

# **Southern Arkansas University Magnolia**

**Graduate Catalog  
2020-2021**



Published by Southern Arkansas University, 100 E. University, Magnolia, AR 71753

#### Student Responsibility

It is the responsibility of the student to review the rules, regulations and policies of the University graduate catalog. The University reserves the right to make changes to policies herein as circumstances deem necessary. The current version of the University catalog can be found at [www.saumag.edu](http://www.saumag.edu).

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#### The Southern Arkansas University System

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

Southern Arkansas University is a quality, comprehensive, regional university located in Magnolia, Ark. SAU provides quality four-year undergraduate programs offering baccalaureate degrees, associate degrees, and selected master's degrees. Other information, including this catalog, is available at the website: [www.saumag.edu](http://www.saumag.edu).

Southern Arkansas University Tech is located in East Camden, Ark. It is a two-year comprehensive college specializing in technical training and offers the first two years of a university transfer program. Further information is available at the website: [www.sautech.edu](http://www.sautech.edu).

#### 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 provides an environment conducive to excellence in teaching and learning, scholarship, creative endeavors, and service.

Revised 2017

#### School of Graduate Studies Mission Statement

The mission of the Southern Arkansas University School of Graduate Studies is to prepare individuals for positions of leadership in a variety of professions by providing advanced and specialized education. The curricula and instructional technologies are designed to meet the needs of students and to prepare them to compete in a diverse and dynamic society.

Welcome to SAU  
Information

Academic Programs .....	Vice President for Academic Affairs
Admission and General Information .....	Assistant Vice President for Enrollment Services
Alumni Affairs .....	Director of Alumni Relations
Business Affairs .....	Vice President for Finance
Continuing Education and Extension	
Courses .....	Coordinator of Continuing Education
Evaluation of Credits, Transcripts, and Veterans Affairs .....	Registrar
Gifts .....	Vice President for Advancement
Graduate Studies .....	Dean of Graduate Studies
Housing .....	Dean of Housing
Financial Aid .....	Director of Financial Aid
International Admissions .....	Assistant Vice President for Enrollment Services
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
Student Employment .....	Director of Career Services
Student Teaching .....	Director of Field Experiences, College of Education
University Administration .....	President

Visitors

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

- Temporary parking permits can be obtained from the University Police.
- Visitors should contact the Office of Admissions (for undergraduate information) at (870) 235-4040 or the School of Graduate Studies (for graduate information) at (870) 235-4150 for an appointment or for further information.
- The University switchboard number is (870) 235-4000.
- The SAU fax number is (870) 235-5005.
- The toll-free number for the School of Graduate Studies is (866) 921-5179.
- The SAU website is [www.saumag.edu](http://www.saumag.edu).



University Calendar  
2020-2021

**Fall 2020**

August 10	Monday	Late Registration, Advising and Mulerider Round Up
August 11	Tuesday	Late Registration and Advising
August 11	Tuesday	Classes begin
August 14	Friday	Last date to apply for December graduation
August 18	Tuesday	Last date of entrance and course additions
September 7	Monday	Labor Day Holiday
September 28	Monday – 10:00 am	Virtual class meeting day Mid-semester grades due in the Office of the Registrar
October 21	Wednesday	Last date for dropping courses
October 21	Wednesday	Last date for withdrawing from the University without punitive grade
October 26	Monday	Last date to change <i>I</i> grades in the Office of the Registrar
November 17	Tuesday	Final examinations begin
November 20	Friday	Semester ends
November 21	Saturday	Commencement
November 30	Monday – 10:00 am	Final grades due to Registrar

**Fall Intersession 2020**

November 30	Monday	Late Registration and Advising
December 1	Tuesday	Fall intersession classes begin
December 16	Wednesday	Last date for dropping courses
December 16	Wednesday	Last date for withdrawing from the University without punitive grade
December 31	Thursday	Fall intersession classes end
January 4	Monday – 10:00 am	Final grades due to Registrar

**Spring 2021**  
**Tentative – Dates are subject to change**

January 11	Monday	Late Registration and Advising
January 12	Tuesday	Late Registration and Advising
January 13	Wednesday	Late Registration with penalty
January 13	Wednesday	Classes begin
January 15	Friday	Last date to apply for May graduation
January 18	Monday	Martin Luther King, Jr. Holiday
January 21	Thursday	Last date of entrance and course additions
March 8	Monday – 10:00 am	Mid-semester grades due in the Office of the Registrar
March 22-26	Monday – Friday	Spring vacation
March 29	Monday	Classes resume
March 31	Wednesday	Last date for dropping courses
March 31	Wednesday	Last date for withdrawing from the University without punitive grade
April 26	Monday	Last date to change <i>I</i> grades in the Office of the Registrar
May 3	Monday	Final examinations begin
May 6	Thursday	Semester ends
May 7	Friday	Commencement
May 9	Sunday – 11:59 pm	Final grades due to Registrar

**Spring Intersession 2021**  
**Tentative – Dates are subject to change**

May 6	Thursday	Last date to register for Spring intersession classes
May 10	Monday	Spring intersession classes begin
May 13	Thursday	Last date for dropping courses
May 13	Thursday	Last date for withdrawing from the University without punitive grade
May 21	Friday	Spring intersession classes end
May 24	Monday – 10:00 am	Final grades due to Registrar

**Summer 2020  
First Term  
Tentative – Dates are subject to change**

May 24	Monday	Advising and registration
May 25	Tuesday	Classes Begin
May 26	Wednesday	Last date of entrance and course additions
May 31	Monday	Memorial Day
June 4	Friday	Classes meet to make-up for Memorial Day
June 9	Wednesday	Last date for dropping courses
June 9	Wednesday	Last date for withdrawing from the University without punitive grade
June 24	Thursday	First summer term ends
June 28	Monday – 10:00 am	Final grades due to Registrar

**Summer 2020  
Second Term  
Tentative – Dates are subject to change**

June 28	Monday	Advising and registration
June 29	Tuesday	Classes begin
July 30	Wednesday	Last date of entrance and course additions
July 5	Monday	Independence Day Holiday Observed
July 9	Friday	Classes meet to make-up for Independence Day
July 14	Wednesday	Last date for dropping courses
July 14	Wednesday	Last date for withdrawing from the University without punitive grade
July 29	Thursday	Second summer term ends
July 30	Friday	Commencement
August 2	Monday – 10:00 am	Final grades due to Registrar

**University Calendar for 7-Week Terms  
2020-2021**

**Fall 2020**

August 11	Tuesday	Classes begin (1st 7-weeks)
August 13	Thursday	Last day for course additions (1st 7-weeks)
September 7	Monday	Labor Day Holiday
		Virtual class meeting day
September 9	Wednesday	Last date to drop 1st 7-weeks courses
September 29	Tuesday	Classes end for 1st 7-weeks; Final exams
September 30	Wednesday	Final grades due to Registrar by 10:00 a.m.
September 30	Wednesday	Registration for 2nd 7-weeks
October 1	Thursday	Second 7-weeks classes begin
October 5	Monday	Last day for course additions (2nd 7-weeks)
October 30	Friday	Last day to drop 2nd 7-weeks courses
November 17	Tuesday	*Final examinations begin

\*Second 7-weeks courses follow the traditional final examination and grade submission schedule.

**Spring 2021**

**Tentative – Dates are subject to change**

January 13	Wednesday	Classes begin (1st 7-weeks)
January 15	Friday	Last day for course additions (1st 7-weeks)
January 18	Monday	Martin Luther King Jr. Holiday
February 10	Wednesday	Last date to drop 1st 7-weeks courses
March 2	Tuesday	Classes end for 1st 7-weeks; Final exams
March 3	Wednesday	Final grades due to Registrar by 10:00 a.m.
March 4	Thursday	Registration for 2nd 7-weeks
March 5	Friday	Registration for 2nd 7-weeks
March 8	Monday	Second 7-weeks classes begin
March 10	Wednesday	Last day for course additions (2nd 7-weeks)
March 22-26	Monday	Spring Vacation
March 29	Monday	Classes Resume
April 14	Wednesday	Last day to drop 2nd 7-weeks courses
May 3	Monday	*Final examinations begin

\*Second 7-weeks courses follow the traditional final examination and grade submission schedule.

## Southern Arkansas University in Profile

### **Enrollment**

Southern Arkansas University has an enrollment of approximately 4,475 students. In the fall 2019 semester, there were 3,586 undergraduate students and 889 graduate students.

### **Faculty**

Southern Arkansas University faculty are recognized experts in their fields, with many having national and international reputations as scholars and researchers. In order to maximize interaction between students and faculty, SAU maintains small class sizes in most academic programs.

### **Library**

The Magale Library is a center for scholarly activity at SAU. The library's collections include approximately 143,000 volumes, 14,000 audio-visual titles, 374,000 microfilm and microfiche pieces, 55,000 government documents, 372 periodical subscriptions, 168,000 e-books from 12 digital libraries, 97,000 online streaming academic videos, and online full-text access to 116,000 periodical titles from over 185 databases with indexing and abstracts for additional titles. The library provides additional study resources including 108 desktop computers in open labs, 16 laptop computers, 20 computer study rooms, 9 multimedia study rooms, and 2 labs for library instructional purposes with 44 and 17 desktop computers. Magale Library staff provides face-to-face and electronic library research assistance, instructional class sessions, online video tutorials, and library guides to assist users with their information needs. The library also hosts many educational and cultural events throughout the year. Online access to library resources is available through the library homepage at <http://web.saumag.edu/library/>.

### **Honors College**

Southern Arkansas University's Honors College provides courses with small class sizes that challenge and inspire students to achieve their fullest academic and intellectual potential. Students are admitted based upon a global assessment of academic potential. ACT scores, high school GPA, required submitted essays, letters of recommendation and other relevant information are examined. Students must complete an online application and provide two letters of recommendation and two essays. One essay should be from high school class work; the other should say why they wish to enroll in the Honors College. SAU students who have a college grade point average of 3.50 or higher may also apply for admission. Other criteria may also be used to determine eligibility. Once accepted into the Honors College, students will enroll in honors general education courses created especially for them with small class sizes.

Honors College students must complete no less than 24 hours of honors courses. They must complete a minimum of nine hours (including HC 1003, Honors Seminar) of general education honors courses and may complete a maximum of 15 hours of general education honors courses. To complete their required honors hours they may take six to 15 hours of honors upper division courses. These courses need not be in their major. Honors students may take more than 24 total honors hours if they meet the requirements for general education and upper division course distribution. These academic accomplishments will be acknowledged on the transcripts and diplomas of Honors College graduates. Their academic achievement will also be recognized at graduation.

Honors College students are awarded a \$600 stipend per academic year.

For more information about the Honors College at Southern Arkansas University, contact the Honors College at [epkardas@saumag.edu](mailto:epkardas@saumag.edu), (870) 235-4375, or (870) 904-8897

### **Residential College**

The Residential College is a selective living/learning community designed for freshmen students that focuses on students' academic and personal success through leadership development, citizenship, and service learning. To be eligible for the program, a student must be a beginning freshman, have a composite ACT score of at least 22, and have leadership/volunteer experience in high school. RC students also enroll in courses together during their first year at SAU and take an active role in planning and initiating activities and service projects in their residence hall and across campus. Members of the RC may apply to be a part of the Sophomore Residential College after their first year at SAU.

### **Accreditation**

Southern Arkansas University is accredited by the following entities:

#### AACSB International

The Association to Advance Collegiate Schools of Business  
777 South Harbour Island Boulevard, Suite 750  
Tampa, FL 33602  
(813) 769-6500  
[www.aacsb.edu](http://www.aacsb.edu)

#### The Higher Learning Commission

30 North LaSalle Street, Suite 2400  
Chicago, IL 60602-2504  
(312) 263-0456 or 800-621-7440  
[www.ncahlc.org](http://www.ncahlc.org)

#### The Council for the Accreditation of Education Preparation (CAEP)

1140 19<sup>th</sup> Street N.W.  
Suite 400  
Washington, D.C. 20036  
(202) 223-0077  
[www.caepnet.org](http://www.caepnet.org)

#### Accreditation Commission for Education in Nursing, Inc. (ACEN)

3343 Peachtree Road NE  
Suite 850  
Atlanta, Georgia 30326  
(404) 975-5000  
[www.acenursing.org](http://www.acenursing.org)

#### National Committee for Accreditation of Coaching Education (NCACE)

364 Pattenon Drive #272  
Morgantown, WV 26505  
[www.uscoachexcellence.org](http://www.uscoachexcellence.org)

#### Council on Social Work Education

1725 Duke Street, Suite 500  
Alexandria, VA 22314-3457  
(703) 519-2058

[www.cswe.org](http://www.cswe.org)

Commissions on Accreditation of Athletic Training Education  
6836 Austin Center Blvd, Suite 250  
Austin, TX 72731-3193  
Phone – (512) 733-9700  
Fax – (512) 733-9701  
[www.caate.net](http://www.caate.net)

National Alliance of Concurrent Enrollment Partnerships (NACEP)  
P.O. Box 578  
Chapel Hill, NC 27514  
(909) 593-5205  
[www.nacep.org](http://www.nacep.org)

**Memberships**

SAU holds memberships in the following national organizations:

The Higher Learning Commission  
American Council on Education  
American Association of Colleges for Teacher Education  
American Association for Higher Education and Accreditation  
American Association of University Women  
The Association to Advance Collegiate Schools of Business International  
Conference of Southern Graduate Schools  
National Association of Schools of Music  
National Collegiate Athletic Association  
National Collegiate Honors Council  
National Commission on Accrediting  
Council for the Accreditation of Educator Preparation/ National Council for the  
Accreditation of Teacher Education  
National Council of Educational Opportunity Associations  
National League for Nursing  
United States Center for Coaching Excellence

### **An Endowment**

*The Southern Arkansas University Foundation, Inc., Endowments: The Key to Progress.*

Endowments create a financial bridge for students in need, enhance academic and athletic offerings, and ensure that programs and facilities are able to meet increased curriculum and technology demands. Individuals, businesses, and civic organizations have established over 800 endowments to strengthen the University through Southern Arkansas University Foundation, Inc. These endowments provide a steady stream of income that supports students, faculty, and programs regardless of the ebb and flow of state funding and grants.

As a perennial funding resource for the University, endowments are indispensable to excellence. In fact, the size of an endowment is considered a measure of institutional health because it reflects the value that donors place on the institution. Endowment gifts from alumni and friends ensure SAU's progress.

Created in accordance with the wishes of the donors and the needs of the University, endowments present a special opportunity to commemorate one's own affection for SAU or to honor or memorialize a family member, special teacher, or other individual with a permanent fund that provides a named gift each year. The Foundation works with donors to create opportunities in areas of the donor's greatest interest, including a specific school, department, or other campus entity.

State appropriations now provide less than 25 percent of the University's budget, making endowments critical for the pursuit of excellence. We ask you to consider beginning your endowment today. Call SAU Foundation at 877-235-7409 and ask for the Endowment Worksheet, visit us at [www.saufoundation.org](http://www.saufoundation.org), or call 870-235-4991 to visit with the executive director.

### **Athletics**

SAU sports activities encompass individual and team events. Varsity teams compete in the NCAA Division II Great American Conference with men's competition in baseball, basketball, cross-country, football, golf, tennis, and track and women's competition in basketball, cross-country, golf, softball, tennis, track, and volleyball. Men's and women's rodeo teams also participate in intercollegiate competition. The University sponsors intramural activities throughout the year.



**Graduate Degree Programs**

Graduate study is offered in the following areas leading to a master's degree: Clinical and Mental Health Counseling; College Counseling and Student Affairs; School Counseling; Educational Leadership in Administration and Supervision (Building Administrator P-8/7-12); Education (emphasis area: Curriculum & Instruction, Gifted & Talented, and Special Education); Kinesiology-Coaching; Library Media and Information Specialist; Computer and Information Science; Agriculture; Master of Arts in Teaching; Master of Education in Higher, Adult, and Lifelong Education; Master of Public Administration; and Master of Business Administration.

**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, receptions for graduating seniors, presentation of the Young Alumni and Distinguished Alumni Awards, and meetings of alumni in surrounding areas.

**General Information**

Southern Arkansas University is located in Magnolia, which has a population of 11,577. Magnolia is approximately 55 miles east of Texarkana, 80 miles northeast of Shreveport, and 140 miles south of Little Rock. 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 General Assembly 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 Learning Goals (revised 2012-2013)

To accomplish the University's mission to educate students, the general education curriculum and all program curricula provide learning opportunities that assist students in attaining the following University Learning Goals and Objectives:

#### 1. **Effective Communication**

Our graduates can communicate effectively. Effective communication embraces oral, visual, and language arts, including the ability to listen, speak, read, and write. It includes the effective use of various resources and technology for personal and professional communication.

- Our students can write effectively.
- Our students can effectively deliver an oral presentation.

#### 2. **Personal and Social Responsibility**

Our graduates are prepared to be personally and socially responsible citizens, having the ability to apply knowledge and skills that encourage responsible civic engagement for the advancement of society. This includes an understanding of their own and other cultures and societies and the ability to make informed and ethical decisions.

- Our students demonstrate an understanding of the diversity of their own and other societies and cultures.
- Our students demonstrate an understanding of the process of making informed and ethical decisions.
- Our students demonstrate an understanding of facts within historical and cultural contexts.

#### 3. **Critical Thinking**

Our graduates can think critically, solve problems, and make informed decisions. Critical thinking is the ability to analyze, synthesize, and evaluate information and ideas from multiple perspectives. It includes the accurate use of terminology, information literacy, the application of scholarly and scientific methods, logical argument, and the capability for analysis and problem solving.

- Our students use appropriate quantitative skills in making decisions.
- Our students demonstrate an ability to think critically and creatively to analyze and solve problems.

#### 4. **Information Literacy**

Our graduates can use technology effectively in their fields. Information literacy is the ability to determine the nature of required information, to access it effectively and efficiently, and to evaluate it critically. It includes the responsible, legal, and ethical use of information.

#### 5. **Content Knowledge**

Our graduates have content knowledge in their chosen fields and the necessary skills to be successful. Content knowledge is discipline and degree specific.

As one means of attaining the mission of the University and of providing the student with a basic well-rounded education, all candidates for degrees complete prescribed general education courses. The general education curriculum includes courses that introduce and reinforce learning objectives for the following goals: Effective Communication, Personal and Social Responsibility, and Critical Thinking.

To accomplish the University's mission to educate students, all candidates for degrees complete the prescribed major and minor requirements of the University's degree programs. Curricula in all programs reinforce the learning objectives for effective communication, personal and social responsibility, and critical thinking; curricula in all programs also introduce and reinforce learning objectives for the following goals: Information Literacy and Content Knowledge.

The University measures student learning related to all five University Learning Goals and uses this information to continuously improve the curricula. Assessment reports that describe the ways these goals are integrated into classes are available through the Office of Institutional Effectiveness.

#### Admission to the School of Graduate Studies

Persons seeking admission to the School of Graduate Studies at SAU must submit an application, whether or not they intend to pursue a degree. The application for admission to the School of Graduate Studies may be completed online by visiting our website at [www.saumag.edu/graduate](http://www.saumag.edu/graduate). There is a \$25 fee required to submit an application. After the deadline, the fee will increase to \$100.

**Admission to the School of Graduate Studies at SAU does not imply admission to a graduate degree program. Some graduate programs have additional admission requirements.** Applicants must be in good standing with the institution they last attended (and eligible for re-admission) in order to be eligible for admission to Southern Arkansas University.

Applications must be submitted based on the following deadlines:

- Fall semester: August 1
- Spring semester: December 1
- 1<sup>st</sup> & 2<sup>nd</sup> Summer sessions: May 1

All application materials are submitted to the graduate office. Admission status will be determined when all required materials (listed below) have been submitted. Students will be notified in writing when they have been admitted.

#### Unconditional Admission Status

Applicants may be admitted to the School of Graduate Studies on unconditional status if they earned a baccalaureate degree from a regionally accredited institution and meet the following minimum requirements:

- A cumulative grade point average of 2.50 or above out of a 4.00 system or a 2.75 GPA on the last 60 hours of undergraduate work.
- Application for admission to the School of Graduate Studies ([www.saumag.edu/graduate](http://www.saumag.edu/graduate)).
- Proof of immunizations (MMR).
- Official transcript reflecting a bachelor's or master's degree sent directly from the college or university.
- Admission Test Scores (scores should be no more than five years old)

**NOTE: See test waiver information on page 18 for qualifications.**

Scores should meet requirement A, B or C below:

- A. **GMAT\***- A weighted score of 1,000 or above. (minimum score of 400)  
*Weighted score is obtained by computing the formula:  
GPA x 200 plus the GMAT score = 1,000 or more.*
- B. **GRE\*\*** - A score of 284 or above (verbal plus quantitative scores) or the admission index may be considered if the score is less than 284.
- C. **MAT** - A score of 35 or above on the MAT or an admission index of 850 or above. *Admission index is obtained by computing the formula:  
(GPA x 200) plus (MAT score x 10).*

\*GMAT scores can be retrieved online by the graduate office approximately 20 days after the test is taken.

\*\*GRE scores are accepted for admission to the MBA program as long as the GRE to GMAT conversion score meets the existing admission formula guidelines.

