the high schools of the school districts in which Peoples Bank or a branch of Peoples Bank is located. Third preference shall be given to non-traditional (age) students.

Herbert A. and Edna Clark Fincher: Funds provided by Mr. and Mrs. Harold Fincher in memory of his parents. First preference shall be given to employees, directors, or stockholders or the children of such of Peoples Bank or a branch of Peoples Bank. Second preference shall be given to non-traditional (age) students graduated from the high schools of the school districts in which Peoples Bank or a branch of Peoples Bank is located. Third preference shall be given to non-traditional (age) students.

Elgie L. and Nellie F. Fireoved: Funds provided by Mr. Fireoved. Seven awarded annually. Preference shall be given to students in the School of Business Administration.

First United Bancshares: Funds provided by First United Bancshares.

First United Methodist Church of Magnolia: Funds provided by church members. Two awarded annually. Preference shall be given to members of the church or residents of the Methodist Children's Home.

James Bentley ("Jimbo") Fitch: Funds provided by Mr. and Mrs. Gordon Fitch, alumni, and friends in memory of "Jimbo" Fitch. First preference shall be given to a graduate of Glenwood High School. Second preference shall be given to a graduate of Murfreesboro High School.

Lucy Watson Harlan Francis: Funds provided by Mrs. Lucy Watson Harlan Francis. Preference shall be given to descendants of residents or former residents of the Brister community.

Ruble and Florrie Berry Franklin: Funds provided by Mr. and Mrs. Ruble Franklin.

Ernest F. and Ila Verne Crisp Franks: Funds provided by Mr. and Mrs. Ernest F. Franks.

William Norman Friday: Funds provided by alumni and friends in memory of Mr. Friday.
Paul L. Fullenwider: Funds provided by Dr. and Mrs. Ron Ponder in memory of Mr. Fullenwider. Preference shall be given to needy students in engineering or agriculture.

Ruby Cameron Fullenwider: Funds provided by Dr. and Mrs. Ron Ponder. Preference shall be given to students graduating from the Junction City area and majoring in nursing.

W. E. Fullenwider: Funds provided by Mrs. W. E. Fullenwider in memory of her husband. Preference is to be given to an agriculture student.

Matsye Gantt: Funds provided by the Matsye Gantt estate in memory of Miss Gantt. Ten awarded annually. Recipients must be Columbia County residents.

J. D. Garrett, Jr. and Helen Jane Medlock Garrett: Funds provided by Mr. and Mrs. J. D. Garrett, Jr.

Joe Gillaspie: Funds provided by Mrs. Daisy Gillaspie Kohn in memory of her husband. Preference shall be given to a premed student.

Howard A. and Novie Franks Gordon: Funds provided by Mr. and Mrs. Howard A. Gordon. Preference shall be given to graduates of Taylor High School.

Jasper S. Goza: Funds provided by Mrs. Bessie Russell Goza Olive in memory of Mr. Goza. Preference shall be given to an agriculture student.

Dean E. E. Graham: Funds provided by Dr. Bennie Walthall, other alumni, and friends.

Ernest E. and Ila Pearce Graham: Funds provided by Mr. and Mrs. Ernest Graham. Preference shall be given to students who have average, but not necessarily superior academic ability, and who have financial need.

Warren Edwin (Eddie) Gray: Funds provided by Mrs. Warren (Eddie) Gray in memory of her husband. Preference shall be given to students from DeQueen and/or Sevier County.

Margaret C. Grayson: Funds provided by Mrs. Margaret C. Grayson. Preference shall be given to a Stephens High School graduate majoring in either business or education.

Arvil P. Green: Funds provided by the football and basketball teams of 1940-42 and other alumni.

Lake A. and Holland P. Greene: Funds provided by Mrs. Lake Greene. Preference shall be given to students majoring in pre-engineering.

The Five Grishams - A and M Alumni - James, Sylvania, Ollyne, Doris, and Roland Karrh: Funds provided by the Grisham family.

Ralph Wilson Grisham: Funds provided by Dr. and Mrs. James H. Grisham in memory of their son. Preference shall be given to students majoring in foreign languages.

Donald and Mary Ellen Bell Haefner: Funds provided by Dr. and Mrs. Donald Haefner.
John Allen Ham: Funds provided by Mrs. John Ham in memory of her husband. Preference shall be given to an agriculture student.

Robert Leon Hardin: Funds provided by alumni and friends.

Mr. and Mrs. Murray J. Harmon: Funds provided by Mr. and Mrs. Ted Ward, Jr., in memory of her parents.

Dr. Jack T. and Mona L. Harrington: Funds provided by Dr. and Mrs. Jack Harrington. First preference shall be given to a student majoring in vocational agricultural education. Second preference shall be given to a student majoring in agriculture. Recipient is to be recommended by the chair of the Department of Agriculture or the chair’s designee.

George W. and Margie Jones Harrod: Funds provided by alumni and friends.

Ethel Hart: Funds provided by Mrs. Hart. Preference shall be given to two or three junior or senior students majoring in office administration or business education.

Eugene W. Hart: Funds provided by Mr. Hart and his estate. Three awarded annually.

James T. and Margene Davis Hart: Funds provided by Mr. and Mrs. James T. Hart. Preference shall be given to graduates of Stephens High School recommended by its faculty.

Margaret Harton: Funds provided by alumni and friends. Preference shall be given to a student majoring in theater or speech.

Gordon, Alma, and Frank Hartrick: Funds provided by Dr. and Mrs. W. Ves Childs in honor of Gordon and Alma and in memory of Frank Hartrick. Preference shall be given to a student with financial need, especially a single parent with financial need.

Rege and Mary Ann Hastings: Funds provided by Mr. and Mrs. Rege Hastings.

James E. Haynes: Funds provided by Mr. and Mrs. James E. Haynes. Two awarded annually. First preference shall be given to chemistry majors, second preference to agricultural majors, and third preference to marketing majors for one and preference to a needy agriculture student for the other.

Dr. and Mrs. Rufus Haynes: Funds provided by Dr. and Mrs. Rufus Haynes and other family members.

Rupert and Dorothy Hendrix: Funds provided by their five sons in honor of Mr. and Mrs. Hendrix. Preference shall be given to a student from Malvern or some other Hot Springs County locale.

Dr. Paul G. Henley: Funds provided by the Henley family, alumni, and friends.

Dr. George W. Henry: Funds provided by Mr. Calvin Wetzig in memory of Dr. Henry. Preference shall be given to a math major.
Lois Elaine Herridge Hetherington: Funds provided by BGen. Travis Hetherington in memory of his wife for graduates of El Dorado High School who have demonstrated academic competence and who are dedicated to the pursuit of a college education. Four awarded annually.

Pat Groves Hime: Funds provided by Mr. and Mrs. Paul E. Hime.