### Conditional Admission Status

Applicants may be admitted on conditional status if they do not qualify for unconditional status because of GPA and/or GMAT/GRE/MAT scores. The minimum requirements for conditional status are ALL of the following:

- A cumulative grade point average of 2.2 or above out of a 4.00 system.
- Application for admission to the School of Graduate Studies ([www.saumag.edu/graduate](http://www.saumag.edu/graduate)).
- Official transcript reflecting a bachelor's or master's degree sent directly from the college or university.
- Proof of immunizations (MMR).
- Admission Test Scores (scores should be no more than five years old)  
Scores should meet requirement A, B or C below:
  - A. **GMAT\***- A weighted score of 900 or above.  
*Weighted score is obtained by computing the formula:  
GPA x 200 plus the GMAT score = 900 or more.*
  - B. **GRE\*\*** - A score of 276 or above (verbal plus quantitative scores)
  - C. **MAT** - A score of 30 or above

*Some colleges/programs may not allow conditional status. Students on conditional status are limited to six hours per semester.*

The conditional status will be removed after the student earns a minimum of 12 semester hours of graduate credit at Southern Arkansas University with a 3.0 GPA, no grade lower than a C, and not more than one course with a grade of C. If a student fails to meet the requirements for removal of conditional status after earning 12 hours of graduate credit, he/she will be denied continuance in graduate courses at SAU.

\*GMAT scores can be retrieved online by the graduate office approximately 20 days after the test is taken.

\*\*GRE scores are accepted for admission to the MBA program as long as the GRE to GMAT conversion score meets the existing admission formula guidelines.

## GPA and Test Requirement Additional Information

**Graduate Entrance Test (GRE, GMAT, or MAT) is waived for students who meet the following criteria:**

- The undergraduate grade point average requirement and admission test requirement are waived for students holding a master's degree from an accredited institution with a cumulative grade point average of 3.0 or above.
- Graduate entrance test is waived for the students applying for the **Master of Arts in Teaching** Program. Students must check the program admission requirements before applying.
- Graduate entrance test is waived for the students applying for the master's program in **College of Education, College of Liberal and Performing Arts, and Master of Science in Agriculture** for students holding a bachelor's degree from a regionally accredited university, with a cumulative GPA of 3.0 or higher (4.0 scale).
- Graduate entrance test is waived for the students applying for the master's program in **Master of Science in Computer and Information Science (including all emphasis)** for students holding a bachelor's degree from a regionally accredited university within the United States, with a cumulative GPA of 3.0 or higher (4.0 scale).
- Graduate entrance test (i.e. GRE & GMAT) is waived for the students applying for the **Master of Business Administration (including all emphasis)** with a 3.5 GPA in an AACSB accredited business undergraduate program.

### Transient Graduate Students

Graduate students at other institutions are eligible to take graduate courses at SAU with a letter of good standing from the current university's Dean of Graduate Studies or Registrar (*Note: If your current university will not supply this letter, an official current transcript will be accepted*).

### Transfer Students Admission

Transfer students must be in good standing with the institution they last attended in order to be eligible for admission to Southern Arkansas University.

- Transfer students must fulfill all general admission requirements
- Applicants with a cumulative graduate grade point average between 2.5 and 3.0 will be placed on academic probation.
- Applicants with a cumulative graduate grade point average of 2.49 or below will not be admitted to Graduate School at Southern Arkansas University.
- Transfer students with incomplete "I" grades on the transcript from a previous institution will not be accepted for admission.

#### Workshop Credit

Students taking workshops for graduate credit are required to follow all graduate school admission procedures. Workshop students have a choice of continuing education credit through the Office of Continuing Education or graduate credit through the School of Graduate Studies. Students must complete all admission requirements before the workshop begins to receive graduate credit. Contact the School of Graduate Studies at (870) 235-4150 for help with the application process.

#### Re-Application Policy

Students who have not been enrolled in graduate school at SAU for one calendar year are required to re-apply for admission. The application fee, deadlines and current admission requirements apply. The application can be found on our website: [www.saumag.edu/graduate](http://www.saumag.edu/graduate).

### International Students

International students who wish to gain admission to the graduate school must provide, in addition to the requirements to the School of Graduate Studies, the following:

1. Official transcripts indicating that the student has completed a baccalaureate degree. Verification of the degree and undergraduate cumulative grade point average may be necessary if the student's degree is from a college or university outside of the United States.
2. Evidence of the ability to read, write, speak, and understand English at a level sufficient to enable the student to profit from graduate courses.

International students who have graduated with a G.E.D. in the United States or a degree (high school, bachelor's, or master's degree) from an accredited school in the United States or another English-speaking country must meet the same admission requirements as U.S. students. Other English-speaking countries include Anguilla, Antigua/Barbuda, Australia, Bahamas, Barbados, Belize, Bermuda, British Guyana, Cameroon (West/English-speaking), Canada (except Quebec), Cayman Islands, Dominica, Falkland Islands, Fiji, Ghana, Grenada, Guam, Guyana, Ireland, Jamaica/other West Indies, Liberia, Montserrat, New Zealand, South Africa (English schools), St. Helena, St. Kitts & Nevis, St. Lucia, St. Vincent, Trinidad-Tobago, Turks & Caico Isle, United Kingdom, and the Virgin Islands.

For other international students, the English language requirement of SAU will be met when the applicant has submitted proof of ONE of the following:

1. A score of 79 or higher on the Internet TOEFL.
2. A score of 550 or higher on the written TOEFL.
3. A score of 173 or higher on the computerized TOEFL.
4. A score of Band 6/6.5 (overall) on the IELTS (International English Language Testing System).
5. Completion of Level 112 at an ELS Language Center or its equivalent.
3. An affidavit of support showing sufficient funds to pay tuition, fees, and room and board. In addition, the student should have enough financial resources to buy books, medical insurance, and personal items.
4. When officially admitted to Southern Arkansas University, an international student will receive a Form I-20. This form should be taken to the U.S. consulate to apply for a student visa.
5. The completed Application for Admission to the School of Graduate Studies and the other listed requirements must reach SAU by July 1 for fall enrollment, by November 15 for spring enrollment, and by April 1 for summer enrollment.
6. Proof of medical insurance OR purchase medical insurance prior to registration for classes.
7. An application fee of \$50 (non-refundable) must accompany the application.



Policy on Evaluation of Transcripts for International Students—Exceptions to the Requirement for External Transcript Evaluation

In cases where international applicants have completed their coursework at non-U.S. universities very familiar to the faculty in a given program, external transcript evaluation may be waived if the following conditions are met:

1. The request for waiver is approved by the Provost and Vice President for Academic Affairs after consultation with the Dean of the Graduate School and the Dean of the appropriate college.
2. Sealed transcripts which have not been altered in any fashion are sent to the International Student Office.
3. The evaluation of each transcript is conducted by the appropriate department chair and/or program director, or the department chair's designee(s). Designees must be fully qualified to review academic transcripts; such designees must be full-time employees of SAU. No current SAU students may participate in the process of evaluating transcripts.
4. The chair of the appropriate department is responsible for informing the International Student Office in writing of the results of each evaluation.
5. The internal evaluation will only apply to admissions decisions and does not include evaluation for transfer credit.

## **Full-time Requirements for International Graduate Students in F-1 Status**

### **Full-time Status**

Students must maintain full-time enrollment and normal full-time progress toward their degree as defined below:

*Graduate:* Six credit hours or more are considered full-time in a regular academic semester. Please consult the Office of International Student Services and an academic advisor to determine the precise requirements of your program.

### **Exceptions:**

1. An F-1 student at an academic institution is considered to be in full-time status during the summer vacation if the student is eligible and intends to register for the next fall term (if they attended the previous semester full-time).
2. The student has a medical reason for needing to be registered less than full-time and has a written medical excuse.
3. A student in the final semester of course work is permitted to take only the number of credits required to complete the degree objective, even if it is less than the full-time course load.
4. Graduate students are considered full-time if they are taking fewer than six credits if their academic advisor certifies that there are no other courses available on their plan of study during a particular semester.
5. Department of Homeland Security permits only one distance learning course (three credits) per semester to be credited towards full-time requirements.

### **Procedures:**

If a student has to take less than the number of credits normally considered full-time in a particular semester, they must have on file a Request for Reduced Enrollment Form (signed by your academic advisor) at the Office of International Student Services (ISS). This form should be turned in **ONLY** to the ISS Office. The ISS Office Director must also approve **in advance** all forms before any student is authorized to enroll for fewer than the number of credits normally considered full-time, or to drop below full-time or withdraw from SAU during the course of a semester.

### **Attendance:**

All international students are expected to attend classes beginning with the first day of the semester. A student may be dropped from a class for excessive absences at the request of the instructor (see class attendance policy). Should this happen, the student will not be eligible for a Request for Reduced Enrollment Form.

School of Graduate Studies  
Master's Degrees, Certificate, and Licensure Programs

**College of Business**

**Master of Business Administration**

Optional emphasis areas:

- Agri-Business
- Social Entrepreneurship
- Supply Chain Management

**Graduate Certificate in Supply Chain Management**

**Graduate Certificate in Data Analytics**

**Graduate Certificate in Business Leadership**

**College of Education**

**Master of Arts in Teaching**

\* Meets Arkansas initial licensure requirements.

**Graduate Certificate in Education\***

**Master of Education in College Counseling and Student Affairs**

**Graduate Certificate in College Counseling and Student Affairs**

**Master of Education in Educational Leadership in Administration and Supervision**

\*Building Administrator P-8/7-12 (non-degree licensure program is available for students holding a master's degree)

\*District Administrator (non-degree licensure program for students holding a Building Administrator license)

\*Curriculum Administrator (post-master's non-degree licensure program)

**Graduate Certificate in Building Level Leadership\***

**Graduate Certificate in District Level Leadership\***

**Graduate Certificate in Curriculum/Program Administrator\***

**Master of Education in Instructional Facilitator/Lead Teacher**

**Master of Education in Gifted and Talented Education K-12\***

**Graduate Certificate in Gifted and Talented Education K-12\***

**Master of Education in Higher, Adult, & Lifelong Education**

Optional emphasis areas:

- Instructional Design
- Mathematics

**Graduate Certificate in Instructional Design**

**Master of Education in Library Media and Information Specialist**  
\*P-12

**Master of Education in Special Education K-12\***

**Graduate Certificate in Special Education K-12\***  
**Graduate Certificate in Special Education Resource K-6; 7-12\***  
**Graduate Certificate in Educational Examiner K-12\***

**Master of Education in School Counseling**

**Graduate Certificate in School Counseling K-12\***

**Master of Science in Kinesiology - Coaching**

**Master of Science in Clinical and Mental Health Counseling**

\* Leads to licensure by the Arkansas Department of Education.

#### **College of Liberal and Performing Arts**

**Master of Public Administration**

Optional emphasis area:

Social Entrepreneurship

#### **College of Science and Technology**

**Master of Science in Agriculture**

**Master of Science in Computer and Information Science**

Optional emphasis areas:

Cyber Security and Privacy

Data Science

Information Technology

**Graduate Certificate in Cyber Security and Privacy**

#### **Licensure Programs**

A student's plan of study is designed to meet licensure requirements according to Arkansas law. It is incumbent upon students from other states to determine the licensing requirements in their state. Southern Arkansas University is not responsible for courses required for licensure if the state changes requirements after the student's program is approved. Earning a master's degree from Southern Arkansas University does not mean that the degree recipient will receive a license. The Arkansas Department of Education or other licensing agency determines who will receive a license.

Note: For a candidate holding a graduate degree, Southern Arkansas University will review the candidate's credentials on an individual basis and develop a program of study based on licensure requirements.

David F. Rankin College of Business  
Dr. Robin Sronce, dean

### **Mission Statement**

The Rankin College of Business at Southern Arkansas University equips future business leaders to succeed in the global economy through engaging, innovative programs and a commitment to their personal and professional growth.

We work toward achieving our vision grounded in our *core values* of:

- **Excellence in Learning:** We develop and implement best practices in pedagogy, evaluation, and experiential learning to transform student potential into academic and professional success.
- **Engagement:** We use classroom and professional activities to foster close relationships with students, alumni, industry, community, and university partners to positively impact our university, community, and professions.
- **Ethics:** We expect students, faculty, and professional staff to adhere to and promote the RCB Code of Ethics.
- **Evolving:** We identify opportunities and innovate to better serve our stakeholders.

### **Accreditation**

The Bachelor of Business Administration degree programs offered by the College of Business are accredited by AACSB International – The Association to Advance Collegiate Schools of Business. AACSB International accreditation is the hallmark of excellence in management education, demonstrating the college's commitment to academic and continuous improvement. This accreditation includes all bachelor of business administration and master of business administration degree programs.



### **Programs of Study**

The David F. Rankin College of Business offers a Master of Business Administration Degree (MBA) with optional emphasis areas:

- General MBA
- Agri-Business
- Supply Chain Management
  - Graduate Certificate Option
- Social Entrepreneurship

## Master of Business Administration

### **Admission Requirements**

GMAT and GRE scores are accepted for admission to the MBA program as long as the GRE to GMAT conversion score meets the existing admission formula guidelines. The admission test requirement is waived for a student who is a Certified Professional Accountant (CPA) or Certified Financial Planner (CFP) or had a 3.5 gpa or higher from an AACSB accredited business college.

### **Undergraduate Course Requirements:**

A student may be admitted into the MBA program if he/she holds a bachelor's degree or equivalent from an accredited college or university regardless of the undergraduate field of study. Should a student have an undergraduate degree other than business, prerequisites would include:

- Six hours of principles of accounting (sophomore level or above),
- Three hours of business finance or financial management (junior level or above),
- Three hours of statistics (at the junior level or above),
- Three hours of principles of marketing (at the junior level or above),
- Three hours of micro-economics (sophomore level or above), and
- Three hours of organization theory and behavior or principles of management (junior level or above)

### **Specific Degree Requirements**

The MBA Curriculum is designed primarily for graduates of a Bachelor of Business Administration Program, but graduates of other programs can enter the program by completing a 24 hour prerequisite program.

The MBA program will consist of 24 hours of MBA core courses and six hours of electives. A student can choose to complete courses in a traditional night program, through online delivery, or through a combination of the two.

Continued on next page

**General MBA Program Requirements (30 hours)**

ACCT	6003	Accounting for Decision Making
ECON	6003	Managerial Economics
FIN	6003	Managerial Finance
MGMT	6003	Strategic Planning and Analysis
MGMT	6013	Human Behavior in Organizations
MGMT	6043	Business Analytics
MKTG	6023	Strategic Marketing
SCM	6003	Enterprise Resource Planning

***Choose Six hours as available:***

ACCT	6063	Special Topics in Accounting
ACCT	6073	Special Topics in Accounting
ACCT	6983	Field Experience in Accounting
ECON	6043	Issues in Environmental Economics
ECON	6063	Special Topics in Economics
FIN	6063	Special Topics in Finance
FIN	6983	Field Experience in Finance
IS	5313	Data Visualization
IS	6063	Special Topics in IS
MGMT	6033	Creativity, Innovation, and Entrepreneurship
MGMT	6063	Special Topics in Management
MGMT	6073	Special Topics in Management
MGMT	6083	Leadership Development
MGMT	6093	Leadership Action Project
MGMT	6983	Field Experience in Management
MKTG	6063	Special Topics in Marketing
MKTG	6983	Field Experience in Marketing
SCM	6013	Project Management
SCM	6023	Supply Chain Sourcing
SCM	6033	Supply Chain Security
SCM	6053	RFID Technology Utilization
SCM	6073	Special Topics in Supply Chain Management
SCM	6143	Sustainable SCM Practices
SCM	6983	Field Experience in Supply Chain Management

**MBA with Agri-Business Emphasis Program Requirements (33 hours)**

ACCT	6003	Accounting for Decision Making
AGBS	6003	Agriculture Markets and Prices
AGBS	6013	International Trade of Agriculture Products
AGBS	6023	Agricultural Policies
AGBS	6033	Management of Agricultural Production
FIN	6003	Managerial Finance
MGMT	6003	Strategic Planning and Analysis
MGMT	6013	Human Behavior in Organizations
MGMT	6043	Business Analytics
MKTG	6023	Strategic Marketing
SCM	6003	Enterprise Resource Planning

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**MBA with Supply Chain Management Emphasis Program Requirements  
(33 hours)**

ACCT	6003	Accounting for Decision Making
ECON	6003	Managerial Economics
FIN	6003	Managerial Finance
MGMT	6003	Strategic Planning and Analysis
MGMT	6013	Human Behavior in Organizations
MGMT	6043	Business Analytics
MKTG	6023	Strategic Marketing
SCM	6003	Enterprise Resource Planning
SCM	6063	Supply Chain Management

Select **six** hours from the following:

SCM	6013	Project Management
SCM	6023	Supply Chain Sourcing
SCM	6033	Supply Chain Security
SCM	6053	RFID Technology Utilization
SCM	6073	Special Topics in Supply Chain Management
SCM	6143	Sustainable SCM Practices
SCM	6983	Field Experience in Supply Chain Management

**MBA with Social Entrepreneurship Emphasis Program Requirements (36 hours)**

ACCT	6003	Accounting for Decision Making
ECON	6003	Managerial Economics
FIN	6003	Managerial Finance
MGMT	6003	Strategic Planning and Analysis
MGMT	6013	Human Behavior in Organizations
MGMT	6043	Business Analytics
MGMT/SE	6033	Creativity, Innovation, & Entrepreneurship
MKTG	6023	Strategic Marketing
SCM	6003	Enterprise Resource Planning

Select **nine** hours from the following (one course must be taught by MPA faculty member):

ECON/SE	6043	Issues in Environmental Economics
MGMT/SE	6053	International Business
PA/SE	6113	Professional Projects
PA/SE	6133	Third Sector: Theory and Practice
PA/SE	6253	Social Activism
SCM/SE	6013	Project Management
SCM	6073	Special Topics in Supply Chain Management
SCM/SE	6143	Sustainable SCM Practices
SCM	6983	Field Experience in Supply Chain Management
SE	6063	Special Topics in Social Entrepreneurship

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## MBA with Data Analytics Emphasis Program Requirements

### 33 Total Hours

ACCT	6003	Accounting for Decision Making
ECON	6003	Managerial Economics
FIN	6003	Managerial Finance
MGMT	6003	Strategic Planning and Analysis
MGMT	6013	Human Behavior in Organizations
MGMT	6043	Business Analytics
MKTG	6023	Strategic Marketing
SCM	6003	Enterprise Resource Planning

Select **nine** hours from the following:

IS	5313	Data Visualization
MCIS	6263	Big Data
MCIS	6273	Data Mining
MCIS	6283	Machine Learning

### Supply Chain Management Certificate

Students receiving a SCM certificate at the graduate level would be required to complete twelve, including: the graduate level supply chain management course, the existing core ERP course, and two of the five supply chain management related electives listed below.

#### Supply Chain Management Certificate Program Requirements (12 hours)

SCM	6003	Enterprise Resource Planning
SCM	6063	Supply Chain Management

Select **six** hours from the following:

SCM	6013	Project Management
SCM	6023	Supply Chain Sourcing
SCM	6033	Supply Chain Security
SCM	6053	RFID Technology Utilization
SCM	6073	Special Topics in Supply Chain Management
SCM	6143	Sustainable SCM Practices

Continued on next page

### Business Leadership Certificate

Students receiving a Leadership Certificate at the graduate level would be required to complete twelve Leadership/Management hours, including: MGMT 6083 Leadership Development, MGMT 6013 Human Behavior in Organizations, MGMT 6093 Leadership Action Project, and one of the leadership/management related electives listed below.

**Required courses:**

MGMT	6013	Human Behavior in Organizations
MGMT	6083	Leadership Development
MGMT	6093	Leadership Action Project

Electives (select ONE course from the following):

MGMT	6033	Creativity, Innovations, and Entrepreneurship.
SCM	6013	Project Management

### Data Analytics Certificate

Students completing a Data Analytics certificate at the graduate level would be required to complete twelve hours. Two courses from a list of MBA electives and two courses from a list of MCIS electives. Prior to completing the MCIS electives the students would be required to complete a coding and programming course or demonstrate evidence of a prior equivalent course.

**Required course:**

IS	5313	Data Visualization
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Select **three** hours from the following:

MGMT	6043	Business Analytics
SCM	6003	Enterprise Resource Planning

Select **six** hours from the following:

MCIS	6263	Big Data
MCIS	6273	Data Mining
MCIS	6283	Machine Learning

College of Education  
Dr. Kim K. Bloss, dean

The College of Education consists of the following departments and service areas:

1. Admissions, Field Experience, and Licensure (AFEL)
2. The Department of Teacher Education
3. The Department of Counseling and Professional Studies (see Graduate Catalog)
4. The Department of Health, Kinesiology, and Recreation
5. The Southwest Educational Renewal Zone

#### **Mission Statement**

The mission of the College of Education is to prepare teacher education and other school personnel candidates, and students preparing for professions in Counseling, and Health, Kinesiology and Recreation as professional members and leaders of collaborative teams.

**Education Preparation Provider (EPP) Conceptual Framework:** *Attaining Educational Achievement through Collaboration and Reflection*

(Note, for the conceptual framework and dispositions of advanced programs, please see the School of Graduate Studies Catalog or the program director.)

The mission of the education provider program is to prepare candidates who attain educational achievement through collaboration and reflection. To that end the education provider program (including content departments), collaborates with K-12 schools, Educational Service Cooperatives, Educational Renewal Zones and other local, state, and national organizations to inculcate high standards of educational achievement for all students. The program engages pre-service and in-service teachers, administrators, counselors and other educators to excel in teaching, leadership, scholarship and service.

The EPP Conceptual Framework was developed collaboratively and over time. Through the identification of a set of core values held by faculty and stakeholders, the shared vision of the EPP conceptual framework was created. From this vision emerged core values that represent the critical dispositions and competencies deemed necessary by faculty and stakeholders to be an effective teacher.

The EPP holds the following dispositions, as described in the conceptual framework, as critical for all initial EPP candidates, to include the Master of Arts in Teaching program, (note, for the conceptual framework and dispositions of advanced programs, please see the School of Graduate Studies Catalog or the program director.)

Attendance/Punctuality  
Work Production  
Cultural Sensitivity  
Interaction with Others  
Professional Ethics  
Response to Feedback  
Professional Maturity  
Collaboration  
Initiative  
Professional Presentation

The EPP holds the following competencies, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP:

*Learner and Learning*

- Standard 1: Learner Development
- Standard 2: Learning Differences
- Standard 3: Learning Environment

*Content*

- Standard 4: Content Knowledge
- Standard 5: Application of Content

*Instructional Practice*

- Standard 6: Assessment
- Standard 7: Planning for Instruction
- Standard 8: Instructional Strategies

*Professional Responsibility*

- Standard 9: Professional Learning and Ethical Practice
- Standard 10: Leadership and Collaboration

As well the EPP aligns all coursework to the following competencies required by ADE:

**Domain 1: Planning and Preparation**

- 1a. Demonstrating Knowledge of Content and Pedagogy
  - Content knowledge • Prerequisite relationships • Content pedagogy
- 1b. Demonstrating Knowledge of Students
  - Child development • Learning process • Special needs
  - Student skills, knowledge, and proficiency
  - Interests and cultural heritage
- 1c. Setting Instructional Outcomes
  - Value, sequence, and alignment • Clarity • Balance
  - Suitability for diverse learners
- 1d. Demonstrating Knowledge of Resources
  - For classroom • To extend content knowledge • For students
- 1e. Designing Coherent Instruction
  - Learning activities • Instructional materials and resources
  - Instructional groups • Lesson and unit structure
- 1f. Designing Student Assessments
  - Congruence with outcomes • Criteria and standards
  - Formative assessments • Use for planning

**Domain 2: The Classroom Environment**

- 2a. Creating an Environment of Respect and Rapport
  - Teacher interaction with students • Student interaction with students
- 2b. Establishing a Culture for Learning
  - Importance of content • Expectations for learning and achievement
  - Student pride in work
- 2c. Managing Classroom Procedures
  - Instructional groups • Transitions
  - Materials and supplies • Non-instructional duties
  - Supervision of volunteers and paraprofessionals
- 2d. Managing Student Behavior
  - Expectations • Monitoring behavior • Response to misbehavior
- 2e. Organizing Physical Space
  - Safety and accessibility • Arrangement of furniture and resources

**Domain 3: Instruction**

- 3a. Communicating With Students
  - Expectations for learning • Directions and procedures
  - Explanations of content • Use of oral and written language
- 3b. Using Questioning and Discussion Techniques
  - Quality of questions • Discussion techniques • Student participation
- 3c. Engaging Students in Learning
  - Activities and assignments • Student groups
  - Instructional materials and resources • Structure and pacing
- 3d. Using Assessment in Instruction
  - Assessment criteria • Monitoring of student learning
  - Feedback to students • Student self-assessment and monitoring
- 3e. Demonstrating Flexibility and Responsiveness
  - Lesson adjustment • Response to students • Persistence

**Domain 4: Professional Responsibilities**

- 4a. Reflecting on Teaching
  - Accuracy • Use in future teaching
- 4b. Maintaining Accurate Records
  - Student completion of assignments
  - Student progress in learning • Non-instructional records
- 4c. Communicating with Families
  - About instructional program • About individual students
  - Engagement of families in instructional program
- 4d. Participating in a Professional Community
  - Relationships with colleagues • Participation in school projects
  - Involvement in culture of professional inquiry • Service to school
- 4e. Growing and Developing Professionally
  - Enhancement of content knowledge and pedagogical skill
  - Receptivity to feedback from colleagues • Service to the profession
- 4f. Showing Professionalism
  - Integrity/ethical conduct • Service to students • Advocacy
  - Decision-making • Compliance with school/district regulations

Upon admission to a Educator Preparation Providers degree program, students are required to exhibit proficiency in all areas of established dispositions. Students will be assessed at various points throughout the program on the established dispositions. Failure to demonstrate an acceptable level in any one or more of the indicated dispositions will result in one or more of the following actions which may include but not be limited to: 1) a hearing with the Dispositions Review Committee, 2) completion of a recommended Dispositional Development Plan, 3) removal and/or failure of any associated field experiences, and/or 4) removal from pursuing a degree in an Educator Preparation Provider program.

Students will be assessed at various points throughout the program to determine proficiency in the identified critical competencies as outlined in the conceptual framework. Students are required to demonstrate an acceptable level of proficiency in competency areas in order to proceed in the program of study and/or obtain an Educator Preparation Provider related degree.

## Master of Arts in Teaching

### **Statement of Purpose**

The Master of Arts in Teaching program at Southern Arkansas University is designed to enable career changes for those people who hold a baccalaureate degree in subject areas commonly taught at the elementary, middle, and secondary level, grades k-12.

Candidates will be required to choose a track (elementary, middle, secondary, or K-12 licensure) prior to program start and must continue on that track throughout the program. SAU MAT program allows for candidates to be initially licensed in any content area the Arkansas Department of Education recognizes as an initial licensure area (except Special Education). It is incumbent upon students from other states to determine the licensing requirements in their state.

The program is comprised of 24 hours of online graduate coursework, and six hours of internship. During the internship the individual may be hired as a fully-employed teacher of record in a public school. K-6, Middle School, and Secondary Social Studies require a course in Arkansas History for graduation.

### **Dispositions**

The EPP holds the following dispositions, as described in the conceptual framework, as critical for all initial EPP candidates, to include the Master of Arts in Teaching program,

Attendance/Punctuality Work Production Cultural Sensitivity Interaction with Others  
Professional Ethics Response to Feedback Professional Maturity Collaboration

Initiative

Professional Presentation

Educator Preparation Providers degree program, students are required to exhibit proficiency in all areas of established dispositions. Students will be assessed at various points throughout the program on the established dispositions.

Failure to demonstrate an acceptable level in any one or more of the indicated dispositions will result in one or more of the following actions which may include but not be limited to: 1) a hearing with the Dispositions Review Committee, 2) completion of a recommended Dispositional Development Plan, 3) removal and/or failure of any associated field experiences, and/or 4) removal from pursuing a degree in an Educator Preparation Provider program.

### **Required Competencies**

The EPP holds the following competencies, as critical for all initial candidates pursuing a degree in the EPP:

Standard #1: Learner Development  
Standard #2: Learning Differences  
Standard #3: Learning Environments  
Standard #4: Content Knowledge  
Standard #5: Application of Content  
Standard #6: Assessment  
Standard #7: Planning for Instruction  
Standard #8: Instructional Strategies

Standard #9: Professional Learning and Ethical Practice  
Standard #10: Leadership and Collaboration

Students will be assessed at various points throughout the program to determine proficiency in the identified critical competencies as outlined in the conceptual framework. Students are required to demonstrate an acceptable level of proficiency in competency areas in order to proceed in the program of study and/or obtain an Educator Preparation Provider related degree.

**Admission to the Educator Preparation Program (EPP)**

Students who plan to follow teacher preparation programs must, in consultation with their advisor, submit a formal application for admission. Applicants should work closely with a College of Education advisor to determine when to apply. All application requirements must be completed when the application is filed.

**Criteria for Admission to the Educator Preparation Program (EPP)**

Candidates can apply for conditional or unconditional admission to the EPP when eligible. Candidates must work with their advisor to apply. A candidate does not have to apply for conditional admission if they meet all requirements for unconditional admission.

For a candidate to enroll in EPP coursework they must, at minimal, be admitted conditionally.

Unconditional Admissions Requirements:

- Cumulative GPA or Average of the last 60 hours at a 3.00 GPA or above
- Background Check (see advisor)
- MAT admission form (see advisor)
- Passing Basic Skills Assessment Reading, Writing, and Math\*
- Passing Praxis II Content Scores
- At minimal 3 Effective Disposition Ratings from advisor \*\*

Conditional Admission Requirements:

- Background Check (see advisor)
- MAT admission form (see advisor)
- At minimal 3 Effective Disposition Ratings from advisor \*\*
- Two of the below 5 conditions must be met to be eligible for conditional admission
- Passing Basic Skills Assessment Reading\*
- Passing Basic Skills Assessment Writing\*
- Passing Basic Skills Assessment Math\*
- Passing Praxis II Content Scores
- Cumulative GPA of 3.00

\*See advisor for information about Basic Skills Assessments and passing scores.

\*\* Candidates who score less than 3 effective ratings for dispositions will not be considered for admission until a meeting with the dispositions committee to review the dispositional concerns and create a plan of action to meet the disposition ratings.

Candidates who have been out of the program for two or more terms must reapply and meet all current program requirements to be readmitted.

The faculty advisor closely follows the progress of the candidate. Candidates who have been admitted to the EPP are expected to maintain all degree requirements or be dropped from the program.

A successful criminal background check must be submitted in order to complete Internship or Student Teaching. Failure to pass a successful criminal background check will result in the student being withdrawn from the field-based course(s).

**Specific Degree Requirements for Master of Arts in Teaching**

Each candidate for the Master of Arts in Teaching degree must complete 30 semester hours of coursework (33 hours for the elementary education track). All candidates regardless of licensure level will complete the core courses. Candidates will select the appropriate licensure track and complete requirements for that track.

**MAT Initial Course (Required to be taken during first term by all MAT Candidates):**

MAT 6003 Teaching and Learning for Diverse Learners (fall, spring, summer I)

**MAT Core Courses (Required):**

MAT 5013 Classroom Assessment (fall, summer II)

MAT 5023 Survey of Exceptional Individuals (fall, spring) MAT 5083 Classroom and Group Management (fall, summer I) MAT 6013 Methods in Education (spring, summer I)

MAT 6073 Learning Theory (spring, summer II)

**Licensure area K- 6 Elementary Education:**

MAT 5173 Teaching Literacy I

MAT 5273 Teaching Literacy II

MAT 5343 STEM Methods for Science and Math

**Licensure areas 4-8 and K-12/4-12, 7 – 12:**

MAT 5003 Strategies for Content Area Reading (fall, summer I)

MAT 6083 Reading Diagnostics (spring, summer II)

**Supervised Experience (choose 6 credit hours):**

MAT 6033 Internship I (first year of teaching)\* (fall, spring)

MAT 6043 Internship II (first year of teaching)\* (fall, spring)

or

MAT 6053 Student Teaching I \*\* (fall, spring)

MAT 6063 Student Teaching II \*\* (fall, spring)

Teacher candidates must have completed with a C or above six (6) hours in order to apply for the provisional licensure in the specified content area and specified grade span prior to registration for Internship I MAT 6033 and Internship II MAT 6043. Elementary candidates can apply for a provisional license upon admission if hired to teach.



\*\* Any candidate that has completed the initial 24 hours of coursework and has not found a teaching position is eligible to student teach for 1 year and take Student Teaching I MAT 6053 and Student Teaching II MAT 6063. If you find a job after 1 semester of student teaching you will be placed in Internship II.

Candidates enrolled in the K-6, middle school, and secondary social studies licensure tracks require a course in Arkansas History for graduation.

### **Educator Preparation Program Professional Responsibilities**

**Ethics:** Pre-service teachers are bound by the Code of Ethics for Educators established by the Arkansas Department of Education Professional License Standards Board (PLSB). The Code of Ethics is governed by the Arkansas Code of Ann. §6-17-428. Violation of the Code of Ethics may result in an administrative hearing by the PLSB, who reports their findings to the State Board of Education. Violation of the Code of Ethics may result in disciplinary action or removal from the Educator Preparation Program.

**Science of Reading:** Candidates are required to complete a SOR pathway to be eligible for licensure based on the Arkansas Licensure Law 3 -1.03.1.2.1.

Elementary Education candidates must prove proficiency by taking and passing MAT 5173 Teaching Literacy I and MAT 5273 Teaching Literacy II

All other initial licensure candidates must meet awareness and can do this by completing at minimal one of the following:

MAT 5003 Strategies for Content Area Reading (fall, summer I)

MAT 6083 Reading Diagnostics (spring, summer II)

**Additional Trainings:** The Division of Elementary and Secondary Education (DESE) also requires professional development by the Arkansas Code of Ann. §4-2.01.7 for all candidates in Educator Preparation Programs. Candidates must complete these requirements prior to student teaching and continue to uphold professional responsibilities.

Completion of ethics, science of reading, and additional training is a requirement for licensure approval.

### **Requirements for Arkansas Teacher Licensure**

Candidates will not be eligible for the standard license until all Praxis II and Pedagogical exams have been passed.

Graduation from Southern Arkansas University does not guarantee Arkansas Teacher Licensure. All Arkansas teaching licenses are issued by the Division of Elementary and Secondary 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 teaching license. The application process is completed online and instructions for submitting the application will be provided to candidates during their student teaching

semester. Issuance of a professional license is not automatic – the candidate must apply. See advisor for application information.

Note: Teacher candidates who complete all required courses for licensure and who pass content knowledge exam(s) will be recommended for a standard teaching license. Candidates who have not passed the content knowledge exam(s) cannot be recommended for a provisional or standard teaching license.

### MAT Graduate Certificate

Candidates for the MAT Graduate Certificate must complete 21 hours. This program does not lead to teacher licensure.

MAT 5013	Classroom Assessment
MAT 5083	Classroom and Group Management
MAT 6003	Teaching and Learning for Diverse Learners
MAT 6013	Methods in Education

### College Counseling and Student Affairs

The purpose of the M.Ed. in College Counseling and Student Affairs is to prepare individuals for professional counseling and administrative positions in student services departments at a college or university. Potential places of employment for graduates of this program include; residence life and student housing, admissions and student orientation, financial aid, college unions, student activities, recreational sports, individual and group advising, career services, general student services, and other student and academic support programs. The curricular focus emphasizes student development theory and practice, the development of leadership management and organizational development skills, and practical aspects of practice (practicum and internship).

Applicants to the M.Ed. in College Counseling and Student Affairs are required to submit a letter of application prior to admission to the program.

#### **Research (3 credit hours)**

COUN	6083	Research and Program Evaluation
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#### **Core Courses (27 credit hours)**

COUN	6403	Introduction to the Counseling Profession
COUN	6413	Ethical, Legal and Professional Issues in Counseling
COUN	6423	Counseling Theories
COUN	6433	Basic Counseling Skills
COUN	6443	Group Counseling
COUN	6453	Human Development for Helping Professionals
COUN	6463	Career Counseling: Theory and Practice
COUN	6473	Counseling in a Diverse Society
COUN	6483	Assessment Procedures for Counselors

#### **College Counseling and Student Affairs (12 credit hours)**

COUN	6843	Introduction to Student Affairs in Higher Education
COUN	6853	Student Affairs Theory and Practice
COUN	6873	Organization and Administration of Student Affairs Services
COUN	6943	Counseling in Higher Education

#### **Field Experience (9 credit hours):**

COUN	6493	Practicum in Counseling
COUN	6883	Internship I in College Counseling and Student Affairs
COUN	6893	Internship II in College Counseling and Student Affairs

### Graduate Certificate, College Counseling and Student Affairs

The Graduate Certificate in College Counseling and Student Affairs adds coursework aligned with CACREP standards to those with a Clinical and Mental Health Counseling program that desire to add College Counseling and Student Affairs

#### Required Coursework (12 hours)

COUN 6843	Introduction to Student Affairs in Higher Education
COUN 6853	Student Affairs Theory and Practice
COUN 6873	Organization and Administration of Student Affairs Services
COUN 6943	Counseling in Higher Education

### Educational Leadership in Administration and Supervision

The mission of programs in EDAS are to prepare candidates for leadership positions at the local school, district, regional, state and national levels.

The program offers a master's degree program in Educational Leadership in Administration and Supervision leading to licensure as a principal. Licensure programs are also offered for students holding a master's degree who seek licensure as a principal, curriculum program administrator or superintendent. The curriculum places a strong emphasis of field practicum experiences, clinical experiences and internships. One (1) year of experience as a PK-12 teacher is required. Students must conference with the program advisor prior to admission and meet program admission requirements.

#### Licensure Program Admissions

Applicants who currently hold a graduate degree and seek licensure as a principal, curriculum program administrator or superintendent must meet the same admission requirements as applicants for a master's degree.

#### Degree Requirements

The Master of Education degree in the Educational Leadership in Administration and Supervision is a thirty (30) hour online program that meets the Arkansas requirements for licensure as a building-level administrator. It is incumbent upon students seeking licensure in other states to verify the licensure requirements in their state. Candidates must complete courses in the professional core and educational administration and supervision. The program consists of the following courses:

#### Professional Education Core Courses (3 Credit Hours)

EDUC 6003 Educational Research

#### Educational Leadership in Administration and Supervision Courses (27 Credit Hours)

EDUC 6403 School Law

EDAS 6013 School Community Relations

EDAS 6023 Supervision of Instruction in Elementary and Secondary Schools

EDAS 6033 Organizational Development, Evaluation, and Action Research

EDAS 6093 The Principalship

EDAS 6193 School Organization and Evaluation

EDAS 6233 Leadership of Special Programs and Services

EDUC 6873 Advanced Curriculum/Program Administrator Leadership Program

EDAS 6223 Administrative Internship and Project

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### Principal Licensure Program

The non-degree program of study for candidates seeking licensure at the building level who already hold a master's degree in an appropriate area and meet the requirements for admission to the program in Educational Leadership in Administration and Supervision are as follows:

#### **Educational Administration and Supervision Courses (18 Credit Hours)**

EDUC 6403	School Law
EDAS 6023	Supervision of Instruction in Elementary and Secondary Schools
EDAS 6033	Organizational Development, Evaluation, and Action Research
EDAS 6093	The Principalship
EDAS 6233	Leadership of Special Programs and Services
EDAS 6223	Administrative Internship and Project

The advisor and the licensure office will determine if additional courses are required to complete the requirements for licensure.

#### **Building-Level Leadership Graduate Certificate Program**

Required courses (12 credit hours)

EDUC 6403	School Law
EDAS 6023	Supervision of Instruction in Elementary and Secondary Schools
EDAS 6033	Organizational Development and Evaluation
EDAS 6093	The Principalship

#### **Curriculum Program Administrator Licensure Program**

The non-degree program of study for candidates seeking Curriculum Program Administrator licensure who already hold a master's degree in an appropriate area and meet requirements for admission to the non-degree licensure program areas:

Special Education  
Gifted and Talented  
Curriculum Specialist

#### **Course Required: (18 hours)**

EDUC 6403	School Law
EDAS 6013	School Community Relations
EDAS 6023	Supervision of Instruction in Elementary and Secondary Schools
EDAS 6033	Organizational Development, Evaluation, and Action Research
EDAS 6233	Leadership of Special Programs and Services
EDAS 6223	Internship and Project

The advisor and the licensure office will determine if additional courses are required to complete the requirements for licensure.

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### Superintendent Licensure Program

The non-degree program leading to licensure as a superintendent of schools is a twenty-four (24) credit hour online program. Applicants to the program must hold a master's degree, licensure as a principal and meet the requirements for admission to the program in Educational Leadership in Administration and Supervision. The program consists of the following courses:

EDAS 6113	School Finance
EDAS 6123	The Superintendency
EDAS 6133	Governance Groups
EDAS 6143	Management of Human Resources
EDAS 6153	Practicum in Educational Facilities
EDAS 6173	Administration and Assessment of Curricular Programs
EDAS 6183	Educational Leadership Seminar
EDAS 6303	Superintendent Internship & Graduate Project (or approved internship course EDAS 6223)

#### **Internship Requirement**

Master's degree and licensure candidates must complete a minimum number of courses and practicum hours in the approved plan of study and submit a pre-internship portfolio prior to enrolling in an internship. Specific coursework and practicum requirements are outlined in the Educational Leadership program manual.

Candidates must apply for and receive approval to enroll in an internship. Students must complete an internship application and submit it to their advisor by the following deadlines for each semester:

Fall Semester: Receive by July 15  
Spring Semester: Receive by November 15  
Summer Semester: Receive by May 15

Candidates may not enroll in an internship until all application requirements are completed.

#### **Portfolio Requirement**

Master's degree and licensure candidates must prepare and satisfactorily defend a program portfolio based on the appropriate national and state licensure standards for an administrative license. Candidates must satisfactorily complete the portfolio requirement prior to graduation and/or application for licensure.

Candidates must submit the written program portfolio to their University Supervisor no later than one week before the oral defense. The faculty committee will consist of two members of the faculty and one external evaluator.

Candidates must receive a satisfactory rating from the University Supervisor on the written portfolio, prior to arranging for the oral defense.

After receiving a satisfactory rating on the written portfolio, the candidate must contact the University Supervisor to schedule the oral defense. Students must receive a satisfactory rating by the committee on both the written and oral defense of the portfolio. A student who fails the program portfolio requirement must re-submit the portfolio. Students who fail the portfolio requirement on the third attempt will be dismissed from

the graduate program and no degree or program completion certificate will be awarded. Additionally, the University will not recommend the student for licensure. There is no appeal if a student fails the portfolio requirement on the third attempt.

#### District-Level Leadership Graduate Certificate

Required Courses (12 credit hours)

EDAS 6113	School Finance
EDAS 6123	The Superintendency
EDAS 6173	Administration & Assessment of Curricular Programs
EDAS 6183	Educational Leadership Seminar



### Master of Education: Instructional Facilitator / Lead Teacher

The Master of Education: Instructional Facilitator / Lead Teacher program is a 30-hour licensure program designed for current teachers desiring to enhance their classroom teaching and leadership role. Candidates will demonstrate competency through performance and will participate in authentic field experiences that allow them to demonstrate proficiency in the Arkansas Teacher Leader Model Standards in K-12 settings. Unconditional admission into Graduate Studies and a current teaching license in any area of licensure for grades P-12 are required. It is incumbent upon students from other states to determine the licensing requirements in their state.