Ralph and Ruth Holiman: Funds provided by Mr. and Mrs. Ralph Holiman.

H. T. and M. E. Holmes: Funds provided by H. T. and M. E. Holmes, with matching funds provided by Arkansas Power and Light, in memory of Dr. G. F. McLeod and Dr. Leland Clegg, fathers of H. T. and M. E. respectively. Preference shall be given to students of the School of Science and Technology.

Houston Chapter of the Alumni Association: Funds provided by alumni in the Houston, Texas, area.

Hubbard: Funds provided by Hubbard ISA LLC. Preference shall be given to an agri student.

Jesse F. and Mary E. Hudgens: Funds provided by Mr. and Mrs. Richard Clark in memory of Mr. and Mrs. Hudgens. First preference shall be given to employees of Peoples Bank or dependents of employees of the bank. Second - fifth preferences are students from Waldo, McNeil, Emerson, or Magnolia respectively.

Fred Atkinson Hutcheson: Funds provided by Mrs. Ruth L. Hutcheson in memory of her husband. Preference shall be given to a prepharmacy major.

Ruth Hutcheson: Funds provided by Ms. Ruth Hutcheson and her estate. Two awarded annually.

International Paper: Funds provided by International Paper and selected International Paper suppliers. Five awarded annually. Preference shall be given to incoming freshmen who have a financial need, have a GPA of 2.5 or better, and are children of International Paper employees at IP-Springhill.

Dr. Frank Irwin: Funds provided by the Irwin family, alumni, and friends.

Mary Blackman Jackson: Funds provided by Mr. and Mrs. Harold Fincher and Mary Blackman Jackson. Preference shall be given to a student of voice or piano, preferably from Columbia County.

Travis Jackson: Funds provided by members of the family of Travis Jackson in his memory. Preference shall be given to a member of the SAU baseball team.

Travis C. and Mary Blackman Jackson: Funds provided by Mr. and Mrs. Harold Fincher in memory of her parents. First preference shall be given to employees, directors, or stockholders or the children of such of Peoples Bank or a branch of Peoples Bank. Second preference shall be given to non-traditional (age) students graduated from the high schools of the school districts in which Peoples Bank or a branch of Peoples Bank is located. Third preference shall be given to non-traditional (age) students.
Mr. and Mrs. J. L. Jean: Funds provided by Mr. and Mrs. J. L. Jean. Preference shall be given to an agri student.

Bailey and Juanita (Nancy) Johnson: Funds provided by Mr. and Mrs. Bailey Johnson. Three awarded annually. Preference shall be given to agri students with average or better academic qualifications who have financial need and are recommended by the chair of the Department of Agriculture.

Dr. Billie Jo Jones: Funds provided by Dr. Jones. In awarding this scholarship, preference shall be given to a junior female student majoring in physical education who plans to teach.

Charles F. Jones: Funds provided by Mr. Jones, alumni, and friends.

Jimmie (Red) Jones: Funds provided by friends and family of Mr. Jimmie (Red) Jones.

M. C. (Buddy) and Bonnie Anton Jones: Funds provided by Mr. and Mrs. M. C. Jones. Two awarded annually. Preference shall be given to a business student in the awarding of one of the scholarships.

John E. Joplin Family: Funds provided by Mr. and Mrs. Paul Joplin.

Hazel Craig Jordan: Funds provided by Mrs. Hazel Craig Jordan. First preference shall be given to sociology majors, second preference to psychology majors, and third preference to business majors.

Patrick Kelly: Funds provided by Mrs. Lois Gean Kelly and friends in memory of her son.

Bob and Dorothy Beene Kehres: Funds provided by Mr. Kehres in memory of his wife. Preference shall be given to a student from Columbia County.

Mike Kinard: Funds provided by Mr. Mike Kinard.

Marie King: Funds provided by Miss Marie King. Two awarded annually. Preference shall be given to women graduates of public schools in Union County majoring in biology for one and for deserving students from the Vera Lloyd Presbyterian Home, Mt. Holly High School, or students majoring in biology, premed, or nursing for the other.

Dr. Paul R. Kirkpatrick: Funds provided by alumni and friends.

Ken Koen: Funds provided by Mr. Ken Koen. Preference shall be given to an agri student.

Dr. Corbet Joe Lamkin: Funds provided by Dr. and Mrs. Corbet J. Lamkin. The recipient will be selected based on financial need.

Todd and Dot Riggins Landes: Funds provided by Mr. and Mrs. Todd Landes, alumni, and friends.

Governor Ben T. Laney: Funds provided by Mrs. Ben T. Laney in memory of her husband. Preference shall be given to students majoring in history.
Governor Ben T. and Lucille Laney: Funds provided by Judge William J. Smith and Mrs. Laney.

Tracy Lawrence: Funds provided by Mr. Tracy Lawrence. Recipient is to be selected by the Tracy Lawrence Scholarship Committee.

Roy E. Ledbetter: Funds provided by The Brown Foundation, Houston, Texas, in honor of Mr. Roy E. Ledbetter. Seven awarded annually.

Buddy and Betty Ledwell: Funds provided by Mr. and Mrs. Ledwell. Preference shall be given to students from Miller County, Arkansas, and Bowie County, Texas.

William F. Lewis: Funds provided by Lewis Funeral Home, family, and friends in memory of Mr. Lewis. Preference shall be given to a student in the School of Business Administration.

Cherry M. Logan: Funds provided by Dr. L. A. Logan and memorial contributions. Preference is to be given to a student planning a career in professional library science or English education.

Dr. Lowell A. and Cherry M. Logan: Funds provided by Dr. and Mrs. Lowell A. Logan.

Eugene Z. (Jim) Long: Funds provided by Mr. Eugene Z. (Jim) Long.

Hugh and Dorothy C. Longino: Funds provided by Mr. and Mrs. Hugh Longino.

Hugh E. Longino, II: Funds provided by family and friends in memory of Mr. Longino.

Dr. Luther A. Longino: Funds provided by Dr. and Mrs. Luther A. Longino.

Luther Alvan and Imogene Moore Longino: Funds provided by Mrs. Hugh Longino, II in memory of her husband’s parents.

Edsel P. Lusby: Funds provided by Mrs. Geraldine Lusby Hall in memory of her husband. Preference shall be given to students majoring in sociology.

Hazel MacFedries and Carol MacFedries Bain: Funds provided by Mrs. Hazel MacFedries. Preference shall be given to a graduate of Haynesville High School, Haynesville, Louisiana.

Joanna G. Magale: Funds provided by the estate of Mrs. Joanna G. Magale. Twenty awarded annually.

John and Joanna Magale: Funds provided by the Magale Foundation, Inc. in honor and memory of Mr. and Mrs. Magale. Preference shall be given to music majors.