#### **Required Courses (30 credit hours)**

EDUC 6003	Educational Research
EDUC 6253	Foundations of Teacher Leadership
EDUC 5273	Classroom & Group Management
EDUC 5033	Classroom Assessment
EDUC 5203	Strategies for Content Area Reading
EDUC 6213	Curriculum Planning
EDAS 6013	School Community Relations
EDAS 6023	Supervision of Instruction in Elementary/Secondary Schools
EDAS 6033	Organizational Development, Evaluation, and Action Research
EDUC 6863	Teacher Leadership Capstone

### Master of Education in Gifted and Talented Education K-12

The purpose of the Master of Education degree with a major in Gifted and Talented is to offer currently licensed educators an opportunity to complete a program of study at the graduate level to obtain a K-12 license. The coursework & related assessments which will equip educators to work with high-ability learners in the K-12 educational environment or in a leadership position at a supporting agency. The Nationally Recognized, online program was developed in alignment with the Arkansas Teaching Standards and the NAGC Teacher Preparation Standards as established by the accrediting associations of The National Association for Gifted Children (NAGC) and the Council for Exceptional Children (CEC). It is incumbent upon students from other states to determine the licensing requirements in their state.

Students are required to complete 30 hours of online coursework. Courses and assessments are aligned with supporting frameworks and professional standards. This program can be completed in as little as 18 months.

#### **Professional Education Core Courses (12 hours required):**

EDUC 6003	Educational Research
EDUC 6033	History and Philosophy of Education
EDUC 6083	Application of Learning Theories in Education
GATE 5073	Survey of Exceptional Individuals

#### **Focus Area: Gifted/Talented (18 hours required for licensure)**

GATE 5023	Nature, Needs, and Assessment of the Gifted and Talented
GATE 5033	Curriculum and Methods of Teaching Gifted and Talented
GATE 6143	Seminar in Creative Thinking
GATE 6203	Practicum for Gifted and Talented K-12
SPED 5663	Educational Diagnosis and Assessment
SPED 6003	Collaboration/Consultation for Inclusion

Professional Portfolio required for M.Ed. and Licensure only programs via LiveText.

### Gifted & Talented Certificate Program K-12

Professional Education Core Courses (12 hours required)

EDUC 6003	Educational Research
EDUC 6033	History and Philosophy of Education
EDUC 6083	Application of Learning Theories
GATE 5073	Survey of Exceptional Individuals

Focus Area: Gifted/Talented (12 hours required for certificate)

Select 12 hours from the following:

GATE 5023	Nature, Needs and Assessment of the Gifted and Talented
GATE 5033	Curriculum and Methods of Teaching Gifted and Talented
GATE 6143	Seminar in Creative Thinking
SPED 5663	Educational Diagnosis and Assessment
SPED 6003	Collaboration/ Consultation for Inclusion

Practicum

GATE 6203	Practicum for Gifted and Talented K-12
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## Master of Education Higher, Adult, and Lifelong Education

SAU's M. Ed. in higher education, adult learning, and lifelong education is intended for:

- individuals seeking or occupying an advance in administrative or management positions in a variety of educational settings;
- faculty and other educators who seek to improve their adult teaching skills;
- other individuals who work with adults in a variety of agencies.

The M. Ed. HALE degree program includes coursework in foundations, curriculum and teaching (including distance learning), organization and administration, research, and electives so students can create an emphasis area to fit their career aspirations. An internship in the student's emphasis area is required as the capstone exit experience. Students elect either higher education or adult education emphasis area; however, students may elect to take courses in both emphasis areas.

The program is comprised of 30 required hours. Students must complete 27 hours of coursework with 3 hours of capstone project to complete the M. Ed. program. A student must also complete any additional college and university graduation requirements.

Required: (6 hours)

EDUC 6003	Educational Research
HALE 6343	Higher, Adult, and Lifelong Learning Education Seminar

Required Capstone Project: (3 hours)

HALE 6373	HALE Capstone Project
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Required, select 21 hours from the following:

Students should meet with their advisor to determine which courses align with career goals.

HALE 6233	Distance Learning Design and Administration
HALE 6313	Budgeting and Finance in Postsecondary Education
HALE 6323	Curricular Design & Evaluation in Postsecondary Distance Learning
HALE 6353	Foundations of Distance Learning
HALE 6363	History & Philosophy of Postsecondary Education
HALE 6383	Leadership and Organization Development
HALE 6393	Post-secondary Teaching
HALE 6413	Program Planning and Evaluation in Postsecondary Contexts
HALE 6423	Special Problems in Adult Education
HALE 6433	Survey of Adult Learning
HALE 6443	The College Student (COUN 6863 The American College Student)
HALE 6453	The Community College
COUN 6843	Introduction to Student Affairs in Higher Education
COUN 6853	Student Affairs Theory and Practice
COUN 6863	The American College Student
COUN 6873	Organization and Administration of Student Affairs Services
ID 6023	Instructional Design Theory & Practice
ID 6063	Issues & Trends in Instructional Design
ID 6043	Instructional Strategies and Tools
MATH 5003	College Geometry*
MATH 5043	Numerical Analysis**
MATH 5053	Higher Order Thinking Math

MATH 5073	Intro to Probability & Statistics*
MATH 5083	Calculus for Teachers I
MATH 5093	Calculus for Teachers II
MATH 5123	History of Math

\* Pre-requisite: linear algebra

\*\*Pre-requisites: linear algebra and differential equations

### Instructional Design Certificate

The Graduate Certificate in Instructional Design is a 21 credit hour program.

HALE 6233	Distance Learning Design and Administration
HALE 6323	Curricular Design & Evaluation in Postsecondary Distance Learning
HALE 6353	Foundations of Distance Learning
HALE 6433	Survey of Adult Learning
ID 6023	Instructional Design Theory & Practice
ID 6043	Instructional Strategies and Tools
ID 6063	Issues & Trends in Instructional Design

### Library Media and Information Specialist

The graduate program in library media and information specialist is committed to providing students with skills and knowledge basic to the profession of school library media and meeting the requirements for library media certification/licensure in Arkansas. Candidates pursuing certification in the state of Arkansas must meet the requirements as set forth by the state of Arkansas in order to receive licensure. It is incumbent upon students from other states to determine the licensing requirements in their state.

#### **Specific Degree Requirements**

Each candidate for the master's degree in library media and information specialist must complete 30 semester hours including 6 semester hours of core education subjects plus an additional 24 hours of library specialization courses.

#### **Library Media and Information Specialist Core Courses (24 credit hours)**

LMIS 6013 Management and Evaluation of Media Programs  
LMIS 6023 Information Access  
LMIS 6033 Collection Management and Development  
LMIS 6043 Integration of Library Resources into the Curriculum  
LMIS 6053 Instructional Design and Production  
LMIS 6073 Introduction to Librarianship  
LMIS 6083 Library Materials for Children and Young Adults  
LMIS 6203 Practicum in K-12 Library Media

#### **Professional Education (6 credit hours) selected from the following:**

E ED 6013 Elementary School Curriculum  
E ED 6043 Seminar in Elementary Education  
EDUC 5203 Strategies for Content Area Reading  
EDUC 6003 Educational Research  
EDUC 6043 Current Issues and Trends in Education  
EDUC 6063 Applications of Technology in Education  
EDUC 6103 The Teaching of Reading  
EDUC 6153 Balanced Literacy  
EDUC 6403 School Law  
EDUC 6853 Multimedia for Educators  
S ED 6213 Secondary School Curriculum  
S ED 6253 Seminar in Secondary Education

### Library Media and Information Specialist Licensure Program

The non-degree program leading to licensure as a library media specialist is a twenty-four (24) credit hour program. Applicants to the program must hold a master's degree, licensure as a teacher and meet the requirements for admission to the program in Library Media and Information Specialist.

The program consists of the following courses:

LMIS 6013 Management and Evaluation of Media Programs

LMIS 6023 Information Access

LMIS 6033 Collection Management and Development

LMIS 6043 Integration of Library Resources into the Curriculum

LMIS 6053 Instructional Design and Production

LMIS 6073 Introduction to Librarianship

LMIS 6083 Library Materials for Children and Young Adults

LMIS 6203 Practicum in K-12 Library Media

## Master of Education in Special Education

The purpose of the Master of Education: Special Education is to offer currently licensed educators an opportunity to complete a program of study at the graduate level to obtain a SPED K-12 license. The coursework and related assessments will equip educators to work with learners with disabilities in the K-12 educational environment. This program was developed in alignment with the Arkansas Teaching Standards and the Council for Exceptional Children (CEC) standards. Candidates pursuing certification in the state of Arkansas must meet the requirements as set forth by the state of Arkansas in order to receive licensure. It is incumbent upon students from other states to determine the licensing requirements in their state.

Candidates are required to complete 30 hours of online coursework for the master's degree. Courses and assessments are aligned with supporting frameworks and professional standards. This program can be completed in as little as 18 months.

### **Professional Education Core Courses (Required):**

EDUC	6403	School Law
EDUC	6003	Educational Research

### **Special Education Core Courses Required for Licensure K-12 (24 Credit Hours)**

SPED	5043	Instructional Planning for Mild Disabilities
SPED	5053	Methods/Materials for Teaching Students with Mild Disabilities
SPED	5073	Survey of Exceptional Individuals
SPED	5123	Nature and Needs of Students with Mild Disabilities
SPED	5273	Classroom & Group Management
SPED	5663	Educational Diagnosis and Assessment
SPED	6003	Collaboration/Consultation for Inclusion
SPED	6243	Directed Internship K-12

### **Graduate Certificate in Special Education K-12**

Courses leading to K-12 Certification (24 semester hours required):

SPED	5043	Instructional Planning for Mild Disabilities
SPED	5053	Methods/Materials for Teaching Students with Mild Disabilities
SPED	5073	Survey of Exceptional Individuals
SPED	5123	Nature and Needs of Students with Mild Disabilities
SPED	5273	Classroom & Group Management
SPED	5663	Educational Diagnosis and Assessment
SPED	6003	Collaboration/Consultation for Inclusion
SPED	6243	Directed Internship K-12

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### Graduate Certificate in Special Education Resource K-6, 7-12

12 semester hours required:

SPED	5043	Instructional Planning for Mild Disabilities
SPED	5073	Survey of Exceptional Individuals
SPED	5123	Nature and Needs of Students with Mild Disabilities
SPED	5663	Educational Diagnosis and Assessment

### Educational Diagnostician/Examiner: Grades K-12 Certificate

SPED	6253	Comprehensive Psycho-Educational Evaluations
SPED	6263	Advanced Psychoeducational Evaluation and Intervention
COUN	6753	Internship: Educational Examiner
COUN	6773	Internship II: Educational Examiner

### Dyslexia Therapy K-12 Graduate Certificate

Courses leading to K-12 Certification:

EDUC	6103	The Teaching of Reading
EDUC	6113	Corrective Reading in the Classroom
EDUC	6123	Diagnosis and Correction of Reading Difficulties
EDUC	6133	Reading Practicum
EDUC	6253	Advanced School Leadership



## School Counseling

The Southern Arkansas School Counseling Program prepares knowledgeable, self-aware professional school counselors and fulfills the licensure requirements for school counseling K-12 for advanced credentials in Arkansas. It is incumbent upon students from other states to determine the licensing requirements in their state. With an appropriate balance of theoretical emphasis and practical application, graduates are trained to address the developmental needs of children and adolescents and to implement Comprehensive Developmental Guidance Programs that are consistent with the American School Counselor Association's National Model and National Standards.

### **Add-On Licensure**

The K-12 add-on license is **available to those individuals who currently hold a valid teaching license**. Currently employed teachers who are interested in obtaining this advanced credential should understand that it requires a 300-hour internship at an elementary and secondary building for a total of 600 hours. Only in rare instances are concurrent internships approved.

Applicants to the M.Ed. in School Counseling are required to submit a letter of application prior to admission to the program.

All candidates for the master's degree with specialization in school counseling will be required to complete 48 semester hours selected from the courses listed below.

### **Professional Education Core Courses (3 credit hours)**

EDUC	6003	Educational Research
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### **Counseling Core Courses (36 credit hours)**

COUN	6123	Foundations of School Counseling
COUN	6403	Introduction to the Counseling Profession
COUN	6413	Ethical, Legal and Professional Issues in Counsel
COUN	6423	Counseling Theories
COUN	6433	Basic Counseling Skills
COUN	6443	Group Counseling
COUN	6453	Human Development for Helping Professionals
COUN	6463	Career Counseling: Theory and Practice
COUN	6473	Counseling in a Diverse Society
COUN	6483	Assessment Procedures for Counselors
COUN	6583	Counseling Children and Adolescents
COUN	6763	Devel and Admin of School Couns Progs

### **Supervised Experience (choose 9 credit hours)**

COUN	6493	Practicum in Counseling
*COUN	6653	Internship I in Elementary School Counseling
*COUN	6673	Internship II in Elementary School Counseling
*COUN	6803	Internship I in Secondary School Counseling
*COUN	6823	Internship II in Secondary School Counseling

\*Internships must consist of both an elementary and secondary experience

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### School Counseling Graduate Certificate

Applicants must hold a valid teaching license, a master's degree in a related counseling field, and meet the requirements for admission to the school counseling program. For more information contact the program director.

#### **Counseling Core Courses (6 credit hours)**

COUN	6123	Foundations of School Counseling
COUN	6763	Development and Administration of School Counseling Programs

#### **Supervised Experience (choose 6 credit hours)**

*COUN	6653	Internship I in Elementary School Counseling
*COUN	6673	Internship II in Elementary School Counseling
*COUN	6803	Internship I in Secondary School Counseling
*COUN	6823	Internship II in Secondary School Counseling

\*Internships must consist of both an elementary and secondary experience

### Kinesiology – Coaching

The Online Master of Science in Kinesiology – Coaching program (non-licensure) is designed to promote individual change within the professional practice of professionals enrolled in the program. The philosophical foundation of the master’s degree is to extend the students’ prior knowledge and experiences including an understanding of philosophy and ethics, safety and injury prevention, physical conditioning, growth and development, teaching and communication, sport skills and tactics, organization and administration, and evaluation.

Students will be able to demonstrate competencies outlined by the National Standards for Sport Coaches as well as the competencies that have been established for the graduate programs at Southern Arkansas University. The program will be delivered online to enable working professionals greater flexibility in completing their advanced educational studies. The online format enables working professionals to complete their master’s degree in a timelier manner. Many professionals working and/or living in communities within our region, due to restraints of time and distance, are unable to attend evening courses during the school year. The online environment will allow more educators/coaches greater access to graduate education.

#### **Specific Degree Requirements** (See the website for course rotation)

KINE	6243	Advanced Exercise Physiology
KINE	6323	Sport Administration
KINE	6363	Workshop in Kinesiology
KINE	6423	Instructional Strategies & Techniques in Coaching
KINE	6433	Sport Safety and Injury Prevention
KINE	6813	Psychology of Athletic Coaching
KINE	6823	Scientific Analysis of Sport Skills and Motor Learning
KINE	6833	M.S. in Kinesiology – Coaching Capstone Portfolio
KINE	6923	Statistical Methods
KINE	6933	Methods of Research in Kinesiology
KINE	6943	Legal Issues in Kinesiology

#### **Admission to the Online M.S. in Kinesiology – Coaching Graduate Program:**

Admission to the School of Graduate Studies does not imply admission to Online M.S. in Kinesiology - Coaching degree program. Students who are seeking entrance into this program must also meet all the requirements listed below prior to enrolling in graduate courses.

- ✓ Make contact with the Program Director, Mr. Steven D. Dingman, either by phone (870-235-4383) or email ([sddingman@saumag.edu](mailto:sddingman@saumag.edu)).
- ✓ Complete and return the application for acceptance into the Online M.S. in Kinesiology – Coaching Program packet which includes the following:
  - Cover letter and resume including a minimum of three references
  - “Acknowledgement of Program Requirements” form
  - The Cooperating Agency / Mentor Approval Form

If required by the cooperating agency, you may be required to provide a copy of your Criminal History background check. You must complete one for acceptance to the program when required by the cooperating agency.

**Procedure for Criminal History Check**

1. The ASP form 122, Individual Record Check Form, must be completed in its entirety.
2. A check or money order in the amount of \$25 made payable to the Arkansas State Police must be included for an Arkansas record check. An additional check or money order for \$19.25, made payable to the Arkansas State Police, must be included for the FBI (national) record check.
3. The **signature** on the ASP form 122 or approved agency form **must be notarized.**
4. Return form and fingerprint card to:  
Arkansas State Police, Identification Bureau  
#1 State Police Plaza Drive, Little Rock, AR 72209  
To contact the Identification Bureau, you may call 501.618.8500.

**The ASP form 122 and the fingerprint card are available by contacting the Program Director.**

- Purchase a *LiveText*<sup>TM</sup> subscription

It is the responsibility of each student to read and understand the Student Handbook for the Online Master of Science in Kinesiology - Coaching Degree Program and the Portfolio Guide for the Online Master of Science in Kinesiology - Coaching Degree Program

**Criteria for Selection into Online M.S. in Kinesiology – Coaching Program**

To ensure quality on-line instruction, the class size for each course is set at twenty students. In the event we receive more than twenty applicants to start each rotation the following criteria will be used to determine who will be selected:

1. Undergraduate degree area / GPA
2. GRE or MAT scores
3. Graduate Assistantship at SAU
4. Coaching experience

**Only those applicants who have completed all admission requirements will be considered for selection into the program.**



### Clinical and Mental Health Counseling

The purpose of the program is to provide (a) graduate-level training for individuals seeking employment by community mental health centers, the Arkansas State Department of Human Services, and other community agencies; (b) electives and enrichment for other master's degree programs; and (c) courses of interest to persons holding a baccalaureate degree.

The master's degree in clinical and mental health counseling is designed to provide students with training in both clinical and developmental counseling. It also meets Arkansas licensure requirements for Licensed Professional Counselors. Candidates for this degree will be required to develop skills necessary to provide personal and group counseling for clients in mental health, community agencies, private practice, and business and industry settings.

A student's plan of study is designed to meet licensure requirements according to Arkansas law. Southern Arkansas University is not responsible for courses required for licensure if the state changes requirements after the student's program is approved. Earning a master's degree from Southern Arkansas University does not mean that the degree recipient will receive a license.

Applicants to the MS in Counseling program are required to submit a letter of application prior to admission to the program.

#### Specific Degree Requirements

Each candidate for the master's degree in clinical and mental health counseling will be required to complete the 60 semester hours listed below. The Board of Examiners in Counseling accepts only grades of *A* or *B* in these courses.

#### Counseling Curriculum

##### Professional Education Core Courses (3 credit hours)

COUN	6083	Research and Program Evaluation
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##### Counseling Core Courses (57 credit hours)

COUN	6403	Introduction to the Counseling Profession
COUN	6413	Ethical, Legal and Professional Issues in Counseling
COUN	6423	Counseling Theories
COUN	6433	Basic Counseling Skills
COUN	6443	Group Counseling
COUN	6453	Human Development for Helping Professionals
COUN	6463	Career Counseling: Theory and Practice
COUN	6473	Counseling in a Diverse Society
COUN	6483	Assessment Procedures for Counselors
COUN	6493	Practicum in Counseling
COUN	6503	Case Management and the DSM
COUN	6513	Clinical Mental Health Counseling Internship I
COUN	6523	Clinical Mental Health Counseling Internship II
COUN	6533	Advanced Counseling Skills and Techniques
COUN	6543	Substance Abuse Counseling: Theory and Practice

COUN	6553	Marriage and Family Counseling: Theory and Practice
COUN	6563	Human Sexuality: Concepts, Theory and Practice
COUN	6573	Psychopharmacology and the Counseling Profession
COUN	6583	Counseling Children and Adolescents

College of Liberal and Performing Arts  
Dr. Helmut Langerbein, dean

The College of Liberal and Performing Arts provides programs that promote behavioral, linguistic, and artistic understanding; critical thinking; and accurate expression, enjoyment, and skillful performance of the arts. The college 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, music and theatre, and then increasing their skills for fulfilling civic and social responsibilities in a democratic society. The college offers degree programs that provide students with the knowledge and experience in fields of specialization that 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, communications design, or game, animation and simulation), criminal justice, English, foreign language (Spanish and French), history, mass communication (digital cinema and media production or mass media), music, music education, political science, psychology, social work, and theatre. The college offers a pre-law program and professional education programs in English, foreign language, and music. In addition, the college offers minors in art history, Africana studies, Asian studies, criminal justice, digital cinema and media production, English, French, geography, history, juvenile justice, mass media, music, philosophy and religious studies, political science, psychology, sociology, social work, Spanish, teaching English as a second language, theatre, and writing. The college is served by the following departments: Art and Design; Behavioral and Social Sciences; English and Foreign Languages; History, Political Science, and Geography; Performing Arts and Mass Communication.

**Mission Statement**

A liberal education is the best preparation for life and for students' future careers in a modern changing global society. The College of Liberal and Performing Arts seeks to foster students' ability to think critically, become tolerant of diversity, adhere to ethical values, communicate effectively, and become responsible citizens. In addition, the college seeks to inculcate in each student an appreciation of literature, music, theatre, and art, and to provide the campus and region with opportunities for participation in these disciplines.

### Master of Public Administration (MPA)

The Master of Public Administration (MPA) is designed to prepare individuals for positions of leadership in public service organizations. This program will provide a strong foundation in public policy, the organizational environment, the management of public service organizations, and the application of quantitative and qualitative analysis to decision making.

#### Specific Degree Requirements

Each candidate for the master's degree in Public Administration will be required to complete 24 credits of core courses, 9 credits of electives, and 3 credits of professional project.

#### Required Core Courses (24 credit hours):

PA	6003	Principles of Public Administration
PA	6023	Ethics
PA	6053	Public and Non-profit Budgeting
PA	6063	Public Policy
PA	6073	Research Methods
PA	6083	Organizational Leadership
PA	6153	Public Personnel Administration
PA	6263	Program Evaluation

#### Electives (9 credit hours) selected from the following:

PA	6013	Statistics for Public Administrators
PA	6033	Rural Politics
PA	6043	Legal Issues in Public Administration
PA	6133	The third sector: Theory and practice
PA	6183	Special Topics I
PA	6193	Special Topics II
PA	6253	Social Activism

With advisor approval, courses outside of the PA program may be used as electives.

#### Required Project Course (3 credit hours):

PA	6113	Professional Project*
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MPA with Social Entrepreneurship Emphasis Program Requirements (36 hours)		
PA	6003	Principles of Public Administration
PA	6023	Ethics
PA	6053	Public and Non-Profit Budgeting
PA	6063	Public Policy
PA	6073	Research Methods
PA	6083	Organizational Leadership
PA	6153	Public Personnel Administration
PA	6263	Program Evaluation
PA/SE	6113	Professional Project
MGMT/SE	6033	Creativity, Innovation, & Entrepreneurship

Select **six** hours from the following (one course must be taught by MBA faculty member):

ECON/SE	6043	Issues in Environmental Economics
MGMT/SE	6053	International Business
PA/SE	6133	The Third Sector: Theory and Practice
PA/SE	6253	Social Activism
SCM/SE	6013	Project Management
SCM/SE	6143	Sustainable SCM Practices

#### **\*Professional Project**

All students are required to complete a professional project. This project is expected to incorporate the skills learned in the MPA program in a written product that is of use to a particular agency or organization. The student must receive prior approval in writing from the director of the MPA program before proceeding on the project. The student must be registered for PA 6113 during the term in which the project is completed. If a project is not completed during the term for which the student is enrolled, a grade of *NC* will be assigned. In order to complete the project the student must be enrolled for the credits during the term in which it will be completed. If the student is successful in completing the project a grade of *CR* will be assigned for the term during which the project was completed. However, any previous *NC* grades will not be changed and only the credits the student earned while enrolled in the semester that the project was completed will be awarded.

## Master of Public Administration and Bachelors of Political Science

### **Specific Degree Requirements**

By the end of the fourth year, students should complete 120 credit hours (108 undergraduate + 12 graduate) and receive their BA degree. They should complete an additional 24 graduate hours in their fifth year (including summers). After the completion of 144 hours (108 undergraduate + 36 graduate) they will be conferred the MPA degree if all other requirements are satisfied. Please meet with Dr. Paul Babbitt during your sophomore or junior year, if interested.

### **12 hours of Graduate Courses to be taken senior year (12 hours will count toward BA degree):**

PA	6003	Principles of Public Administration (Required first semester)
PA	6153	Public Personnel
PA	6023	Ethics
PA	6063	Public Policy or*
PA	6083	Organizational leadership
PA	6073	Research Methods or*
PA	6263	Program Evaluation

\* Students will be required to take the other course during their second year

### **Remaining MPA courses**

PA	6053	Public and nonprofit budgeting
PA	6153	Public Personnel
PA	6023	Ethics
PA	6063	Public Policy or
PA	6083	Organizational leadership
PA	6073	Research Methods or
PA	6263	Program Evaluation
		Elective (advisor approval required)
		Elective (advisor approval required)
		Elective (advisor approval required)
PA	6113	Professional Project*

College of Science and Engineering  
Dr. Abdel Bachri, dean

The College of Science and Engineering is divided into six departments: Agriculture; Biochemistry and Chemistry; Biology; Engineering and Engineering Physics; Mathematics and Computer Science; and Nursing. These departments offer a variety of programs leading to baccalaureate and associate degrees. The college also contributes to the general education of those students majoring outside of the College of Science and Engineering. The Center of Teaching Excellence in Math and Science, coordinated by the college, provides outreach programs and support for the public schools with the general service region of southwest Arkansas.

The mission of the college is to educate students in the natural sciences, physical sciences, mathematics, computer science, agriculture, and nursing to prepare them to enter industrial, governmental, and professional careers as well as advanced degree.

**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 website under Academics and Assessment.

### Master of Science in Agriculture

The Master of Science in Agriculture gives the graduate student advanced knowledge in the field of agricultural education, preparing the student to succeed in positions of leadership and management in secondary schools and extension education.

#### Specific Degree Requirements

Each candidate desiring to complete the Master of Science in Agriculture degree must complete 33 semester hours, 18 of which are required core courses and 15 elective hours. The eleven courses will be offered in one calendar year. All courses will be taught online. This program is designed to best serve agricultural educators in providing a quality education to place-bound agricultural professionals.

#### Required Core Courses

AGRI	6063	Advanced Leadership for Agri Professionals
AGRI	6083	Professional Development in Agriculture
AGRI	6123	Philosophy of Agricultural Education
AGRI	6133	Experiential Learning
AGRI	6153	Leadership of Volunteers
EDUC	6003	Educational Research

#### Select 15 hours from the following:

AGRI	6143	Adult Education in Agriculture
AGRI	6163	Practical Experiences for Career Orientation Courses
AGRI	6173	Methods of Organizing and Teaching Career Orientation
EDUC	5033	Classroom Assessment
EDUC	6043	Current Issues and Trends in Education
EDUC	6063	Applications of Technology in Education
EDUC	6083	Application of Learning Theories
EDUC	6403	School Law

## Master of Science in Computer and Information Science

### Statement of Purpose

The Master of Science in Computer and Information Science (MCIS) program is designed to provide students a strong foundation in computer science, with a specific focus on several key application areas including Information Technology, Data Science and Cyber Security. Anticipated career tracks for the MCIS graduates include working as data analysts, security experts, software engineers, or IT managers, or pursuing doctoral studies to serve in academic positions.

### Undergraduate Requirements

Students should have a bachelor's degree in computer science or a related field. Students with a bachelor's degree in other areas will be considered, but will require to complete MCIS 5023 Computer Science Fundamentals: Concepts, and MCIS 5033 Computer Science Fundamentals: Programming, prerequisite courses. No credit is awarded towards the MCIS degree for the completion of these prerequisite courses.

### Master of Science in Computer and Information Science (General)

#### Specific Degree Requirements

Each candidate for the Master of Science in Computer and Information Science degree must complete a minimum of 30 semester hours of coursework.

#### Core courses (12 hours):

MCIS	5103	Advanced Programming Concepts
MCIS	5133	Data Base Management Systems
MCIS	6163	Computer Networking
MCIS	6173	Information & Networking Security

#### Choose 18 hours from the following:

MCIS	5003	Survey of Information Technology
MCIS	5013	UNIX Operating System
MCIS	5113	Web Programming: Client Side
MCIS	5313	Data Structures and Algorithms
MCIS	5413	Web Programming: Server Side
MCIS	6123	Decision Science
MCIS	6133	User Interface Design
MCIS	6153	Software Engineering
MCIS	6183	Special Topics
MCIS	6201-6	Special Topics Seminar
MCIS	6213	Applied Cryptography
MCIS	6223	Vulnerability and Risk Assessment
MCIS	6233	Traceable Systems and Computer Forensics
MCIS	6243	Wireless and Mobile Security
MCIS	6253	Privacy Compliant Systems Design
MCIS	6263	Big Data
MCIS	6273	Data Mining
MCIS	6283	Machine Learning
MCIS	6983	Internship in Computer and Information Science
MCIS	6911-6	Thesis

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**Master of Science in Computer and Information Science – Cyber Security and Privacy Option**

**Specific Degree Requirements**

Each candidate for the Master of Science in Computer and Information Science degree must complete a minimum of 30 semester hours of coursework.

**Required Core courses (12 hours):**

MCIS	5103	Advanced Programming Concepts
MCIS	5133	Data Base Management Systems
MCIS	6163	Computer Networking
MCIS	6173	Information & Networking Security

**Required Cyber Security courses (12 hours)**

MCIS	6223	Vulnerability and Risk Assessment
MCIS	6233	Traceable Systems and Computer Forensics
MCIS	6243	Wireless and Mobile Security
MCIS	6253	Privacy Compliant Systems Design

**Electives, Select 6 hours from the following:**

MCIS	5003	Survey of Information Technology
MCIS	5013	UNIX Operating System
MCIS	5113	Web Programming: Client Side
MCIS	5313	Data Structures and Algorithms
MCIS	5413	Web Programming: Server Side
MCIS	6123	Decision Science
MCIS	6133	User Interface Design
MCIS	6153	Software Engineering
MCIS	6183	Special Topics
MCIS	6201-6	Special Topics Seminar
MCIS	6213	Applied Cryptography
MCIS	6263	Big Data
MCIS	6273	Data Mining
MCIS	6283	Machine Learning
MCIS	6983	Internship in Computer and Information Science
MCIS	6911-6	Thesis

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**Master of Science in Computer and Information Science – Information Technology option**

**Specific Degree Requirements**

Each candidate for the Master of Science in Computer and Information Science degree must complete a minimum of 30 semester hours of coursework.

**Core courses (12 hours):**

MCIS	5103	Advanced Programming Concepts
MCIS	5133	Data Base Management Systems
MCIS	6163	Computer Networking
MCIS	6173	Information & Networking Security

**Required Information Technology courses (12 hours)**

MCIS	5003	Survey of Information Technology
MCIS	5113	Web Programming: Client Side
MCIS	5413	Web Programming: Server Side
MCIS	6153	Software Engineering

**Electives, Select 6 hours from the following:**

MCIS	5013	UNIX Operating System
MCIS	5313	Data Structures and Algorithms
MCIS	6123	Decision Science
MCIS	6133	User Interface Design
MCIS	6183	Special Topics
MCIS	6201-6	Special Topics Seminar
MCIS	6213	Applied Cryptography
MCIS	6223	Vulnerability and Risk Assessment
MCIS	6233	Traceable Systems and Computer Forensics
MCIS	6243	Wireless and Mobile Security
MCIS	6253	Privacy Compliant Systems Design
MCIS	6263	Big Data
MCIS	6273	Data Mining
MCIS	6283	Machine Learning
MCIS	6983	Internship in Computer and Information Science

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## Master of Science in Computer and Information Science – Data Science Option

### Specific Degree Requirements

Each candidate for the Master of Science in Computer and Information Science degree must complete a minimum of 30 semester hours of coursework.

#### Core courses (12 hours):

MCIS	5103	Advanced Programming Concepts
MCIS	5133	Data Base Management Systems
MCIS	6163	Computer Networking
MCIS	6173	Information & Networking Security

#### Required Data Science courses (12 hours)

MCIS	6123	Decision Science
MCIS	6263	Big Data
MCIS	6273	Data Mining
MCIS	6283	Machine Learning

#### Electives, Select 6 hours from the following:

MCIS	5003	Survey of Information Technology
MCIS	5013	UNIX Operating System
MCIS	5113	Web Programming: Client Side
MCIS	5313	Data Structures and Algorithms
MCIS	5413	Web Programming: Server Side
MCIS	6133	User Interface Design
MCIS	6153	Software Engineering
MCIS	6183	Special Topics
MCIS	6201-6	Special Topics Seminar
MCIS	6213	Applied Cryptography
MCIS	6223	Vulnerability and Risk Assessment
MCIS	6233	Traceable Systems and Computer Forensics
MCIS	6243	Wireless and Mobile Security
MCIS	6253	Privacy Compliant Systems Design
MCIS	6983	Internship in Computer and Information Science
MCIS	6911-6	Thesis

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## Graduate Certificate in Cyber Security and Privacy

Admission requirements are the same as MCIS degree program requirements.

### Required Coursework (12 hours)

MCIS	6173	Information and Network Security
MCIS	6223	Vulnerability and Risk Assessment
MCIS	6233	Traceable Systems and Computer Forensics
MCIS	6253	Privacy Compliant Systems Design

## Master of Science in Computer Science (MS part of the BSMS in Computer Science program)

### Specific Degree Requirements

Each candidate enrolled in the BSMS in Computer Science program must complete 6 graduate hours of coursework during the final semester of the BS program, and a minimum of 24 additional semester hours of graduate work during the MS program to earn the Master of Science in Computer Science degree.

### The following 6 hours to be completed during the final semester of the BS program:

MCIS	6233	Traceable Systems and Computer Forensics
MCIS	6253	Privacy Compliant Systems Design

### The following 24 hours to be completed during the MS program:

MCIS	6123	Decision Science
MCIS	6263	Big Data
MCIS	6273	Data Mining
MCIS	6283	Machine Learning
MCIS	6303	Survey of Literature in CSCI
MCIS	6916	Thesis
MCIS	6933	Research Methods in CSCI

## Academic Policies and Procedures

### Additional Master's Degree

Students holding a valid master's degree from an accredited institution may be awarded an additional master's degree upon the completion of a minimum of 30 additional hours of approved coursework. A maximum of nine hours of approved courses taken with the first degree may count toward the second degree as long as the 30 additional graduate hours minimum is met. These courses must have been completed no more than six years prior to enrollment in the second degree (five years for transfer hours) and must be required in both degrees. All requirements for the second degree must be met, including an application. Degrees with options or emphases cannot be awarded more than once.

### Obtaining Two Degrees Concurrently

A graduate student may earn two graduate degrees simultaneously, provided that the student:

1. Satisfies all degree requirements for both degrees
2. Earns at least 30 hours of coursework unique to each degree
3. Double counts (i.e., counted in both programs) no more than nine hours for both degrees as approved by the dean(s)
4. Maintains separate degree plans
5. Completes and files an online Application for Graduation in the School of Graduate Studies for each degree (see the SAU website for exact dates)

### Concurrent Enrollment

An undergraduate senior in the Colleges of Education, Liberal and Performing Arts, or Science and Technology at Southern Arkansas University may request permission to enroll in a maximum of six hours of graduate coursework fall and spring semesters of the senior year. The student's total course load (undergraduate and graduate) that semester may not exceed 18 hours. A student fulfilling the student teaching requirement is not permitted to take any additional coursework beyond the Student Teaching Block. The student must have a 3.0 cumulative grade point average and the written approval of the undergraduate advisor and the dean of the School of Graduate Studies. The permission form may be secured from the School of Graduate Studies. The approved form must be filed with the registrar prior to registration. The graduate courses may not be used to satisfy baccalaureate degree requirements, unless approved by the department chair, college dean, and the vice president for academic affairs.

An undergraduate senior in the College of Business at Southern Arkansas University may request permission to enroll in a maximum of six hours of graduate coursework per semester in their senior year. The student's total course load (undergraduate and graduate) during those semester may not exceed 18 hours. The student must have a 3.5 cumulative grade point average and the written approval of the MBA Director and the dean of the School of Graduate Studies. The permission form may be secured from the School of Graduate Studies. The approved form must be filed with the registrar prior to registration. The graduate courses may not be used to satisfy baccalaureate degree requirements, unless approved by the department chair, college dean, and the vice president for academic affairs.

## Graduate Certificates

Graduate certificate programs are designed for students who seek a shorter program focused on career development, licensure or knowledge of a specific discipline.

Requirements for graduate certificate programs:

1. All courses used for a certificate must be graduate level courses
2. A minimum of 12 credit hours are required to earn a certificate
3. Students must maintain the same academic standings as a degree-seeking student
4. To receive a graduate certificate, a student must have a minimum 3.00 grade point average (GPA) on all certificate coursework. All grades for courses taken towards the certificate are included in the GPA
5. The minimum grade to receive certificate credit is "B."
6. Transfer credit from other institutions is not allowed for a graduate certificate. All coursework must be registered through Southern Arkansas University.
7. All graduate certificate requirements must be completed within six (6) calendar years, beginning with the date the student commences courses applicable to the certificate, unless a more restrictive time limit has been established by the program or college.
8. A student may obtain more than one certificate. Each certificate must have at least nine unique credit hours

Students who are pursuing a graduate certificate while also pursuing a graduate degree will be classified as degree-seeking students. Students who are pursuing a certificate while not enrolled in a degree program will be classified as non-degree seeking graduate students.

Course credit from a graduate certificate can be applied toward a master's degree program. Certificate programs can be included within or added to existing masters degrees. Students can use the same course to earn both a certificate and a graduate degree as long as the requirements for both have been fulfilled.

If a student has graduated from one of SAU's approved graduate degree programs and then wishes to apply for a certificate using hours previously earned, the student must apply for admission to SAU as a non-degree seeking graduate student and indicate intent to seek admission into a certificate program.

It is the responsibility of the student to meet with the certificate program advisor during the last semester of certificate coursework in order to determine that all requirements for completion have been met. It is also the responsibility of the student to apply for the certificate by the established deadlines.

Once graduate certificate program requirements are completed, a student can request a certificate. In order to receive a completed certificate, the student must:

- Complete all admission and course requirements for the certificate. Note: Students must maintain a 3.0 grade point average in the graduate certificate coursework to be eligible for completion.
- Complete the graduate certificate program completion form.
- Submit the completed form to the program advisor by the following deadlines:
  - September 1<sup>st</sup> for Fall Semester
  - February 1<sup>st</sup> for Spring Semester

- May 1<sup>st</sup> for Summer Sessions
- The program advisor will:
  - Confirm the satisfactory completion of certificate course requirements
  - Sign the completion form and attach degree audit
  - Send the signed form and degree audit to the Office of Graduate Studies
- The Graduate Office will:
  - Notify the SAU Office of the Registrar of completion so that the student's transcript can be updated
  - Order a formal certificate of completion

#### Academic Advising

Every student admitted to SAU's graduate program is assigned a faculty advisor to assist in scheduling classes and planning the program of study.

Each advisor assigned is a member of the graduate faculty and a faculty member in the department in which a major component of the student's graduate study will be done. The progress of study will be planned in consultation with the advisor within the structure of the program curricula outlined by Southern Arkansas University.

In addition to helping a student select the graduate courses that will make a unified and balanced program of study, each graduate advisor will be responsible for the following duties:

1. Assisting the advisee in completion of the degree audit.
2. Completing necessary forms as needed on an individual basis (e.g., substitution form, catalog change form).
3. Submitting questions for written and/or oral examination (if applicable).
4. Grading written and/or oral examination (if applicable).
5. Directing the completion and defense of portfolio/project (if applicable).
6. Evaluating/approving thesis filed for graduation (if applicable).

#### Course Numbers

Courses with numbers 1000-4999 are undergraduate courses. The 5000-level courses are dual listed (4000/5000) for both undergraduate and graduate credit. Undergraduate students enroll under the 4000-level number and graduate students under the 5000-level number. Graduate students will have additional in-depth assignments in dual-numbered courses. The last digit indicates the number of semester credit hours awarded upon satisfactory completion of the course (e.g., EDUC 6003).

A 5000-level course will not count as graduate credit if the corresponding 4000-level course with the same title and content was taken for undergraduate credit.

### Course Loads

**Six credit hours or more are considered full-time in a regular academic semester.**

A graduate student wishing to enroll in more than 12 hours of coursework during a semester must obtain permission of the college dean and the vice president for academic affairs. For a five-week summer term, 3 (three) credit hours constitute a full-time load. A graduate student wishing to enroll in more than 6 (six) hours of summer coursework per summer term must obtain permission of the college dean and the vice president for academic affairs.

### 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.

The last day a student will be allowed to register is the sixth class day of a regular semester or the second class day of a summer session. Class days are Monday through Friday. Students registering on or after the first day of classes must pay a \$50 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 fee.

### Dropping a Course

A student may drop a course without penalty until the end of office hours on Wednesday of the 11th week of a regular semester or Wednesday of the third week of a summer term subject to the consultation with the advisor and the payment of a \$10 fee. A student will not be allowed to drop a course after these deadlines except for circumstances beyond the student's control which are approved by the Registrar.

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.

### Auditing Courses

Any student who has been officially admitted to the University may audit a course with the approval of the dean of the School of Graduate Studies and the instructor and upon payment of the fee for the course. Although subject to the same regulations as other students, students auditing a course are not required to take examinations and they do not

receive credit for the course. Students may audit a course after completing it for credit, or they may take the course for credit after previously auditing it.

#### Withdrawing from the University

##### **Withdrawing from the University (through week 11 of a semester or week three of a summer session or week 10 of a long summer session or day 4 of an intersession)**

A student who chooses to leave the University for any reason must officially withdraw. The student should submit a request to withdraw via Campus Connect through his/her MySAU account. The process is not complete until the withdrawal has been approved by each administrative area listed: 1.) Residence Hall Director, 2.) Post Office, 3.) Dean of Students, 4.) Director of Library, 5.) Business Office, 6.) Financial Aid, and 7.) Registrar's Office. If a student has a hold in any of the administrative areas, he/she will have five business days to resolve the hold. The official date of withdrawal will be the date in which all holds have been removed. Any student who pre-registers and saves a schedule on-line or by signing a statement with the Business Office must follow this withdrawal process.

##### **Withdrawing from the University (week 12 through week 14 of a semester or week four of a summer session or week 11 of a long summer session)**

If a student withdraws from the University from week 12 through week 14 of a semester or week four of a summer session or week 11 of a long 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. The student must follow the process as outlined in section "Withdrawing from the University (through week 11 of a semester or week three of a summer session)."

##### **Withdrawing from the University (the two final weeks of a semester or during the final week of a summer term or beginning day 5 of an intersession)**

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 cases approved by the vice president for academic affairs. If approved, the student must obtain a withdrawal card from the Office of Student Life. The process is not complete until the withdrawal card is signed by each administrative area listed in the following order: 1.) Residence Hall Director, 2.) Post Office, 3.) Dean of Students, 4.) Director of Library, 5.) Business Office, 6.) Financial Aid, and 7.) Registrar's Office. Appeals must be approved by a committee of the vice president for academic affairs, the vice president for 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.

#### Class Attendance

Each student enrolled in a course is expected to attend all class meetings. A student who is absent from a quiz, examination, or other class exercise must report to the professor the reason for the class absence. If the cause of absence is acceptable, the instructor may arrange for the student to make up the work missed.

#### Online Class Attendance

Student attendance in online courses is defined as active participation in the course as described in the individual course syllabus. Online courses will, at a minimum, have weekly (no more frequently than daily) mechanisms for student participation, which can be documented by any or all of the following methods:

- Completion of tests or quizzes
- Discussion forums
- Submission/completion of assignments
- Communication with the instructor
- Other course participation

Students are required to log in to each online course by the second day during the week in which the course officially begins, or the day enrolled during late registration, to complete the initial introductory postings required in the course. As a component of attendance, student email, course announcements, and discussion forums should be checked frequently (daily is recommended). The student is solely responsible for checking updates related to the course. Note: nonattendance may affect financial aid. If a student fails to meet the attendance requirements, he or she may be recommended for withdrawal from the course. In the case of an anticipated absence, such as military deployment, the student should contact the instructor in advance and make arrangements to complete the required assignments. In case of an emergency (illness/accident or death in family), the student should contact the instructor as soon as possible providing documentation supporting the need for any late submission of a graded event.