The Magale Foundation: Funds provided by The Magale Foundation. Three awarded annually.
Magnolia Newcomers Club/Mary K Wyrick: Funds provided by Newcomers Club, Inc. Preference shall be given to students whose families are associated with Magnolia Newcomers Club and recommended by its sponsor and president.

Magnolia Rotary Club: Funds provided by the Magnolia Rotary Club. Preference shall be given (1) to the sons and daughters of Magnolia Rotarians or (2) graduates of high schools in the Magnolia area.

Dr. Kathleen Mallory: Funds provided by Dr. Kathleen Mallory, alumni, friends, and family. Preference shall be given to a minority student, preferably a member of the Black Student Association.

Delton V. and Lucille Measeles Maloch: Funds provided by Mrs. Delton Maloch. Preference shall be given to a nursing student.

Jack and Beryl Jean Marshall: Funds provided by Mr. and Mrs. Jack Marshall.

Eloise Graves Marshall: Funds provided by Mrs. Eloise Marshall. Preference is to be given to an art major.

Dr. Katie Grant Marshall: Funds provided by alumni and friends.

Sam and Eloise G. Marshall: Funds provided by Mr. and Mrs. Sam G. Marshall. Three awarded annually.

Glenn G. and Carrie C. Martel: Funds provided by the Martel family. Preference shall be given to students planning to major in history.

Rosie Lee Matlock: Funds provided by Ms. Matlock. Preference is to be given to the winner of the Black Student Association beauty pageant.

Dr. J. Irving McClurkin, Jr. and Sylvania G. McClurkin: Funds provided by Dr. and Mrs. J. Irving McClurkin, Jr.

Issac Newton and Daisy Paschal McCollum: Funds provided by the McCollum children and their spouses. Preference shall be given to residents of Columbia County with financial need and high ethical standards.

Dr. John P. McCollum: Funds provided by Mrs. Vashti McCollum in memory of her husband. Preference shall be given to a student interested in the population explosion and its impact on the environment.

Carroll and Dorothy Jackson McGarity: Funds provided by Mr. Carroll and Dr. Dorothy McGarity, alumni, and friends. Preference shall be given to a female biology student.

Ronald A. McGee: Funds provided by Mr. and Mrs. Harry Michael Kittredge in honor of her father. Preference shall be given to students majoring in physics or in premed program.

Bruce D. McGill: Funds provided by Mr. Leighton Robert McGill.
Gena V. McGill and June Shock: Funds provided by Mr. and Mrs. Kyle Winning in memory of Ms. McGill and Ms. Shock. Recipient or immediate family member must have or have had a catastrophic illness.

Samuel D. McGill, Jr.: Funds provided by Mr. Samuel D. McGill, Jr. and his estate. Eight awarded annually.

Dr. Samuel D. McGill: Funds provided by Mr. Thomas W. McGill in memory of his father.

Thomas McGill: Funds provided by Mr. Thomas McGill.

Charles M. McKinnon: Funds provided by Mr. Charles M. McKinnon.

J. Michael McLean: Funds provided by Mrs. McLean in memory of her husband.

Sage McLean: Funds provided by Dr. Bennie Walthall, other alumni, and friends.

Dr. and Mrs. H. Scott McMahen: Funds provided by Mr. Calvin Wetzig in honor of Dr. and Mrs. McMahen.

Edward and Betty McNeill: Funds provided by Mr. and Mrs. Edward McNeill.

McNeil United Methodist Church: Funds provided by McNeil United Methodist Church. Preference is to be given to a needy, worthy student within the church or within the McNeil community, with at least a 2.00 cumulative GPA in high school and with a recommendation from the trustees of the McNeil United Methodist Church.

T. Archie Monroe: Funds provided by Mr. and Mrs. T. Archie Monroe.

Ted J. and Mary A. Monroe: Funds provided by Mr. and Mrs. Ted Monroe. Preference shall be given to a student studying environmental education.

Brooks S. and Flora Blackwell Montgomery: Funds provided by Mr. Brooks S. Montgomery.

Myrtle Talbot Monzingo: Funds provided by Dr. J. Dudley Talbot, Mrs. Maudames Conner, Dr. Milton Talbot, Jr., Mrs. Jean Talbot Hardy, and an anonymous donor. Two awarded annually.

Tabbie Mae McDonald Moore: Funds provided by Mrs. Tabbie Moore, family members, alumni, and friends.

Mrs. W. F. Moreland: Funds provided by Mr. and Mrs. Richard Clark in memory of Mrs. Moreland. First preference shall be given to Peoples Bank employees or dependents; second preference shall be given to graduates of Waldo, McNeil, or Emerson High Schools.

Lee Ann Whitehead Munford: Funds provided by Mr. and Mrs. Selwyn Whitehead in memory of Mr. Whitehead’s daughter.

W. C. Munn: Funds provided by alumni and friends in memory of Mr. Munn.
Jerome P., Sr. and Mary Louise Murphy: Funds provided by Mrs. Jerome Murphy, Sr.

Murphy Oil Foundation: Funds provided by the Murphy Foundation. Two awarded annually. Preference shall be given to Department of Music students.

National Bank of Commerce - El Dorado: Funds provided by National Bank of Commerce of El Dorado. Preference shall be to a Union County student majoring in business with a 3.0 GPA.

Richard Hudson Neill: Funds provided by alumni and friends.

Dr. Orris and Mary Jean Finch Nipper: Funds provided by Dr. and Mrs. Orris Nipper.

Idelle Olive Norwood: Funds provided by Mr. and Mrs. Ken Crain in memory of Mrs. Crain's mother. Preference is to be given to a teacher education major.

Nursing: Funds provided by alumni and friends of the Department of Nursing.

Richard Oliver: Funds provided by alumni and friends in honor and in memory of Mr. Oliver. Preference shall be given to a music student.

N. P. O’Neal: Funds provided by Hope Brick Works.

Arlyn Maddox O’Rear: Funds provided by Mr. and Mrs. Donald F. Maddox and family. Preference shall be given to a nontraditional (age) student.

L. G. and Mildred Otwell: Funds provided by Mr. and Mrs. Richard Clark in honor of Mrs. Clark's parents. Preference shall be given first to employees or children of employees of Peoples Bank. Second - fifth preferences are students from Waldo, McNeil, Emerson, or Magnolia respectively.

Charles A. Overstreet: Funds provided by friends and alumni in his honor and memory.

Nora Jones Paschal: Funds provided by Mr. and Mrs. Edward Fullenwider and Mrs. Harold McNeill in memory of Mrs. Fullenwider and Mrs. McNeill's mother.

Woodrow Pate: Funds provided by Mr. and Mrs. Roy Fish in honor of Mr. Pate.

J. M. Peace: Funds provided by members of the J. M. Peace family, alumni, and friends.

Levi H. and Marcella (Marcy) Morgan Pearce: Funds provided by their descendants.

Peoples Bank of Waldo, McNeil, Emerson, and Magnolia: Funds provided by Mr. and Mrs. Harold Fincher. Four awarded annually. First preference shall be given to employees, directors, or stockholders or the children of such of Peoples Bank or a branch of Peoples Bank. Second preference shall be given to non-traditional (age) students graduated from the high schools of the school districts in which Peoples Bank or a branch of Peoples Bank is located. Third preference shall be given to non-traditional (age) students.
James M. Philpot: Funds provided by the James Philpot family, alumni, and friends in memory of Mr. Philpot. Preference shall be given to a needy student of high character and an agriculture student.

Charlotte Pickens: Funds provided by Mr. Calvin Wetzig in honor of Miss Pickens.

Pilgrim’s Pride Employees: Funds provided by the employees of Pilgrim’s Pride Corporation. First preference shall be given to the children of Pilgrim’s Pride employees. Second preference shall be given to an agri student.

Mr. and Mrs. H. W. Pitre: Funds provided by Mr. and Mrs. H. W. Pitre.

Donald and Mickey Horne Pittman: Funds provided by Mr. and Mrs. Donald Pittman.

Bernard H. and Madge Patterson Polk: Funds provided by Bernard H. and Mrs. Madge Patterson Polk.

Raymond (Rip) Powell: Funds provided by alumni and friends in honor of Mr. Powell. Preference shall be given to a son or a daughter of a former SAU athlete, based on need. Second preference shall be given to a son or a daughter of an SAU alum, based on need.

Pansy Puckette: Funds provided by Mr. Calvin Wetzig and alumni and friends in honor of Miss Puckette.

Dr. Thomas Pullig: Funds provided by Mr. Calvin Wetzig in honor of Dr. Pullig.

Puterbaugh Foundation: Funds provided by the Puterbaugh Foundation. Recipient is to be selected by the J. G. Puterbaugh Professor. Three awarded annually.

Quota Club of Magnolia: Funds provided by the Quota Club of Magnolia. Two awarded annually. Preference shall be given to female students from Columbia County.

Claude "Pancho" and Irma Ramey: Funds provided by Mr. and Mrs. Ramey. Two awarded annually. Preference shall be given to an agri student from Yell County, and another from Polk County, Arkansas, recommended by the Department of Agriculture.

Alice Fearing Barrow Rayburn: Funds provided by Mr. Walker Rayburn, Sr. in memory of his wife. Three awarded annually.

Robert W. and Maggie C. Rayburn: Funds provided by Mr. Walker Rayburn, Sr. in memory of his parents. Three awarded annually.

Walker H. Rayburn, Sr.: Funds provided by Mr. and Mrs. Walker Rayburn, Jr. in memory of Mr. Rayburn, Sr.

Corrine Reagan: Funds provided by Mrs. Corrine Reagan, alumni, and friends.

RHA/J Courson: Funds provided by Mr. J Courson, RHA students, and alumni. Preference shall be given to a student who lives in a residence hall, is active in hall council, and promotes residence hall living and programs.
John W. Rhea, Jr.: Funds provided by Mr. and Mrs. John W. Rhea, Jr. Two awarded annually.

Alan and Kerry Ribble: Funds provided by Mr. and Mrs. Alan Ribble. Preference is to be given to a student in the School of Business Administration.

Ronnie L. and Pat Baker Ribble: Funds provided by Mr. and Mrs. Ronnie Ribble. Preference shall be given to needy students.

George W. and Lorene Horne Rister: Funds provided by Mr. and Mrs. George W. Rister.

George W. and Lorene Horne Rister, Mary Frances Rister Dumas, and Kathryn Sue Rister Alspaugh: Funds provided by Mr. and Mrs. George Rister. Preference shall be given to a student who qualifies for student employment.

Lorene Horne Rister: Funds provided by Mr. George W. Rister in memory of his wife.

Dale and Gail Reveley Robbins: Funds provided by Dr. and Mrs. Dale Robbins. Preference shall be given to a teacher education major.

Royce A. Rogers: Funds provided by the Royce A. Rogers family in his memory. Preference shall be given to an agri student from southeast or southwest Arkansas with financial need.

Dr. Robert Elmore Rowland: Funds provided by Miss Fahy L. Rowland in memory of her father. Preference shall be given to students in nursing education.

Herbert E. and Mary S. Russell: Funds provided by Mr. and Mrs. Herbert Russell.

Richard and Helen Samuel: Funds provided by Mr. and Mrs. Richard Samuel, alumni, and friends. Preference shall be given to students majoring in management, marketing, or general business.

George Percy Sanders: Funds provided by Mr. and Mrs. Mike McLean in memory of his uncle.

SAU Upward Bound: Funds provided by Upward Bound Alumni Association. Two awarded annually. First preference shall be given to current year graduating seniors. Second preference shall be given to alumni who are current, active members in the Upward Bound Alumni Association.

SAU Women’s Club: Funds provided by the SAU Women’s Club and friends.

Gillie Ridling Schene: Funds provided by Mrs. Gillie Schene. Five awarded annually. Preference shall be given to graduates of El Dorado and other high schools of Union County who are studying pre-engineering, music, and/or participating in band.

School of Education: Funds provided by alumni, education faculty, and friends. Preference shall be given to a non-traditional (age) student majoring in education and recommended by a School of Education faculty committee.
Mr. and Mrs. N. H. Sebring: Funds provided by Mr. and Mrs. N. H. Sebring.

Iris Moore Shimizu: Funds provided by Dr. B. Iris M. Shimizu.

Bobo Shinn: Funds provided by Mr. Jay Shinn in honor of his sister. Preference shall be given to an art student.

Gresham J. and Sue DeLaughter Shinn: Funds provided by Mr. and Mrs. Gresham Shinn.

Erma Simmons: Funds provided by alumni and friends.

John A. Smart: Funds provided by alumni and friends. Preference shall be given to a female chemistry or pre-med major.

Shirley Grear Smart: Funds provided by alumni and friends. Preference shall be given to a student majoring in piano.

Carl Excell and Nannie Nall Smith: Funds provided by the children of Mr. and Mrs. Carl Smith. Recipient is to be a full-time entering freshman from Mt. Holly High School who completes the high school honors program with a minimum high school GPA of 3.0.

Diane and Lamar Smith: Funds provided by Mr. and Mrs. Lamar Smith. Preference shall be given to a graduate of Emerson High School.

Dr. S. Denny and Mabel D. Smith: Funds provided by Mr. and Mrs. Denny Smith, Jr. in memory of his parents.

James L. Smyth: Funds provided by SAU Foundation in recognition of 30+ years of service and by Miss Bernice Dickson in honor of Mr. Smyth. Preference shall be given to students from Columbia and its contiguous counties.

Arthur Harrol Souter: Funds provided by Mr. and Mrs. Arthur Souter. Preference shall be given to a preforestry student. Second preference shall be given to an agri student.