A student's absence from class in excess of the equivalent of one week of instruction, or missing three assignment due dates in an online course, may be reported to the dean of students. **At the graduate level, one week of instruction is equivalent to one three-hour class meeting.** The dean of students will then send the student a notice of pending action. The student is advised to contact the instructor as soon as the notice has been received. Ten calendar days after the report is submitted by the instructor during the 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 *WN* (withdrawal for non-attendance under extenuating circumstances) or *WF* (withdrawal with failure) will be given for the course.

Notification of excessive absences (*WN* or *WF*) may not be given during the final two weeks of a semester or the final week of a summer term.

### Grading System

The Southern Arkansas University School of Graduate Studies uses the grading system of *A*, *B*, *C*, *D*, and *F*. The letters have the following significance for graduate students:

<u>Grade</u>	<u>Grade Points per Semester Hour</u>
<i>A</i> excellent	4
<i>B</i> acceptable	3
<i>C</i> below acceptable standard	2
<i>D</i> failure	1
<i>F</i> failure	0

Other grades that may be recorded are *AU*, audit; *CR*, credit; *I*, incomplete work; *NC*, non-credit; *P*, pass; *W*, withdrawal with passing work; *WN*, withdrawal for excessive absence and *WF*, withdrawal with failure. A *WF* is computed as an *F* in the grade point average; a *W* is not computed in the grade point average.

### Incompletes (*I* Grades)

In a regular graduate course (courses other than project or thesis courses), a grade of *I* may be given only for illness or circumstances beyond the student's control.

Grades of *I* for regular coursework **must be removed by the deadlines listed in the academic calendar or they will be changed to a grade of *F*.**

Significant differences exist between the policies on *I* grades at the undergraduate and graduate levels at SAU because project courses and theses involve research that may require more than one semester to complete. Unlike *I* grades in regular courses, *I* grades in project and thesis courses are not automatically changed to an *F* as indicated in the academic calendar.

**Students are not eligible for graduation until all *I* grades are removed from their transcripts.**

#### Grade Point Average

To determine the student's academic standing at any given time, the grade point average is used. 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. The total number of points received for all courses is divided by the total number of hours attempted at Southern Arkansas University.

Up to nine hours of approved coursework from regionally accredited institutions may be accepted and posted on the SAU transcript. Grades earned at other institutions will not be used to calculate a student's cumulative grade point average.

#### Repeating Courses

The grade earned the last time the course is taken is the grade that will be considered the final grade. All grades will remain on the permanent record.

The policies for repeating graduate courses are significantly different from those at the undergraduate level. All graduate courses taken at SAU (including repeated courses) are included in the computation of the cumulative grade point average.

#### Length of Time to Complete a Degree

The University reserves the right to make changes in any individual course or program of study in the curricula leading to degrees or in any other printed catalog requirement.

As changing requirements might continually prevent a student from graduation, the University has an obligation to assure regular and continuous students that they may pursue a required program and graduate without undue imposition of additional requirements.

All courses for the master's degree, including courses accepted as transfer credit from other universities, must be completed within a six-year period (e.g., enrollment date of Fall 2015 - degree requirements must be completed by Fall 2021; or Spring 2015 graduation - courses completed prior to Spring 2009 will not count towards degree completion).

#### Transfer of Credit

With the approval of the advisor and the dean of the School of Graduate Studies, up to nine semester hours of approved coursework from regionally accredited institutions for which the student earned a grade of *B* or higher may be applied toward a master's degree. **All transfer hours submitted for program credit must have been completed no more**



**than six years prior to the completion of the SAU graduate program.** Faculty of a particular graduate program may restrict the number of transfer hours permitted to a lower maximum than permitted by the general graduate school policy. Some programs in the College of Education will accept up to nine hours of credit from American Council of Education (ACE).

A student wishing to transfer credits from other institutions must provide the School of Graduate Studies a course description or syllabus, and an official transcript from the transferring institution if the transcript is not on file with the registrar. Transfer credits will be accepted only from institutions that have accredited programs similar to those of SAU. Transfer credits will be posted on the SAU transcript; however, grades earned at other institutions will not be used to calculate a student's cumulative grade point average. Students should be aware of the difference in quarter hours and semester hours. Quarter hours do not equate to semester hours.

If, after admission to an SAU program of study, a student wishes to take a course at another institution to count toward program requirements at SAU, the student must secure, in advance of enrollment, advisor approval and submit an off-campus approval form to the School of Graduate Studies. Additionally, students who wish to take a course off-campus **during the semester of graduation** must submit a request to take off-campus courses during the semester of graduation form. Both forms can be found on our website [www.saumag.edu/graduate](http://www.saumag.edu/graduate).

#### Workshop Credit

Workshops typically involve educational experiences in which an attempt is made to develop specialized skills in focused areas, often emphasizing a hands-on approach. Students taking workshops for graduate credit are required to follow all graduate school admission procedures as listed in the graduate catalog. Workshop students have a choice of continuing education credit through the Office of Continuing Education or graduate credit through the School of Graduate Studies. Student file must be complete in graduate office *before* the workshop begins to receive graduate credit.

**A maximum of six credit hours in workshop courses may be counted in a degree program, subject to the approval of the graduate advisor and the college dean.** Individual degree programs may be more restrictive in their policies regarding the number of workshop credits that can be counted toward a graduate degree. In addition to these workshop credits, with advisor approval, a student in a teacher education degree program may enroll in an additional three hours of EDUC 6801-3 or EDUC 6813 Teacher Education Seminar for credit toward a degree program. **Workshop credit may not be used to satisfy professional education core requirements.**

#### Degree Audit

At the completion of 12 hours of graduate coursework, students pursuing a master's degree are required to review their degree audit, grades earned, and any deviations from the degree plan and submit verification of the degree audit online. Students will be placed on hold until verification is received in the graduate office. When changes to the degree plan are made, the advisor is required to approve the changes. The degree audit is a student's final degree plan. A student must have a 3.0 GPA to complete a degree audit. Any unauthorized changes in the plan may result in the student having to take additional courses to satisfy requirements for the degree.

A student who has an *I* grade in a graduate course, has failed to complete any specified compensatory course, or has failed to meet any other degree requirements will not be recommended for graduation.

### Thesis

The candidate completing a thesis as a component of a master's degree program must submit an approved thesis to the dean of the School of Graduate Studies as partial fulfillment of the requirements for the degree. Thesis format guidelines are available in each college dean's office and may vary by program.

Credit will be given for writing the thesis and for research completed and incorporated into the thesis. No more than six credit hours may be earned for the thesis. A student may register for either three or six credit hours per semester. Thesis enrollment under the University's supervision must be continuous from the initial enrollment. The thesis must be completed within a maximum of two calendar years from initial thesis enrollment. An *I* grade will be awarded each semester or term until completion. An *I* grade received for thesis credit will not become a grade of *F* unless there is no continuous enrollment or the thesis has not been completed within the two years allotted. The final grade on thesis work will be either *CR* (credit) or *NC* (no credit) and will not be figured into the grade point average.

The thesis is to be prepared under the guidance of the student's thesis advisor and must demonstrate sound methodology and scholarship. If a student elects to write a thesis, the committee will direct the thesis activity and will ultimately give the final pass or fail grade for the project. The degree advisor normally serves as the thesis advisor, but an alternate thesis advisor who is willing to accept that responsibility may be selected from the degree committee. The thesis must be prepared according to an approved publications style manual.

The choice of a thesis program or a non-thesis program should be determined and declared when the degree audit is submitted (upon completion of 12 hours). The student's graduate degree committee must be selected at that time and the committee members must sign the degree audit.

The student's committee must approve the topic and outline before the beginning of the semester in which the student expects to enroll for the thesis. Upon receiving the signatures of approval for the final manuscript, the student may proceed with printing the final four required copies. A copy of the Preliminary Approval of Thesis form must accompany each copy. (**Note: The student must be certain the committee will be available if work is to be completed in the summer when faculty may not normally be available.**)

Final copies must be submitted to the committee chair a minimum of **five weeks prior** to graduation. The committee must have a minimum of two weeks before it is to submit the final copies to the dean of the college and the dean of the School of Graduate Studies, who must then have a minimum of three weeks before graduation. When the final version of the thesis has been approved by each committee member, the candidate must submit the original and three copies of the thesis, along with the properly signed Approval of Completed Thesis form and a receipt from the Business Office covering binding costs of all copies, to the School of Graduate Studies.

### Comprehensive Examinations

Some programs require the completion of a comprehensive examination (other master's and licensure programs require a portfolio or project -- see **Portfolios and Projects**,

below). Students should contact their advisor for the specific requirements applicable to their program of study.

Comprehensive examinations are given during the student's final semester. December or May graduation candidates will be given exams no later than week 12 of the semester. August graduation candidates will be given exams no later than the third week of second summer session. Students should contact their advisor for specific dates.

Passing 80 percent of the committee's questions and receiving a majority vote of the committee are required for passing the comprehensive examination. If the student does not pass the examination, the student will meet with his/her advisory committee to determine the course of remediation needed. Remediation could include further coursework or directed study. A second unsuccessful attempt will result in another meeting and further remediation. If a third attempt is unsuccessful, the student will be dismissed from the graduate program with no degree awarded and/or no recommendation for licensure. There is no appeal if a student fails the comprehensive examination on the third attempt. Final results of comprehensive exams must be submitted to the School of Graduate Studies no later than two weeks prior to graduation.

#### Portfolios and Projects

Some programs require the completion of a portfolio or a project (other master's programs require comprehensive examinations — see **Comprehensive Examinations**, above). Students should contact their advisor for the specific requirements applicable to their program of study.

Portfolios for candidates of December or May graduation should be defended no later than week 12 of the semester in which the candidate plans to graduate. Portfolios for candidates of August graduation should be defended no later than the third week of the second summer semester in which the candidate plans to graduate. Students should schedule their portfolio defense with their advisor during registration of the semester of defense.

A majority vote of the evaluators is required to pass the portfolio requirement. If the student does not pass the portfolio requirement, the student will meet with his/her advisory committee to determine the course of remediation needed. Remediation could include further coursework or directed study. A second unsuccessful attempt will result in another meeting and further remediation. If a third attempt is unsuccessful, the student will be dismissed from the graduate program with no degree awarded and/or no recommendation for licensure. There is no appeal if a student fails the portfolio requirement on the third attempt. Final results of portfolios and projects must be submitted to the School of Graduate Studies no later than two weeks prior to graduation.

#### Graduation

##### Grade Point Average Required for Graduation

To receive a master's degree, a candidate must earn a cumulative grade point average of no less than 3.0 on a 4.0 scale in graduate coursework. Failure to earn such an average in the total number of hours required for the degree will result in the student being permitted to complete up to six additional graduate hours in order to earn a cumulative grade point average of 3.0 or higher, but in no case shall a student receive a degree if the cumulative grade point average is less than 3.0 after the completion of the six additional hours. In the computation of the grade point average, grades in all courses pursued at SAU for graduate credit (including repeated courses) will be included.

The grades of *D* and *F*, although used in the computation of the student's cumulative grade point average, are not accepted toward the completion of any degree or licensure

program. The grade of *C* is used in the computation of the cumulative grade point average, and a maximum of two *C* grades may be accepted toward the completion of any degree program. The courses in which grades of *C*, *D*, or *F* have been earned should be repeated.

#### **Application for Graduation**

A student seeking to complete degree requirements must fulfill the following:

1. Check with the program advisor for exact dates of graduate comprehensive exams, portfolios and other deadlines.
2. Complete and file an Application for Graduation online at [www.saumag.edu/graduate](http://www.saumag.edu/graduate) (see the SAU website for exact deadlines).
3. Pay graduation fee in the Business Office. The Business Office will bill the student for all graduation fees.
4. Review with the advisor the degree audit and any other conditions or changes needed to meet program requirements that may require additional courses or course substitutions.
5. Check with the School of Graduate Studies to determine if any deficiencies exist (e.g., course substitution forms).
6. Successfully complete exit requirement (e.g., comprehensive exam, portfolio) if required in the program of study.

To become a candidate for May graduation, a student must apply for graduation in early November during the prior fall semester. To become a candidate for August or December graduation, a student must apply for graduation in early April during the prior spring semester. Check the SAU website for exact deadlines each semester. Failure to meet these deadlines will result in a \$50 late fee.

For graduation purposes, **students will not be allowed to take courses off-campus the last semester/term of graduation.** Any exceptions to the regulation will be recommended by the dean of the student's major and approved by the registrar. Examples of exceptions to this regulation would be: class cancellations, classes not offered, class conflicts, and any other documented circumstances beyond a student's control.

It is the student's responsibility to have official transcripts sent to the Office of the Registrar at SAU for hours earned at other institutions. In order to graduate, an official transcript from the registrar of the off-campus institution verifying a grade of *B* or higher in each course must be received in the Office of the Registrar no later than one business day after the graduation ceremony.

Failure to meet this deadline will result in requiring the student to reapply for graduation. The student will then graduate at the next date of commencement provided all essential documents are complete and the student has reapplied for graduation.

Lack of knowledge or misinterpretation of policies and regulations on the part of the individual student does not absolve the student from fulfilling the requirements for a program of study. **Ultimate responsibility for completion of a program of study rests with the student.**

#### **Grade Appeals**

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 college, 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 college 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 college 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 college 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 college in which the grade is challenged. The representative will be appointed by the Faculty Senate president.
3. The dean of the college. 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.

#### Academic Probation and Suspension

A graduate student is expected to maintain a cumulative 3.0 average. Students who do not maintain a graduate cumulative grade point average of at least 3.0 will be placed on academic probation at the end of the semester, regardless of whether or not they receive notification. Any graduate student who receives a grade of *D*, *F* and/or *WF* in any graduate-level course will be placed on academic probation whether or not they receive notification. Transfer students with a cumulative gpa below 3.0 or on probation at another university will be placed on academic probation at SAU. A student placed on academic probation will be suspended from school if the current semester grade point average falls below 3.0 and/or receives a grade of *D*, *F* or *WF* in any semester while on academic probation.

A student suspended for academic reasons will not be allowed to register for classes or attend the University for one full semester (i.e., fall or spring). After one semester, the student may apply for readmission to the University on academic probation. The student will not be permitted to enroll further without the consent of the Graduate Council. To continue in graduate studies, the student must submit a written petition to the Graduate Council requesting reinstatement and outlining a plan to remedy the academic situation. If the student's current semester grade point average falls below 3.0 while on academic probation after the first suspension, the student will be suspended for one year from the

date of the second suspension. After one year, the student may apply for readmission on academic probation. To continue in graduate studies, the student must submit a written petition to the Graduate Council requesting reinstatement and outlining a plan to remedy the academic situation. Failure to earn at least a 3.0 in any semester while on probation after the second suspension will result in indefinite academic dismissal.

#### Academic Suspension Appeals

A student on academic suspension 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. The letter of appeal must reach the Office of the Vice President for Academic Affairs at least three business days prior to registration for the semester for which readmission is sought. Appeals received after that date will not be considered for that semester. 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.**

#### Other Academic Appeals

Written appeals should be filed with the department chair. If necessary, decisions are then appealed to the college dean, the graduate dean, and the graduate council. The student is to receive a written response within 10 calendar days following each decision. Written appeals must be submitted within three weeks following each decision, or they will not be considered. A decision made by the graduate council is the final decision.

#### Academic Bankruptcy for Returning Southern Arkansas University-Magnolia (SAU-M) Graduate Students

A Southern Arkansas University-Magnolia graduate student who has not been enrolled in any college or university for a period of at least five-years (60 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 only to course work attempted at SAU-M:

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 a graduate student seeking a graduate 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 graduate schools, or admittance to professional schools.

8. In regard to financial aid history, accumulated semester and award limits include all semesters of enrollment, including any semester of declared academic bankruptcy.
9. In regard to VA certification, accumulated semester and award limits include all semesters of enrollment, including any semester of declared academic bankruptcy.
10. 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 School of Graduate Studies at the time of application for re-admission to SAU School of Graduate Studies or within the first semester or term of enrollment. After reviewing all records to determine that, the student has met the five-year period of non-enrollment, the dean of graduate studies will verify the request, counsel the student, and contact the advisor. The Petition for Academic Bankruptcy will be forwarded to the registrar by the graduate dean.

### 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 four 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."

**Unofficial** – This transcript can be obtained from the student's account on Campus Connect.

**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.

## Student Responsibilities

### Fulfilling Requirements

Lack of knowledge or misinterpretation of policies and regulations on the part of the individual student does not absolve the student from fulfilling the requirements for a program of study. Ultimate responsibility for completion of a program of study rests with the student.

### Consulting with the Advisor

Each graduate student's program of study is planned with an advisor. The advisor interprets degree program requirements and arranges an orderly sequence of activities for the student's progress toward the anticipated degree. The student is responsible for maintaining satisfactory academic standing and for meeting all degree requirements and deadlines for graduation or licensure. Therefore, students are encouraged to consult with their advisor frequently.

**Students are responsible for the accuracy of their schedules, proper registration, fulfillment of all course prerequisites, and fulfillment of all requirements for graduation.**

### 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 2018, and updated in 2019.)

The mission of Southern Arkansas University empowers all members of the University community to develop and encourage learning environments that create, expand, acquire, share, evaluate, and communicate knowledge. Academic integrity at SAU is an organizational and individual responsibility. Students, faculty, and staff share responsibility for maintaining the highest standards for academic integrity.

#### 1. Academic Misconduct Definitions

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, cheating, and fabrication.

##### a. Plagiarism

Plagiarism is the act of taking and/or using the ideas, work, and/or writings of another person as one's own. Plagiarism occurs both when the words of another (in print, electronic, or any other medium) are reproduced without acknowledgement and when the ideas or arguments of another are paraphrased in such a way as to lead the reader to believe that they originated with the writer.

- i. To avoid plagiarism, give written credit and acknowledgement to the source of thoughts, ideas, and/or words, whether you have used direct quotation, paraphrasing, or just a reference to a general idea.
- ii. 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).
- iii. All course work including research performed and all assignments such as a written paper, must be the work of the person seeking academic



credit for the course. Under no circumstances can purchased papers, book reports, projects and/or other class assignments, or work otherwise obtained from individuals or companies be submitted as work of the student.

- iv. It is not sufficient to provide a citation if the words of another have been reproduced – this also requires quotation marks. It is the responsibility of all University students to understand the methods of proper attribution and to apply those principles in all materials submitted.

**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:

- i. Observing and/or copying from another student's test paper, report, computer file, and/or other assignments.
- ii. 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.
- iii. Using class notes, outlines, and other unauthorized information during an examination period unless permission is specifically given.
- iv. 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. This includes the uploading of quizzes, examinations, or any other graded material, with or without answers, to a third-party website.
- v. Exchanging places with another person for the purposes of taking an examination or completing other assignments.

**c. Fabrication**

- i. Fabrication is faking or forging a document, signature, or findings of a research project.
- ii. Other forms of fabrication may include unauthorized collaboration or submitting the same paper or portions of the same paper to two different courses without the consent of current instructor.
- iii. Forging a signature on an official SAU or other document.

**2. Academic Integrity Policy Application to all Students**

The University's academic integrity policy applies to all students enrolled in courses at the University. All forms of academic misconduct at SAU will be regarded as serious and may result in the student being expelled from the University.

Seminars related to academic integrity will be made available to faculty, students, and staff from time to time each year. The Divisions of Academic Affairs and Student Affairs will collaborate in publishing information about academic integrity and misconduct, with explanations and examples intended to help students make informed decisions about how they conduct themselves in their academic work.

**3. Faculty Syllabus Requirements**

Faculty will place in every course syllabus the following language:

Southern Arkansas University affirms its commitment to academic integrity and expects all members of the University community to accept shared responsibility for maintaining academic integrity. Students in this course are subject to the provisions of the University's Academic Integrity Policy, approved by the president and published in the Student Handbook. Penalties for academic misconduct in this course may include a failing grade on an assignment a failing grade in the course. Continued enrollment in this course affirms a student's acceptance of this University policy.

An instructor may include in the course syllabus additional information about academic integrity if he or she wishes to do so.

#### **4. Academic Misconduct File and Assistance with Notice to Students**

All documentation relevant to a student's academic misconduct will be maintained in the Office of the Vice President for Academic Affairs in a digital form. Academic misconduct files shall only be used in accordance with University FERPA policy.

If the student makes a formal appeal, it will be decided in accordance with the procedures set forth below. If the matter is appealed to the Academic Integrity Council, the VPAA (or designee) will forward all forms and other materials associated with the specific violation and a summary of other Academic Integrity violations committed by the student to the Chair of the Academic Integrity Council to be disseminated to members of the Council.

Students may not drop a class until the allegation of the academic integrity violation has been resolved. If the allegation is confirmed, the instructor retains the ability to assign a grade for the course, consistent with the criteria below, if the student decides to drop the class after completion of the process.

#### **5. Notification of Charge of Academic Misconduct to Student**

All forms used in the process will be located on SAU Academic Integrity web page and will be sent via SAU email. All forms will be copied to the instructor and to the student to keep them informed of the process. A copy will be sent to the appropriate dean of the college in which the alleged misconduct occurred.