Gisèle E. Gernigon Souter: Funds provided by Mr. and Mrs. Arthur Souter. Preference shall be given to students with minors in French.

South Arkansas Chapter of CPAs: Funds provided by the South Arkansas Chapter of CPAs. Recipient is to be a senior accounting major with a minimum 3.0 GPA, who is from one of the counties of the South Arkansas Chapter of CPAs and is selected by the Department of Accounting.

Dr. Arthur W. Steely: Funds provided by the Dr. Arthur Steely family, Mr. Calvin Wetzig, alumni and friends in memory of Dr. Steely. Preference shall be given to a math education or an elementary education major with a specialization in math.

Catherine Nadine Steinhaus: Funds provided by the Magnolia Hospital Auxiliary and friends in memory of Mrs. Steinhaus. Preference shall be given to a student in nursing education.
Mabel Curry Stephens: Funds provided by Mrs. Mabel Curry Stephens for students majoring in accounting who are from (1) Stephens, (2) Camden, (3) Ouachita County, or (4) the state of Arkansas.

I. L. (Ish) Stivers: Funds provided by alumni and friends. Preference shall be given to the students in the field of agriculture.

Patricia Polk Strickland: Funds provided by Mr. Bernard H. and Madge Patterson Polk in memory of their daughter.

William R. (Bill) and Betty Jo Stringfellow: Funds provided by Mr. and Mrs. Bill Stringfellow. Preference is to be given to a student in the School of Business Administration.

Sue Strong: Funds provided by Miss Bernice Dickson in memory of Ms. Strong. Preference shall be given to graduates of Waldo High School.

Roy and Christine Sturgis: Funds provided by The Roy and Christine Sturgis Charitable and Educational Trust, Dallas, Texas, in memory of Roy and Christine Sturgis.

D. O. and Madeline Talbot: Funds provided by Mr. and Mrs. D. O. Talbot.

Dr. and Mrs. J. Dudley Talbot: Funds provided by Dr. and Mrs. Talbot. Two awarded annually.

Baxter Cooksey and Nadine Jane Bowen Talley: Funds provided by Baxter Cooksey Talley. Preference shall be given to an agri student selected by the Department of Agriculture.

Homer D. and Geraldine Talley: Funds provided by Mrs. Geraldine Talley. Preference shall be given to an agri student.

Milton B. Talley: Funds provided by Dr. Bennie Walthall, other alumni, and friends.

Milton B. and Alice Wallace Talley: Funds provided by Mrs. Milton Talley, alumni, and friends.

Walter Francis Tate, Jr.: Funds provided by the Walter Tate, Jr., family, alumni, and friends in memory of Mr. Tate.

Dorothy Lee White Therrell: Funds provided from the estate of Dorothy Lee White Therrell.

Bill, David, and Horace Thomas: Funds provided by Mrs. Lola Jenkins Thomas in honor of her sons.

James Archibald and Sara Willie Newton Thomas: Funds provided by Mrs. Claudia Thomas Baker in memory of her parents.

Mr. Sam T. and Dr. Ann Keese Thomas: Funds provided by Mr. and Mrs. Sam T. Thomas. Preference shall be given to students interested in counseling.
William R. and Lola Jenkins Thomas: Funds provided by Gretchen P. and William R. Thomas, Jr. in honor of his parents. Preference shall be given to pre-engineering students.

Leland E. Tollett: Funds provided by Mr. and Mrs. Leland Tollett. Preference shall be given to students in the field of agriculture.

Ellie Tucker: Funds provided by Mr. and Mrs. Ernest E. Graham in memory of Miss Tucker. Preference shall be given to students who have average, but not necessarily superior academic ability, and who have financial need.

Ellie Tucker: Funds provided by Mrs. Janice Tucker Brummett and other members of the Tucker family in memory of Miss Tucker.

Coach Danny Turner: Funds provided by Mr. and Mrs. James Turner in memory of their son. Preference shall be given to Arkansas students.

Jean McFadden Turner: Funds provided by Mr. and Mrs. John Turner.

John, Jean McFadden, and Jan Turner: Funds provided by John, Jean, and Jan Turner.

Dr. William Vance: Funds provided by Drs. William and Rosemary Vance and Mr. Calvin Wetzig in honor of Dr. William Vance.

Charles O. (Bubba) Wade, Jr.: Funds provided by Mr. Charles O. Wade and friends of Mr. Wade. Preference shall be given to students participating in rodeo activities.

Gen. Horace and Christine Murphy Wade: Funds provided by Gen. and Mrs. Horace Wade.

A. P. (Pete) and Evelyn Walker: Funds provided by Mr. and Mrs. A. P. Walker.

Dr. Robert B. Walz: Funds provided by the Walz family, alumni, and friends.

Dr. and Mrs. Robert B. Walz: Funds provided by the estate of Curtistine Walz. Two awarded annually. Preference shall be given to junior or senior history or political science majors.

Dr. James Samuel Watkins, III: Funds provided by Mr. and Mrs. Richard Clark. Preference shall be given first to children of employees of Peoples Bank and second to graduates of the high schools of school districts in which Peoples Bank or a branch of Peoples Bank is located. Preference shall also be given to the student with greatest financial need.

John R. Watson: Funds provided by the family and friends of John R. Watson in his memory. Preference shall be given to a student majoring in vocational agricultural education.

Omer Watson: Funds provided by Mr. and Mrs. Omer Watson and Mr. Calvin Wetzig in honor of Mr. Watson. Preference shall be given to a math major or math education major.
Dr. Larry A. Weaver: Funds provided by Mr. and Mrs. Luther P. Weaver in honor and memory of their son.

Pat Weaver/Alumni Association: Funds provided by alumni and friends and Miss Weaver.

Patsy J. Weaver: Funds provided by Miss Weaver.

Ralph Weiser: Funds provided by Mr. Ralph Weiser. Two awarded annually.

Anna Mae Adams Wetzig: Funds provided by Magnolia Hospital Auxiliary in honor of Mrs. Wetzig. Preference shall be given to a student in nursing education.

Calvin U. Wetzig: Funds provided by Mr. and Mrs. Calvin U. Wetzig. Preference shall be given to a senior math or math education major who has completed eight hours of junior or senior math and receives the recommendation of the mathematics faculty.

Dr. Joseph Burleson Wharton, Jr.: Funds provided by Mrs. Clark N. Barton, Mr. and Mrs. Thomas P. Barton, and Mr. and Mrs. James Matheney in honor and memory of Dr. Wharton. Preference shall be given to students in nursing education.

Richard Thomas and Gayle Webb White: Funds provided by Richard and Gayle White. Preference shall be given to a business student.

Selwyn and Mary Anna Whitehead: Funds provided by Mr. and Mrs. Selwyn Whitehead.

Dr. James H. Whitmore: Funds provided by Tyson Foods, Inc. in memory of Dr. Whitmore. Preference shall be given to a student planning to enter the poultry field. The recipient shall be selected by the Department of Agriculture.

Drs. James H. and Bonnie Kirby Whitmore: Funds provided by Drs. James and Bonnie Whitmore. Preference shall be given to students in the field of agriculture.

James E. (Sonny) Whittington: Funds provided by Mr. and Mrs. Claude Wilson, Jr. in honor of Mr. Whittington. First preference shall be given to a graduate of Rison High School; second preference to a graduate from Cleveland County; and third preference to any student preparing for a career in coaching.

Col. Charles S. and Orleta Wilkins: Funds provided by Col. Charlie S. Wilkins. Two awarded annually with one designated for an athlete.

VAdm. Joe, Jr. and Margaret Smith Williams: Funds provided by VAdm. and Mrs. Joe Williams, Jr.

Kelly and Sara Halliday Williams: Funds provided by Reverend and Mrs. Kelly Williams and friends.

C. Fred Williamson: Funds provided by Mr. Frank Merritt.
Annie B. Wilson: Funds provided by Mr. and Mrs. Joseph B. Wilson and Mrs. Mary Louise Wilson Pickens in honor of their mother. Preference shall be given to active members of the First Baptist Church of Magnolia, Arkansas.

Edward Alton and Izora McCollum Wilson: Funds provided by Mr. E. A. Wilson, his daughters and friends. Preference shall be given to a member of the basketball team or a 4-H member.

Dr. John H. Wilson: Funds provided by Dr. John H. Wilson.

Ralph and Vahnita Delaney Wilson: Funds provided by Dr. and Mrs. Ralph Wilson.

E. M. Wooley: Funds provided by Mrs. Kathryn Wooley Coffey in memory of Mr. Wooley. Preference shall be given to students who have average, but not necessarily superior academic ability, and who have financial need.

Buddy and Linda Wray: Funds provided by Mr. and Mrs. Wray. Preference shall be given to an agri student.

Mary K Wyrick: Funds provided by Mr. Frank Merritt in memory of his cousin. Two awarded annually.

Ruth and Curtis Youngblood: Funds provided by Mr. and Mrs. Curtis Youngblood in memory of his sister.

Academic Enrichment Endowments

Academic enrichment endowments serve to enhance and to strengthen the Southern Arkansas University curriculum.

Daisy Rhea Abbott: Funds provided by Mr. and Mrs. John W. Rhea, Jr. in memory of his mother for the Department of History, Political Science, and Geography.

Agri Department: Funds provided by alumni and friends of the Department of Agriculture.

Agri Livestock Showteam: Funds provided by alumni and friends.

Agri Matching: Funds provided by alumni and friends.

Agri Student Managers: Funds provided by alumni and friends of the Department of Agriculture.

Amfuel Lecture: Funds provided by Amfuel of Magnolia for the School of Science and Technology to bring a nationally recognized speaker to the campus annually.

Maya Johnson Angelou: Funds provided by Dr. Suzanne Jessup, in honor of Miss Angelou, for a graduate assistantship in the Gifted and Talented Education Program.
**Biology Department:** Funds provided by Miss Marie King and biology alumni for the purchase of general biology supplies and equipment and for repair to Department of Biology equipment.

**Biology Field Trip:** Funds provided by biology alumni and other alumni for biology faculty field research.

**Bessie Graves Blair:** Funds provided by Mr. and Mrs. W. B. (Pete) Baucum in memory of her mother for environmental education.

**Louis J. Blanchard:** Funds provided by Mr. and Mrs. Louis Blanchard, alumni, and friends for the Department of Accounting.

**Louis J. Blanchard:** Funds provided by alumni, family, and friends of Mr. Louis Blanchard to provide a Professorship in Accounting.

**Louis J. Blanchard:** Funds provided by Mr. and Mrs. Louis Blanchard to endow an office in the Business/Agri-Business Building.

**Dr. Ralph F. and Leila W. Boulware:** Funds provided by Dr. and Mrs. Boulware for a professorship for the Department of Agriculture.

**Brown Foundation:** Funds provided by the Brown Foundation for the School of Science and Technology.

**C. C. Callaway Family:** Funds provided by Mr. and Mrs. Sam Thomas for Counselor Education.

**William J. Carlisle:** Funds provided by Mr. W. J. Carlisle for the School of Business Administration.

**Chemistry Department:** Funds provided by alumni and friends of the Department of Chemistry.

**Oliver and Mary Jane Elliott Clegg:** Funds provided by Roger and Carolyn Clegg Giles in honor of her parents for the performing arts recital series.

**Charles G., III and Donna Jo Sibley Colquitt:** Funds provided by Mr. and Mrs. Charles Colquitt, III in memory of Richard Oliver for the Department of Music.

**Harvey C. Couch:** Funds provided by Arkansas Power and Light Company in memory of Mr. Harvey C. Couch for student achievement.

**Josephine Blair Davis:** Funds provided by Mrs. Davis for environmental education.

**Department of Music:** Funds provided by alumni and friends for the Department of Music.

**Rudolph and Sharon Miller Eichenberger:** Funds provided by Dr. and Mrs. Rudolph Eichenberger for the physics program.
Emerson, Thomas, Crone: Funds provided by Sarai Thomas Crone, her family, and friends for a Lectureship in Humanities.

English Department: Funds provided by alumni and friends.

Evers & Emrich, PLLC CPAs: Funds provided by Evers & Emrich for the School of Business Administration and for a room in the Business/Agriculture-Business Building.

Farmers Bank & Trust Company of Magnolia: Funds provided by Farmers Bank & Trust Company to endow a room in the Business/Agriculture-Business Building.


Ila Verne Crisp Franks: Funds provided by Mrs. Franks for the Department of Music.

Tiffany R. Weaver Hayes: Funds provided by Miss Pat Weaver in honor of her niece for the School of Business Administration.

Mr. and Mrs. James E. Haynes: Funds provided by Mr. and Mrs. Haynes for the Department of Physical Science.

Dr. and Mrs. S. D. Hensley: Funds provided by Dr. and Mrs. Hensley for the Department of Agriculture.

History: Funds donated by alumni and friends of the Department of History.

Ralph E. and Ruth W. Holiman and Charles W. and Carrie A. Trexler: Funds provided by Mr. and Mrs. Holiman and Mrs. and Mrs. Trexler to endow a room in the Business/Agriculture-Business Building.

Jerry G. Horne: Funds provided by Mr. and Mrs. Jerry G. Horne for undergraduate instrumental music research.

Edward P. Kardas, Sr.: Funds provided by Mrs. Edward P. Kardas, Sr. and SAU alumni for the psychology program.

Lois Gean Kelly: Funds provided by Lois Gean Kelly and Nancy and John Park for the Department of Music.