When an instructor determines that a student has engaged in academic misconduct, the instructor may take one of two actions: 1) the instructor may complete the web-based academic integrity violation form; or 2) the instructor may choose to meet informally with the student to discuss the alleged academic misconduct and then decide, on the basis of that meeting, whether or not to complete and submit the web-based academic integrity violation form. The form is found on SAU's Academic Integrity webpage. This form will notify the student, Dean, and the VPAA of the allegation through the student's SAU email account. The notice will include the justification for the allegation. Once the form has been received, the Office of the VPAA will inform the Dean as to whether the student has been found responsible for any previous violations of the Academic Integrity Policy and at what level.

*NOTE: Faculty members should not penalize a student for acts of academic misconduct unless an academic integrity violation form has been completed and the process described in this section has been followed. To do otherwise would deprive students of their due process right to appeal any actions taken against them.*

#### **6. Meeting with the Dean**

The student will have three days (excluding weekends and holidays) to make contact with the appropriate academic Dean and schedule a meeting. (Should the student fail to make

contact with the Dean within the prescribed time, the Dean's decision as to violation level and sanction will be final.) Once contacted, the Dean should ensure that the meeting take place within seven (7) **calendar** days of the student's receipt of the initial notification email. If the Dean is unable to schedule a meeting within seven days, he or she may ask an assistant dean, an associate dean, or the Provost to serve in his or her place. At the meeting, the Dean will inform the student of the violation level associated with the alleged academic misconduct and provide the student with a copy of the entire Academic Integrity Policy, pointing out the relevant sanctions. The Dean will then inform the student that he or she has seven (7) **calendar** days to submit an appeal. If the student does not submit an appeal within seven calendar days, the Dean's decision as to violation level and sanction will be final. At the end of the meeting, the Dean must fill out (within 24 hours) the associated form including the sanction value of the violation. This form should be send to the student, the instructor, and the VPAA.

## **7. Appeal Process**

A student may appeal the charge of academic misconduct and/or the proposed violation level through the procedures set forth below.

### **a. Appeals at the College Level**

- i. Within seven (7) **calendar** days of receipt of the appeal, the Dean will review all materials submitted by the student and VPAA and, if necessary, meet with the student to attempt to resolve the matter. Online students may speak with the Dean via electronic telecommunications. After the meeting with the student, the Dean will render a decision on the appeal and fill out the online form within 24 hours. The instructor, student, and Office of the VPAA will be informed of the Dean's decision.
- ii. If the student is not satisfied with the action of the Dean, the student can appeal the decision of the Dean to the University Academic Integrity Council.
- iii. If the instructor is not satisfied with the action of the Dean, the faculty member may also appeal the decision to the University Academic Integrity Council.

### **b. Appeals to the University Academic Integrity Council**

- i. Within seven (7) **calendar** days of receipt of the notice of the College/Dean appeal decision, the student or instructor may appeal to the Academic Integrity Council. The party filing the appeal will use the appropriate form found on SAU's Academic Integrity Council web page. Upon receiving this form, the VPAA will forward all forms and other materials associated with the specific count and a summary of other Academic Integrity violations committed by the student to the Chair of the Academic Integrity Council and that material will be disseminated to all members of the Council.
- ii. Within seven (7) **calendar** days of receipt of the appeal, the Academic Integrity Council will consider the appeal with at least three members of the Council being present. The decision of the Academic Integrity Council will be forwarded (within 24 hours) to the student, the instructor, the Dean, and the Provost/VPAA via the web based form.
- iii. The Provost/VPAA will review all decisions recommending suspension or expulsion.

### **c. Final Notification To Student and Instructor**

Once the process is complete, the student, the instructor, the Dean, the Chair of the Academic Integrity Council, and the Registrar will receive information from the VPAA of the final disposition of the case, including the violation level and sanction points if the student is guilty.

## **8. Violation Levels**

The following violation levels are assigned to specific types of violations of the University's Academic Integrity Policy; if a violation occurs which is not specifically provided below, then any sanctions will be based on the most similar type of violation that exists in the rubric. A violation will be considered as a single violation up until the point that a student receives notice of that violation; additional infractions occurring after that point will be considered separately for purposes of this rubric. If assignment of a sanction requires the Academic Integrity Council to interpret the sanction rubric, the Academic Integrity Council shall provide a rationale for its determination and application of the particular sanction(s). General guidance on substantial issues of interpretation of the sanction rubric shall be provided by the Provost/Vice President for Academic Affairs.

A student receives the assigned number of sanction points for each violation for which he/she is found responsible. **Sanction points are cumulative over the length of the student's matriculation at Southern Arkansas University. Graduate students will be considered new matriculates.**

The violation levels are as follows:

### **a. Level Zero Violation – 0.0 sanction point**

- i. For plagiarism/copying in work done for a course, if the plagiarized/copied material constitutes less than 10% of the assignment in the judgment of the Dean (first offense only).
- ii. Unauthorized collaboration on homework assignments constituting less than 10% of the assignment in the judgment of the Dean (first offense only).
- iii. Use of any materials or resources that are not authorized by the instructor in completing any assignment having a value of less than 10% of the assignment in the judgment of the Dean (first offense only).

### **b. Level One Violation – 1.0 sanction point for each violation**

- i. Copying from or viewing another student's work during an examination.
- ii. Using any materials or resources that are not authorized by the instructor for use during an examination or in completing any assignment having a value equal to or greater than 10% of the assignment in the judgment of the Dean, or a second offense.
- iii. Collaborating during an examination with any other person by giving or receiving information without specific permission of the instructor.
- iv. Facilitating or aiding in any act of academic dishonesty.
- v. Collaborating on laboratory work, or other assigned work when instructed to work independently.

- vi. Submitting, without specific permission of the instructor, work that has been previously offered by the same student for credit in another course.
  - vii. Falsification of attendance and/or participation.
  - viii. Submitting as one's own any theme, report, term paper, essay, computer program, speech, painting, drawing, sculpture, or other written or creative work or project of any nature prepared totally or in large measure by another /plagiarizing, in work completed for a class assignment, when that copying/plagiarizing constitutes less than 10% of the assignment in the judgment of the Dean and is a second offense, or when that copying/plagiarizing constitutes 10% or more of the assignment in the judgment of the Dean.
  - ix. Unauthorized collaboration on homework assignments constituting 10% or more of the assignment in the judgment of the Dean, or less than 10% of the assignment on a second offense in the judgment of the Dean.
- c. Level Two Violation - 2.0 sanction points for each violation**
- i. Submitting as one's own any work prepared totally or in large measure by another.
  - ii. Uploading of quizzes, examinations or any other graded materials, with or without answers, to a third-party website.
  - iii. Submitting altered or falsified data (in work completed for a class assignment).
- d. Level Three Violation - 4.0 sanction points for each violation**
- i. Altering grades or official records.
  - ii. Falsifying or signing another person's name on any academically-related University form or document.
  - iii. Buying or selling course work (paying another person to complete exams, assignments, etc. or being paid to do this for another).
  - iv. Sabotaging another student's work.

**Note:** For offenses not specifically mentioned in this rubric, faculty members may confer with the Academic Integrity Council Chair and propose a description of the offense and the level of sanction to be recommended in the faculty member's syllabus. The proposed description and sanctions will be forwarded to the Academic Integrity Council Chair to review the proposed offense and sanction for consistency with existing offenses and sanctions. If a faculty member and Academic Integrity Chair disagree over a particular offense or sanction, the matter may be discussed with the relevant dean and /or the Academic Integrity Council.

**9. Sanctions: The possible university sanctions are as follows:**

**Sanction points for Level 0 = 0.0:** The student will be issued a Letter of Reprimand (first offense only). There will be no grade sanction for a Level Zero offense.

Student must attend the Academic Integrity Course.

**Sanction points for Level 1= 1.0:** For work for a course, the instructor will give the test or an assignment an immediate zero (0) which will then be averaged into the course grade. If that involves missing a stated deadline, the stated late penalty will apply. Student must take the Academic Integrity Course.

**Sanction points for Level 2= 2.0:** The student will receive a course grade of XF for work done for a course. A 2.0 offense will result in academic integrity suspension for one semester.

**Sanction points for Level 3= 4.0 or more:** The student will be immediately and permanently expelled. An XF will be given for the course(s).

#### **10. Opportunity and Removal for the “X”**

After two semesters of acceptable performance at the University following the imposition of a penalty, with no student conduct or academic dishonesty infractions, the student may request grade forgiveness by VPAA.

To remove the X on the transcript, the student may request that the X be removed by submitting a written petition to the Provost/Vice President for Academic Affairs. This written petition must provide evidence that the student now understands ethical standards (e.g. GPA following the infraction; lack of subsequent infractions [academic and conduct]; proactive activities that the student has engaged in to learn about appropriate techniques for citation, etc.), The X will still be counted if future infractions occur.

#### **11. Degrees, Honors & Awards**

The University reserves the right to withhold or withdraw degrees, honors, or awards due to violations of the Academic Integrity Policy.

#### **12. Suspension and Expulsion**

Suspension involves withdrawal of enrollment privileges for a specified period of time and ordinarily carries with it conditions which must be met for re-enrollment. Suspended students are not permitted to live or board in University facilities or approved student organization housing (i.e., facilities owned by the University and leased to a student organization). Students suspended may not receive credit for University work completed by correspondence or in residence at another university without prior permission from the Provost or designee. Records of suspension are maintained indefinitely.

Expulsion is a permanent dismissal from the University. These records are maintained indefinitely.

Expulsion from Southern Arkansas University for academic dishonesty will be permanently noted on the student’s transcript.

Note: The Academic Integrity Policy of the University of Arkansas was a source for the update of this policy.

#### **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 social security card presented at the time of the request to the registrar. **Students whose addresses or telephone numbers change** should report the changes by logging into *Campus Connect*, click *Student Information > Demographics* and click on the link provided, or visit the *Office of the Registrar*.

### Student Conduct

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, Hallways Handbook, and other official University publications, or which may be announced by other means.

### Tuition and Fees: Financial Aid and Assistantships

#### Costs and Finances

Since Southern Arkansas University is supported by legislative appropriations, the tuition and fees, which the student pays, constitute less than 40 percent of the actual cost of one's education. Tuition and 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, check, 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

Graduate Students residing in the following counties qualify for the contiguous county waiver effective summer 2017.

1. North Louisiana: Caddo, Bossier, Webster, Claiborne, Union, Morehouse, Carroll
2. Texas: Cass, Bowie

Out-of-state tuition for students living in Louisiana, Oklahoma, Mississippi, Missouri, Tennessee, and Texas and for children of SAU graduates living anywhere is waived when these students choose to live in University housing.

#### 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  
Mississippi: Coahoma or Tunica  
Missouri: Barry, Dunklin, McDonald, Oregon, Ozark, Pemiscot, Ripley, or Taney  
Oklahoma: Delaware, LeFlore, McCurtain, or Sequoyah  
Tennessee: Dyer, Shelby, or Tipton  
Texas: Bowie

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). Subsequently the University will waive the mandatory fees associated with the class.

#### 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 percent refundable until classes have been in session two days, after which the refund decreases 20 percent 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.

#### Financial Aid

Graduate students are eligible to apply for the unsubsidized federal direct student loan with funds being provided by the U.S. Department of Education. A student must be enrolled in a minimum of 6 hours and degree seeking to be considered for the loan. All graduate students who need financial assistance to attend Southern Arkansas University should contact the University’s Office of Financial Aid (located in Nelson Hall) between January 1 and June 1 of each year. Eligibility for federal aid programs is determined through the filing of the “Free Application for Federal Student Aid” (FAFSA) need analysis. Students may be considered for one or more of the following types of aid:

**Federal Direct Student Loans:** The Federal Stafford Loan program is a need-based subsidized loan program with funds being provided by the U.S. Department of Education



and guaranteed by federal law. SAU must certify a demonstrated financial need by using federal guidelines. Unsubsidized Direct Loans are available, and the family contribution is not considered when determining eligibility.

#### Vocational Rehabilitation

Persons who have a substantial handicap to employment as a result of permanent disability may receive, at no cost to themselves, vocational counseling and some financial assistance toward the cost of their college training when their vocational objectives are approved by an Arkansas vocational rehabilitation counselor.

#### Graduate Assistantships

Graduate assistantships are limited in number and are awarded on a competitive basis, subject to criteria such as grade point average, test scores, skills offered by the applicant, needs of the college or department, and order in which the assistantship application was received. When awarding assistantships, priority will be given to graduate students who do not hold a 40 hr. per week position.

To be eligible for a graduate assistantship, a graduate student must complete the following procedures:

- A. Complete an application for an assistantship, available from the School of Graduate Studies website [www.saumag.edu/graduate](http://www.saumag.edu/graduate), which describes previous training and experience supported by at least three references. The applicant may indicate an area of preferred placement on the application. The deadlines to apply for an assistantship: July 1<sup>st</sup> for fall, December 1<sup>st</sup> for spring, and May 1<sup>st</sup> for summer.

The application for an assistantship must be submitted to the School of Graduate Studies, who will verify that the student has met all criteria established below and forward the application to the department/director granting the assistantship. **Applicants who visit campus offices (other than the School of Graduate Studies) requesting a position may not be considered for an assistantship.**

- B. Be fully admitted to a degree or licensure program in the School of Graduate Studies at SAU.
- C. Enroll in a minimum of **six** and a maximum of **nine** hours of graduate work (three/six per summer session). A student enrolled in either of the two plan of study options in the Online M.S. in Kinesiology – Coaching Program shall meet the requirement for minimum enrollment for a graduate assistantship as long as they are enrolled in the courses required by the set curriculum. If the student's enrollment drops below six hours (three hours each summer session), any unused portion of the assistantship and all fee reductions must be forfeited. The effective date for forfeiting unused portions of the assistantship will be the date in which the student withdraws from a course and thus falls below the minimum course load requirement. Please keep in mind that graduate students must be enrolled in nine hours to be officially considered full-time according to the Arkansas Department of Higher Education definition.

- D. Meet criteria established by the department/director offering the assistantship. Each department/director establishes the minimum competencies required for the assistantship in that area.
- E. Be available to work 20 hours/week in assigned duties.  
(Including holiday weeks)
  - 15 weeks for the fall and spring semesters (total of 300 hours per semester)
  - 5 weeks each summer session (total of 100 hours per semester)
- F. Maintain academic standards:
  - Have a grade point of at least 3.00 on all graduate coursework.
  - Have no grade of C or lower in a graduate course.

**A graduate assistant failing to uphold these academic standards forfeits the graduate assistantship and will not be eligible to re-apply.** Any exceptions to this policy require written approval of the College Dean or Program Director and the Vice President for Academic Affairs, with justification forwarded to the Graduate Dean for a decision on the request. Any final appeal may be made to the VPAA.

#### **Graduate Assistant Compensation and Responsibilities**

- I. Tuition  
Students who reside outside of Arkansas can complete the *Graduate Assistant Waiver of Non-Resident Tuition* to waive the out-of-state fee. If you wish to pay tuition and fees out of your stipend, please visit student accounts prior to the payment deadline to set up a payment plan.
- II. Stipend  
During the fall and spring semesters, students will receive four paychecks of \$1,000 each for a total of \$4,000 per semester. During summer terms, students will receive one paycheck of \$1,320 per semester.
- III. Timesheets  
It is the responsibility of the graduate assistant to submit timesheets to the **School of Graduate Studies** by 5 p.m. on the day they are due. Failure to follow this procedure repeatedly will cause a delay in receiving a paycheck.
- IV. Evaluations  
The supervisor and the graduate assistant should meet at the end of each month to complete an evaluation. Completed evaluations should be submitted to the graduate office.
- V. Renewal Process  
It is the responsibility of the graduate assistant to request renewal of a semester or summer session contract, if desired. To be considered for renewal, the graduate assistant must:

- A. Have a grade point average of at least 3.00 on all graduate hours taken.
- B. Have no grade of *C* or lower in a graduate course.
- C. Enroll in a minimum of **six** and maximum of **nine** hours of graduate work (three/six per summer session).
- D. Satisfactory ratings (average score of 3) for all evaluations received the previous semester.

**Students may hold an assistantship for a maximum of two years.**

A graduate assistant who fails to uphold the guidelines will be required to report to the graduate dean. If problems persist, Southern Arkansas University reserves the right to terminate the contract.

#### Ann Keese Thomas Graduate Scholarship

Two graduate scholarships are available based on a competitive basis to students **who are not receiving graduate assistant funding** and meet the following criteria:

1. Completed application.
2. Unconditional admission to graduate studies.
3. Completed at least 12 hours of graduate coursework.
4. Grade point average of 3.50 or higher in all graduate work, with no *C* grade included in work.
5. Two letters of recommendation from faculty in higher education.
6. Applicant must be an in-state resident.

**Deadline: May 31st**

**Conditions which apply:**

1. Must maintain a 3.50 grade point average with no grade lower than a *B*.
2. Must be continuously enrolled for the 12-month period.
3. May reapply for one additional year.

### 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, disability support services, health services, student employment, career planning, multicultural services, student activities, Upward Bound, student support services, communications center, international students, talent search, ADAPT, student life and University Police Department. 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.

### New Student Orientation

New student orientation, “Becoming A Mulerider” (BAM), occurs in two phases. Phase I will take place on selected dates during the summer. The orientation sessions will include registration and general information needed to begin a student’s college career. Mulerider Round-Up occurs the Sunday through Tuesday prior to the first day of fall semester classes. Sunday, Monday and Tuesday focus on the incoming SAU students with mini courses in diversity, safety, student activities, and computers where students receive their e-mail address. Mulerider Round-Up occurs 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

SAU has men’s, women’s and co-ed residence halls as well as the University Village and University Court Apartments. Students should contact the Office of Housing for information by calling (870) 235-4047.

### 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 University Housing.

### Residence Halls

**Arkansas Hall** is a new freshman-only residence hall that was opened in August of 2019 and provides 128 bed spaces for men and women. This residence hall is the home of freshmen who have a 19 or higher on the ACT or a 3.00 or higher GPA. Arkansas houses SAU’s Leadership College that focuses on the students’ academic and personal success through leadership development. Arkansas Hall has kitchenettes on every floor, along with several semi-private bathrooms that give extra privacy to our residents.

**Burns-Harsh Hall** is a new freshman-only residence hall that was opened in August 2017 providing 92 rooms for men and women. This one level, completely air-conditioned hall has a study, classroom and kitchenette. The Living Learning Community associated with Burns-Harsh Hall is Leadership College.

**Bussey Hall** is a three-story facility, is air-conditioned and provides 100 rooms for women. Television room and computer labs are located in the main lobby. Each floor has two laundry rooms, two bathrooms with showers and tubs, and carpeted hallways. The Residential Interest Group housed in Bussey is First Year Experience.

**Columbia Hall** is a new freshman-only residence hall that was opened in August of 2016 and provides 128 rooms for men and women. This residence hall is the home of freshmen who have a 22 or higher on the ACT or a 3.25 or higher GPA. Columbia houses SAU's Residential College that focuses on the students' academic and personal success through leadership development and service learning. Columbia Hall has kitchenettes on every floor, along with several semi-private bathrooms that give extra privacy to our residents.

**Eichenberger Hall** is a new residence hall opened in August 2017 and provides 50 rooms for men and women. Eichenberger Hall is the place for students whose academic focus is science and engineering. The Living Learning Communities that are associated with Eichenberger Hall are Tomorrow's Engineers and Life Support. Amenities include study rooms, classrooms and kitchenettes.

**Fincher Hall** provides 45 suite-style rooms for men and women of the Mulerider Band. The hall has a computer lab, classroom, commons on the first floor, and lounges on each floor.

**Greene Hall** provides 105 rooms for men and women. The hall has a computer lab, vending, and laundry room. Bathrooms are located on each floor. Residential Interest Groups living in Greene include Greene Light Art, First Year Experience, and baseball.

**Harrod Hall**, providing 99 rooms for men and women, has a glassed-in lobby that faces a covered outdoor entertainment area. A TV lounge and vending area is located on the first floor. Each floor has a laundry room, bathrooms. The Artistic Attitude residential interest group is housed in Harrod.

**Honors Hall**, located at the north end of the campus, provides 92 rooms for men and women. The completely air-conditioned hall has a computer lab, classroom, and commons on the first floor and lounges on each floor. Each room is equipped with lavatories, study desks, closets, and chest of drawers. Honors North has suite-style room arrangement and houses the Honors College. Honors South houses the video gaming interest group.

**Magnolia Hall** is a new residence hall that was opened in October 2016 providing 128 bed spaces for men and women. This residence hall is the home of upperclassmen with 30 or more credit hours. The Living Learning Communities that are associated with Magnolia Hall are SOAR, Outdoor Sports and Recreation, and Studiers Unite. Magnolia Hall has kitchenettes on every floor along with several semi-private bathrooms that give extra privacy to our residents.

**Mulerider Pointe Apartments** are available to juniors, seniors, and graduate students. Mulerider Pointe Apartments has 16 two-bedroom and 8 one-bedroom apartments. Each apartment has fully furnished bedrooms, living room, and kitchen. Each bedroom contains two twin size beds, a chest of drawers, and a closet. The kitchen features an electric range/oven, dishwasher, and refrigerator. A laundry room and swimming pool are located on the grounds.

**Talbot Hall** provides 96 rooms for men. Computer lab, vending and laundry room surround the main lobby. The three-story building is completely air-conditioned. Bathrooms and small lounges are located on each floor. Talbot Hall houses the football team, Health and Fitness as well as First Year Experience.

**Talley Hall** is a three-story building, is completely air-conditioned, and provides 96 rooms for men and women. Computer lab, vending, and laundry room surround the main lobby. Bathrooms are located on each floor. Talley is home to the Agriculture, Education, and the Agriculture Business interest groups.

**University Hall** offers two bedroom, suite-style units. Each unit is complete with wall-to-wall furnishings with living room, bathroom and kitchenette accommodations. Additional lifestyle accommodations as a part of the University Village complex include Panda Express, a clubhouse, pool, laundry facility, student lounge, computer lab, and meeting areas. University Hall houses the Helping Hands, SOAR, and RCBiz residential interest groups.