Marie King: Funds provided by Miss Marie King for biology student trips.

Cathy Cleaver Kruka: Funds provided by John and Nancy Cleaver Park and Lois Gean Kelly in memory of Mrs. Park's sister and Mrs. Kelly's niece for piano competition.

Dr. Corbet Lamkin: Funds provided by Dr. and Mrs. Corbet Lamkin to endow an office in the Business/Agri-Business Building.

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**Athletic Enrichment Endowments**

Athletic enrichment endowments serve to enhance and to strengthen the Southern Arkansas University athletic programs.

Jim and Peggy Bailey: Funds provided by friends of Mr. and Mrs. Jim Bailey.

Sam D. and Mildred W. Bailey: Funds provided by alumni and friends.

Welton R. and Sue Martin Bailey: Funds provided by Mr. and Mrs. Bailey and their children.

Baseball: Funds provided by alumni and friends of baseball.

T. H. (Speedy) and Alice Foster Bradley: Funds provided by Mr. and Mrs. T. H. Bradley.

John L. and Margaret B. Clary: Funds provided by Mr. and Mrs. John Clary.

Jack and Louise Clemens: Funds provided by the Clemens children in memory of their parents.
Frank and Martha Dolan: Funds provided by Mr. and Mrs. Frank Dolan.

Dr. Margaret R. Downing: Funds provided by alumni and friends.

Mr. and Mrs. Grady E. DuPriest: Funds provided by Mr. and Mrs. Grady E. DuPriest.

Hollis and Cecelie Eads and Family: Funds provided by the Hollis Eads family.

Dr. and Mrs. Tommy Edwards: Funds provided by Dr. and Mrs. Tommy Edwards.

W. P. Florence, Sr.: Funds provided by Mr. W. P. Florence, Jr., in memory of his father.

Don Franks: Funds provided by Mr. Don Franks.

Dan and Beth Galway: Funds provided for the baseball program by Mr. and Mrs. Dan Galway.

T. O. and Estelle Hamaker: Funds provided by Mr. and Mrs. T. O. Hamaker and their children.

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Harold H. Hime: Funds provided by Mr. and Mrs. Paul E. Hime in honor of his brother.

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Ralph and Ruth Holiman: Funds provided by Mr. and Mrs. Ralph Holiman.

Leanne Johnson: Two funds provided for women's athletics by Ms. Leanne Johnson.

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Dr. Delwin and Billie Franks Ross: Funds provided by an anonymous donor in honor of Dr. and Mrs. Ross.

SAU Athletics: Funds provided by alumni and friends of the athletic program. Two awarded annually.

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Auburn P. Smith: Funds provided by Mr. Auburn Smith, his former students, and his friends. Two awarded annually.

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University Enrichment Endowments

University enrichment endowments serve to assist the students, faculty, and staff of the University.

Alumni Association: Funds provided by alumni and friends to supplement other SAU Honor Professor funds.

Floy Childs: Funds provided by alumni and friends in memory of Mrs. Childs for non-scholarship financial aid to a working student of good character and financial need.

Dr. W. Ves and Holly Hartrick Childs: Funds provided by Dr. and Mrs. W. Ves Childs for non-scholarship financial aid.

Frankie and Dawn Duckett: Funds provided for greatest need by Mr. and Mrs. Frankie Duckett.

Cinda A. Hallman: Funds provided by Ms. Hallman for non-scholarship student financial aid.

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Calvin U. Wetzig: Funds provided by alumni and friends in honor of Mr. Calvin U. Wetzig for the faculty award for excellence in teaching.

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Mary Anna King Whitehead: Funds provided by Governors of the SAU Foundation, Inc. in memory of Mrs. Whitehead for SAU staff excellence awards. Two awarded annually.

E. M. Wooley: Funds provided by Mrs. Kathryn Wooley Coffey in memory of her father to help students who are not on a regular scholarship fund, but need assistance.

Reuben Wooley: Funds provided by Mrs. Kathryn Wooley Coffey in memory of her brother for non-scholarship student aid.

SAU Alumni Association

All students who have attended Southern Arkansas University are eligible to be members of the Alumni Association. The Alumni Office plans various yearly events to which former students and friends are invited. Such events include Homecoming in the fall, reunions, presentation of the gold honor tassels, dinners for graduating seniors, presentation of the Young Alumni and Distinguished Alumni Awards, and meetings of alumni in surrounding areas. The alumni publication, THE SAU STATER, is mailed to all former students who keep their addresses current in alumni files.
SAU Buildings and Grounds

Southern Arkansas University is located on a tract of land of approximately 738 acres. One hundred and sixty-two acres are included in the campus, and 569 acres are used by the Department of Agriculture as a laboratory for its students. The buildings, predominantly brick structures, provide 966,671 square feet of usable space. The topography is of moderate elevation, and the landscape slopes gently in all directions from the center of campus.

The Agricultural Education Building is a 5000 square foot prefabricated steel building completed in 1980. Included in the building are an office and classroom, restrooms, a storage room, and a 3,600-square foot shop area. The shop area is used to teach agricultural systems technology and was designed to model agricultural shops used in high school programs.

The Baseball Field is the home of the Mulerider baseball team. The press box, opened in 1990, houses a modern broadcast facility for intercollegiate baseball and trophies for five consecutive Arkansas Intercollegiate Conference titles.

The Brinson Fine Arts Building is a modern brick and steel structure housing six major studios, a public gallery, a student gallery, a theater style lecture hall, a photograpics laboratory, a band hall, a choir room, six music practice rooms, a piano laboratory, and offices for both art and music faculty. This striking, sculptural structure places the arts directly within the intellectual and geographic central hub of the SAU campus. A broad expanse of glass allows casual passersby to observe the displayed works of student artists.

The Brown Health, Kinesiology, and Recreation Complex and the Watson Athletic Center, built of brick, tile, and concrete, houses a gymnasium seating approximately 2,200 people, an auxiliary gymnasium, an indoor pool meeting AAU standards, an athletic training facility, a physical therapy center, a kinesiology laboratory, a physical-fitness/weight-room center, a dance studio, shower and locker rooms, and faculty offices and classrooms for the Department of Health, Kinesiology, and Recreation.

The Imon E. Bruce University Center is a two-story building which provides facilities for social and recreational activities. The cafeteria, two private dining rooms, and kitchen occupy the lower floor. The bookstore, post office, game room, snack bar, conference rooms, and a large student lounge used for receptions and dances occupy the main floor. The Office of Student Life and IMPACT Office are also located on the main floor at the south end of the building.

The Business/Agriculture-Business Building is a spacious brick structure with two computer labs, four seminar rooms, ten lecture classrooms, and offices of the School of Business. Graced by a three-story atrium, this building was
designed to present the image of a corporate headquarters and features a technologically advanced videographic projection system that provides access to satellite, cable, video, and computer graphic capabilities. A student lounge is complete with refreshment areas and conference rooms.

**Childs Hall** contains offices, classrooms, and laboratories for agronomy, anatomy and physiology, animal science, entomology, forestry, horticulture, and plant science. Cattle barns, milking parlor, silo, feed mill, implement sheds, farm shop, feeding barns, storage buildings, and a green house are adjacent to this facility.

**Cross Hall** houses faculty offices for the School of Education; video viewing demonstration laboratories for graduate practicums; classrooms; the Department of History, Political Science, and Geography; and the Curtistine A. Walz Center for the Study of Cliometrics and Public Opinion.

**Dolph Camp Building** was renovated and enlarged in December of 2001 to provide a new home for University Technology Services, two state of the art computer labs and a video conference center. The structure also houses a recital hall, seating 128, equipped with a grand piano, a harpsichord, and a baroque pipe organ.

**Faculty Housing**. The University maintains six apartments, four duplexes, and 20 detached houses for faculty and staff.

**The Greek Amphitheater**, completed in 1938, is a concrete structure seating 500 people for outdoor activities such as plays, pep rallies, and concerts.

**The Lowell A. Logan Biological Field Station**, completed in 1988, is on a separate tract of land some 10 miles from campus on Lake Columbia. This facility provides on-site laboratories and overnight accommodations for SAU students and faculty doing ongoing biological research and studying the development and ecological maturing of a water source. Special recreational opportunities are also developed around the Field Station.

**The John F. and Joanna G. Magale Library** is a comprehensive library-learning resource center located on the central quadrangle of the campus. Housing approximately 150,000 print volumes, more than 8,000 audio/visual items, and over 900 periodical titles, the Magale Library, with seating for 600, serves students and faculty. The library is a depository for state and federal documents. The first floor of the building houses the Rosemary Rhea Regional Arts in Education Center and Gallery, The Curriculum Center, and the Educational Media Center.

**The National Guard Armory**, situated on the west side of the campus, is a brick faced, clear span steel structure of modern design completed in the fall of
1976. It houses the offices and classrooms of the Arkansas National Guard. This structure includes six classrooms, a lounge, a kitchen, and a large assembly hall.

**Nelson Hall**, newly renovated in 1995, is a two-story building which houses the enrollment management group of administrative offices. Included are the Office of Admissions, the Office of the Alumni Director, the Academic Advising and Assistance Center, the Communication Center, the Office of Counseling and Testing/Disability Support Services, the Employment Resource Center, the Office of the Registrar, and offices for ADAPT, Foundation/Development, International Students.

**Overstreet Hall** fronts the campus with a lofty, pillared, colonial facade. A three-story building, it houses the chief administrative offices of the university along with the Business Office and the Office of Financial Aid on the first floor. On the upper floors are the biology and chemistry laboratories, lecture rooms, and offices. The north extension houses the offices, classrooms, and workrooms of the Department of Theatre and Mass Communication and the 500-seat **Margaret Harton Theater**, which faces the central quadrangle.

**The Ozmer House** is a restored dogtrot-type farmhouse built in 1883. It is used as a center to study regional culture. The Ozmer House is significant because it epitomizes the homes of family farmers in South Arkansas from the end of the Civil War until the early years of the twentieth century. It is an exceptionally well-built and well-preserved example of the board-and-batten box construction.

**J. M. Peace Hall**, a two-story building, is located on the east side of the campus. It is the current home of the Department of Behavioral and Social Sciences and the Reading Center.

**The Physical Plant Facility**, a modern metal building on the southwestern part of the campus, houses the maintenance shops, offices, central supply, and warehouse facilities. A campus-wide automation system operated at the Plant provides over 4,000 points of energy conservation and remote monitoring.

**The President's Home** is a modern-style residence of brick and glass located picturesquely on a landscaped lot overlooking the main campus.

**The Student Activities Building** is a multipurpose building for free play in basketball and volleyball and for a wide variety of other activities such as movies, dances, and pep rallies.

**Student Housing.** Southern Arkansas University provides six modern residence halls, two for women, three for men, and one for special groups needing temporary housing on campus.
Tennis Courts. There are 10 lighted courts located by the Physical Education Building. These courts are available for free play when not scheduled for classes and tournaments.

The Water Tower is a 187-foot tall Cor-ten steel structure constructed in 1976. Near the top is a peal of 14 cast bronze bells. The tower provides a prominent architectural landmark to identify the Southern Arkansas University campus and a 50,000 gallon water supply for surrounding facilities. The water tower itself was awarded “Steel Tank of the Year” by the Steel Plater Fabricator's Association in 1976 and has been featured in Southern Living Magazine. In 1988, a tradition was established when the Water Tower was decorated into a 187-foot illuminated holiday candle.

The Wharton Nursing Education Building is a modern structure built in 1971 and consists of classrooms, demonstration and clinical laboratories, and tutorial lab.

Wilkins Stadium, with seating for 6,000 persons, a modern press box, and dressing rooms in the Auburn P. Smith Field House, is a completely equipped facility for football.

Wilson Hall, a classroom and laboratory building of brick, steel, and glass was completed in 1970. The first floor houses the computer labs and classrooms, and the offices of student publications and other student groups. Offices, classrooms, and laboratories for mathematics, geology, engineering, and physics and a lecture hall occupy the second floor. On the third floor are offices and classrooms for English, foreign languages, and philosophy; a sophisticated language laboratory; and an electronic learning center.
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Policies Disclaimer
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No person shall, on the grounds of race, age, color, sex, disability, or national origin, be denied admission to or employment at Southern Arkansas University, Magnolia, or be excluded from participation in, denied the benefits of, or subjected to discrimination in any program or activity sponsored by the University.

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Southern Arkansas University is governed by the Family Educational Rights and Privacy Act of 1974 as amended. Students are notified through the Schedule of Classes published each semester that they have the right to inspect and review their educational records; to request an amendment of their records to ensure that they are not inaccurate and not misleading or otherwise in violation of their privacy or other rights; to consent to disclosures of personally identifiable information contained in their educational records, except to the extent that the Act and the regulations authorize disclosure without consent; to file with the U.S. Department of Education a complaint concerning alleged failures by the institution to comply with the requirements of the Act; and to secure a copy of the institution's policy regarding how the institution meets the requirements of the Act. A copy of the policy may be secured in the Office of the Vice President for Student Affairs in Overstreet Hall, room 107.

The Family Educational Rights and Privacy Act provides that directory information will be available to the general public. Directory information means information contained in an educational record of a student which would not generally be considered harmful or an invasion of privacy if disclosed. It includes the student's name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended.

Should an enrolled student not wish directory information released to the general public, the student should notify the Office of the Vice President for Student Affairs in Overstreet Hall, room 107, no later than the end of registration week of each semester or term that all or part of the directory information should not be released without prior consent.