**University Village Apartments** are available to juniors, seniors, graduate students, students who are single parents, and married students. University Village has 36 two-bedroom, one-bath and 48 four-bedroom, two-bath apartments. Each apartment has fully furnished bedrooms, living room, and kitchen. Each bedroom has a full-size bed, study desk and chair, chest of drawers, and closet. The kitchen features an electric range/oven, microwave, dishwasher, and refrigerator. The Village Clubhouse provides a laundry room, student lounge, and swimming pool.

**University Court Apartments** are available to SAU students with families, i.e., single parents or married couples with children. There are 18 furnished two-bedroom, one bath family units available year-round. The laundry room is in a common area.

## University Services

### **University Health Service**

The University Health Service is open Monday through Friday from 7:30 a.m. to 5 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.

### **Student Support Services**

Student Support Services is a federally funded program designed to assist qualified students in completing their post-secondary educational goals. The Student Support Services project provides assistance and support tailored to the individual needs of each participant. Academic counseling, improvement of study skills, tutoring, and improvement of basic skills are emphasized. Interested students should contact the Student Support Service staff at (870) 235-5113.

### **Tutoring Center**

Free tutorial services are offered in the Academic Enrichment Center (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 from 9:00 am to 5:00 pm Monday through Thursday and 9:00 am to noon on Friday. The center is located on the first floor of Magale Library. Online tutoring is available 24/7 and can be accessed through Blackboard. For additional information contact the Academic Enrichment Center at (870) 235-4385.

### **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 Sunday through Friday during the fall and spring semesters and is located downstairs in the Magale Library. For more information contact the SAU Writing Center at (870) 235-4381, or visit the website at [www.saumag.edu/writingcenter](http://www.saumag.edu/writingcenter).

### **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 more than 60 student organizations that sponsor activities and functions. Eligibility for membership in organizations is based on interest and, in some cases, academic achievement and invitation. 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.

### **Publications**

The University has one student publication produced entirely by students. *The Bray* is the campus news source and is published online with one printed edition each fall and spring. This publication offers students opportunities for professional practice and some paying jobs. All students are eligible to apply for positions on the staff of *The Bray*.

*The Mulerider*, SAU's yearbook, is a publication produced by University Communications and Marketing. The yearbook serves as a historic record of each year's events. It includes event photos, student, faculty and staff photos, as well as stories about the people and things that defined the school year.

*The Stater* is the University's magazine for alumni and friends. Published twice each year, the magazine is distributed to more than 20,000 people around the world. It includes special interest stories, University news, student and faculty spotlights, and class news. Content from *The Stater* may also be found online at [www.saustater.com](http://www.saustater.com).

### **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 the Donald W. Reynolds Campus and Community 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 Great American Conference in baseball, basketball, cross-country, football, golf, tennis, and track and field.

Women students also compete in the NCAA Division II Great American Conference and have varsity teams in basketball, cross-country, softball, tennis, track and field, volleyball, and golf.

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 the newly developed Club Sports Program for those who have interests in particular areas.

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 allows them to gain hands-on experience in officiating and in organizing several team and individualized sports. The program works hand-in-hand with the Mulerider Activities Center (MAC) to develop a student's interests.

#### **Counseling Center**

The Southern Arkansas University Counseling Center plays an active role in promoting student wellness, responsible decision making, and the destigmatization of mental health conditions by providing education and clinical services within the SAU community. Each counselor is a licensed mental health provider in the state of Arkansas.

Actively collaboration in counseling enhances the opportunities of individuals to accomplish their goals and improve overall satisfaction with life. These services are free, confidential and available year round for all students, faculty, and staff. The Counseling Center offers individual and group sessions, as well as workshops and psychoeducational programs. Areas of focus may include: personal, emotional, relational or academic concerns.

Individuals are seen primarily by appointment; however walk-ins may be available. Individuals in crisis are seen as soon as possible. The Counseling Center is located in Reynolds Center, Suite 218 and may be reached at (870) 235-4911. For weekend and after hours emergencies, please call 911 or University Police at (870) 235-4100.

#### **The Office of Testing and Disability Services**

The SAU Office of Testing and Disability Services is a national testing center, which administers tests for scholarships, credit by examination, graduate and professional schools, and teacher certification.

The Testing Center administers the following computer-based tests: ACCUPLACER, CLEP, Comprehensive Preparation Exam (CPCE), DSST, Miller Analogy (MAT), PRAXIS, PSI tests, TEAS, and TOEFL. The center also administers the ACT on all national dates as well as the ACT Residual.

In addition, the center proctors on line exams for the institution and other universities.

The Testing Center is located in Donald W. Reynolds Campus and Community Center, room 216, and may be reached by calling (870) 235-4145.

#### **Disability Support Services**

It is the policy of SAU to accommodate students with disabilities, including, but not limited to, physical, sensory, learning, psychiatric and medical disabilities, pursuant to federal and state laws. Academic adjustments and auxiliary aids are provided to students with disabilities. If assistance is needed because of a disability, contact the Office of Disability Support Services, at (870) 235-4145. Early contact with the office will provide for a smoother transition in obtaining services.

#### **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 Testing and Disability Services  
100 E. University  
MSC 9371  
Magnolia, AR 71753  
(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.

#### **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) 235-4925 or contacting the Office of Student Activities in the Reynolds Center.

#### **Office of Multicultural Student Services**

Southern Arkansas University is committed to providing opportunities for students 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 associate dean in the Office of Multicultural Services and Diversity or call (870) 235-4046.

#### **Career Services**

SAU students and alumni are assisted in their job searches by Career Services. Students visiting Career Services receive assistance with the preparation of résumés and employment application cover letters. Job interviews are scheduled for seniors, and notices of job opportunities are posted on campus bulletin boards and on the Career Services' website.

During the spring semester, the Career Services sponsors a general career day with businesses, industries, government agencies, and graduate schools; and an education fair with area school districts.

Career Services is located in Donald W. Reynolds Campus and Community Center, room 202, and may be reached by calling (870) 235-4097.

#### **Career Counseling**

The SAU career planning program is designed to help students identify traits, pinpoint interests related and clarify values related to their interests and career goals. Vocational assessments, self-administered and/or computer-based assist in discovering possible career paths.

#### **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 by purchasing 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.

A written verification of illness is issued at the nurse's discretion.

### 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 social security card presented at the time of the request to the registrar. **Students whose addresses or telephone numbers change** should report the changes by logging into *Campus Connect*, click *Student Information > Demographics* and click on the link provided, or visit the Office of the Registrar.

## Graduate Course Descriptions

### Accounting (ACCT)

**ACCT 6003. Accounting for Decision Making.** Prerequisites: ACCT 2003 and ACCT 2103. The application of accounting to firms in manufacturing, retailing, and service industries. The course emphasizes using accounting information to make management decisions and includes analyzing financial statements, cost analysis, budgeting, and capital investment decisions. This course also covers corporate governance, accountability, and ethical decision making. Fall, Spring, Summer.

**ACCT 6063. Special Topics in Accounting.** Prerequisites: Admission to the MBA program, ACCT 2003, ACCT 2103 and ACCT 6003. A course introducing graduate students to timely accounting topics that can enhance their jobs or professional development. This course includes readings, cases and research on current issues in accounting. As needed.

**ACCT 6073. Special Topics in Accounting.** Prerequisites: Admission to the MBA program, ACCT 2003, ACCT 2103 and ACCT 6003. A course introducing graduate students to timely accounting topics that can enhance their jobs or professional development. This course includes readings, cases and research on current issues in accounting. As needed.

**ACCT 6983. Field Experience in Accounting.** Prerequisite: Graduate standing and approval of the MBA director and appropriate faculty member. A structured field experience relevant to accounting. Field experience is designed to provide a representative and meaningful learning experience for the participating student. As needed.

### Agri-Business (AGBS)

**AGBS 6003 Agricultural Markets/Prices.** Prerequisite: ECON 2103. Provides an overview of microeconomic theory and relevant applications used in the business decision-making process. As needed.

**AGBS 6013 International Trade of Agricultural Products.** This course examines trade theories such as Ricardian Comparative Advantage and the Heckscher-Ohlin Theorem, as well as open and protectionist trade policies and their welfare implications. Global integration is discussed in detail using case studies to apply the theories and test their applicability. As needed.

**AGBS 6023 Agricultural Policies.** This course exposes students to economic analysis and welfare implications of domestic and international policies affecting agriculture, agri-business, and rural economics. Policy alternatives aimed at solving economic and environmental problems of the food and agricultural sector are identified and evaluated. As needed.

**AGBS 6033 Management of Agriculture Production.** Prerequisites: AGEC 3043 or equivalent; ACCT 2103 or equivalent. This course applies managerial concepts, procedures and techniques, as well as economic theory to successful operations of farms and ranches. Students develop enhanced skills to combine and manage land, labor, and capital resources for an optimal return as well as techniques of planning, organizing,

staffing, directing, and controlling functions of management as they relate to the farms and ranches. As needed.

#### Agriculture (AGRI)

**AGRI 6063. Advanced Leadership for Agricultural Professionals.** Concepts and practices in planning and presenting materials to agricultural groups. Includes an in-depth study and application of leadership skills, concepts of community development, dynamics of technological change. Summer.

**AGRI 6083. Professional Development in Agriculture.** Students will select an agriculture facility in Arkansas or another state and study the facility for one semester. They will interview professionals within the facility and spend at least 100 hours job shadowing employee(s). With guidance from a professor of agriculture from SAU, the student will prepare a written report and present his/her final report to the agriculture faculty and other professionals. Spring semester

**AGRI 6123. Philosophy of Agricultural Education.** This course focuses on the historical and philosophical developments in education that brought about education in agriculture. As needed.

**AGRI 6133. Experiential Learning.** This course focuses on theory and practice in facilitating learning from experience in formal, informal, and non-formal settings. As needed.

**AGRI 6143. Adult Education in Agriculture.** This course focuses on the identification of the basic principles which motivate adult learners and the procedures to implement these principles in bringing about changes in adult behavior. As needed.

**AGRI 6153. Leadership of Volunteers.** This course focuses on the dynamics in agricultural education and in the life of the community. As needed.

**AGRI 6163. Practical Experiences for Career Orientation.** A course designed to provide hands-on experience in teaching a career orientation course. The course emphasizes a variety of hands-on and observation techniques required to carry out a career orientation program. Summer semester.

**AGRI 6173. Methods of Organizing and Teaching Career Orientation.** The course will present the 16 USOE career clusters, resources available, and standards required by the State Department of Vocational and Technical Education. Summer semester.

#### Biology (BIOL)

**BIOL 5141. Field Biology Laboratory.** To accompany BIOL 5143.

**BIOL 5143. Field Biology.** Prerequisite: Eight hours of biology. Emphasis will be directed toward field collection and identification of high floral and faunal groups of Arkansas with particular emphasis on local species. Laboratory analysis and preparation of collections will follow fieldwork. As needed.

**BIOL 5151. General Taxonomy Laboratory.** To accompany BIOL 5153.

**BIOL 5153. General Taxonomy.** Prerequisites: Six hours of biology and approval of the instructor. This is an introduction to the procedures, principles, and rules of current taxonomic practice utilizing Arkansas plants and animals. It will provide the necessary background to allow teachers to identify most major groups of organisms inhabiting Arkansas. As needed.

**BIOL 6111. Biological Science for Teachers Laboratory.** To accompany BIOL 6113.

**BIOL 6113. Biological Science for Teachers.** Prerequisite: Eight semester hours of biology. The study of fundamental concepts and practical classroom and laboratory practices in biological sciences. Lecture and lab. As needed.

**BIOL 6173. Biology Workshop.** Prerequisites: Teaching experience and consent of workshop instructor. A course designed for in-service teachers to improve instruction from preschool through grade twelve. Content will change as indicated by developments, problems, and individual needs in the areas of biology, chemistry, science education, geology, or physics. The prefix on 6171-3 will reflect the area of study chosen (BIOL, CHEM, GEOL, PHYS, or SCED). As needed.

**BIOL 6311. The Biology Teaching Laboratory.** To accompany BIOL 6313.

**BIOL 6313. Biology for Teachers.** Prerequisite: Eight hours of biology or the consent of the instructor. This course is a practical approach to techniques and selection of equipment for a biology teaching laboratory. This material is designed to guide the student through a series of investigations in specific biological topics. A balanced consideration of microorganisms, plants, and animals is employed. As needed.

#### Chemistry (CHEM)

**CHEM 6173. Chemistry Workshop: Biochemical Research.** Prerequisites: Teaching experience and consent of workshop instructor. A course designed for in-service teachers to improve instruction from middle school through grade twelve. As needed.

**CHEM 6304. Chemistry for Teachers.** A course in chemistry that demonstrates the fundamental processes of chemistry and provides practical classroom and laboratory exercises. As needed.

#### Counseling and Development (COUN)

**COUN 5333. History and Principles of Vocational Education.** A study of the evolution, development, and administration of vocational programs in the United States and abroad. As needed.

**COUN 6073. Introduction to Play Therapy.** This course is designed to assist those who work with children in understanding the fundamental tenets of play therapy, help participants develop an effective philosophy of and approach to play therapy, increase participants' understanding of child development and behavior as it relates to play therapy, and equip participants with beginning-level play therapy skills. As needed.

**COUN 6083. Research and Program Evaluation.** A course that covers importance of research, critique of research, EBT practices, needs assessment, outcomes measures, evaluation, research methods (qualitative, quantitative, and mixed methods), research design, program evaluation, analysis and use of data, and ethical and cultural relevant strategies of research and program evaluation for counseling and counseling programs.

**COUN 6123. Foundations of School Counseling.** This course will orient students to the SAU School Counseling Program and provide an overview of the school counseling profession. Topics to be covered include but are not limited to: Historical basis for school counseling, ethical standards, state and national required competencies, ASCA Mindsets & Behaviors for Student Success, licensure requirements, professional organization guidelines, standards of preparation, and the role of the professional school counselor.

**COUN 6263. Supervision: Process and Practice.** Theoretical models of supervision are utilized to develop supervisor roles. This course helps counseling professionals who have responsibility for directing personal and professional development of counselors, promoting counselor competency, and developing and implementing counseling service and programs. As needed.

**COUN 6403. Introduction to the Counseling Profession.** An introductory course about principles and practices of counseling. Fall, Spring, Summer.

**COUN 6413. Ethical, Legal and Professional Issues in Counseling.** A survey of contemporary ethical, legal and professional issues inherent to the counseling profession. Fall, Spring semesters.

**COUN 6423. Counseling Theories.** A study of the theory and practice of counseling from various theoretical perspectives. Fall, Spring semesters.

**COUN 6433. Basic Counseling Skills.** This is an introductory course to counseling skills. The course will teach students how to structure a counseling session and provide them with practical skills to use within the session. Fall, Spring semesters

**COUN 6443. Group Counseling.** Prerequisites: COUN 6403, 6413, and 6433. A study of group counseling dynamics such as cohesiveness, group pressures and standards, structural properties of groups and the relation of leadership to group performance. Fall, Spring semesters.

**COUN 6453. Human Development for Helping Professionals.** An overview of major theories and the most current research on human growth and development with application to personal careers and educational development of students, including exceptional, disadvantaged and minority groups. Fall, Spring semesters.

**COUN 6463. Career Counseling: Theory and Practice.** Prerequisites: COUN 6403, 6413, 6423 and 6433. A study of the establishment and delivery of guidance information systems, both in schools and clinics. Career counseling theories, models and tools will be studied. Summer.

**COUN 6473. Counseling in a Diverse Society.** An examination of the social and psychological elements of human behavior with attention to application in diverse cultural settings such as schools, colleges and universities, and community agencies. Participants will be led on a journey of self-exploration that will ultimately lead to a better understanding of themselves and how they relate in cross-cultural situations. Fall, Summer.

**COUN 6483. Assessment Procedures for Counselors.** Prerequisites: COUN 6403, and 6413. An evaluation of standardized tests as they may be used in individual appraisal. Summer.



**COUN 6493. Practicum in Counseling.** Prerequisites: COUN 6403, 6413, 6423, and 6443. This is an applied course consisting of supervised placement within approved field sites in agencies, schools, or colleges/universities. Both site and university supervision is provided throughout the course experience. One hundred (100) hours, including 40 hours in direct service of supervised experience is required in this course, and practicum must meet all accreditation guidelines. Video and/or audio will be used extensively to critique counseling skills and techniques. Fall, Spring, Summer.

**COUN 6503. Case Management and the DSM.** Prerequisites: COUN 6403, 6413, 6423, 6433, 6443, 6453, 6463, and 6483. This course is designed to develop case management skills with both simulated and actual experiences for agency counseling students. These skills will include the development and use of records, IEPs, report writing, case conferences, placement, referrals and follow-up, etc. Spring semester.

**COUN 6513. Clinical Mental Health Counseling Internship I.** Prerequisites: COUN 6403, 6413, 6423, 6433, 6443, 6453, 6463, 6483, and 6493. This is an applied course consisting of placement within an agency or clinic and both site and University supervision through class experiences. Three hundred (300) hours of supervised experience is required in this course. Video and audio will be used extensively to critique counseling skills and techniques. Fall, Spring, Summer.

**COUN 6523. Clinical Mental Health Counseling Internship II.** Prerequisites: COUN 6403, 6413, 6423, 6433, 6443, 6453, 6463, 6483, and 6493. A second semester of internship fulfilling the final three hundred (300) hours of supervision for state licensure. Students will be placed in an agency or clinic setting and receive both site and University supervision. Fall, Spring, Summer.

**COUN 6533. Advanced Counseling Skills and Techniques.** Prerequisites: COUN 6403, 6413, 6423, 6433, and 6443. An advanced course about counseling skills, techniques and models employed by professional counselors to facilitate appropriate change processes in individuals. Spring semester.

**COUN 6543. Substance Abuse Counseling: Theory and Practice.** Prerequisites: COUN 6403, 6413, 6423, 6433, and 6453. This course is designed to provide an introduction to the basic theories and interventions involved in substance abuse counseling. This is an introductory course aimed at fulfilling partial requirements for certification as a substance abuse counselor. Fall semester.

**COUN 6553. Marriage and Family Counseling: Theory and Practice.** Prerequisites: COUN 6403, 6413, 6423, 6433, and 6443. An introductory course outlining key theories, ethics, interventions and issues in marriage and family counseling. Fall semester.

**COUN 6563. Human Sexuality: Concepts, Theory and Practice.** Prerequisites: COUN 6403, 6413, 6423, 6433, and 6453. This course will provide students with an understanding of human sexuality, sexual disorders, and treatment. Summer.

**COUN 6573. Psychopharmacology and the Counseling Profession.** Prerequisites: COUN 6403, 6413, 6423, and 6433. This course will provide students with an introduction to psychotropic drugs and their uses. It will focus on the relationship between counseling and psychiatry in practice. Spring, Summer.

**COUN 6583. Counseling Children and Adolescents.** Prerequisites: COUN 6403, 6413, and 6433. This course is designed to provide students with an overview of counseling children and adolescents, including historical perspectives, the need for age-specific services, developmental issues, current research, special issues in counseling children and adolescents with special needs, etc. Ethical and legal issues specific to working with children and adolescents will be discussed. Students will compare different theoretical approaches to working with children and adolescents. Summer.

**COUN 6613. Vocational and Industrial Career Education I.** “Educators-in-Industry I.” The course is in-service training for teachers and school counselors. Career and job placement information is presented from a reality basis at traditional business and industrial sites. As needed.

**COUN 6623. Vocational and Industrial Career Education II.** “Educators-in-Industry II.” The course is in-service training for teachers and school counselors. Career and job placement information is presented from a reality basis at high-tech industries. As needed.

**COUN 6653. Internship I in Elementary School Counseling.** Prerequisites: COUN 6403, 6413, 6423, 6433, 6483, 6453, 6443, 6463, and 6583. This is an applied course consisting of placement within a school and both site and University supervision through class experiences. Three hundred (300) hours of supervised experience is required in this course. Video and audio will be used extensively to critique counseling skills and techniques. Fall, Spring semesters.

**COUN 6673. Internship II in Elementary School Counseling.** Prerequisites: COUN 6403, 6413, 6423, 6433, 6483, 6453, 6443, 6463, and 6583. This is an applied course consisting of placement within a school and both site and University supervision through class experiences. Three hundred (300) hours of experience is required in this course. Video and audio will be used extensively to critique counseling skills. Fall, Spring semesters.

**COUN 6723. Project in Agency Counseling.** A course designed to provide an in-depth study and critical evaluation of a practice or a program employed in an agency setting with major emphasis on the results obtained when the program or practice is used in an agency. A written report is a requirement of this course. As needed.

**COUN 6753, 6756. Internship: Educational Examiner.** Prerequisites: 45 hours (master’s degree or higher) of approved-level courses including nine hours of special education courses. A semester of full-time internship experience in educational diagnosis and planning with and for children and youth under the supervision of an approved educational examiner educator and practitioner team in an approved setting. As needed.

**COUN 6763 Development and Administration of School Counseling Program.** This course is designed to introduce students to the philosophy of a comprehensive, developmental K-12 school-counseling program and to the national model for school counseling programs. The emphasis will be on school counseling programs as critical components of the education enterprise, the planning and management of such a program, and the skills of school counselors. Summer.

**COUN 6773. Internship II: Educational Examiner.** This practicum requires 120 hours of planned activities in a school or other related setting. Activities include administration, scoring, and reporting results of individual norm-based tests of intellectual functioning and academic achievement and related measures and scales. Practicum II students observe and may participate in a school-based evaluation of Autism. Learning activities are required during the practicum including the development of professional protocols for dual diagnoses, lower-incidence disabilities, and non-native language speakers. Continued school-based activities include observing special education administrators, teachers, and curriculum specialists to prepare for collaboration and inclusion in the role of Educational Diagnostician/Examiner.

**COUN 6803. Internship I in Secondary School Counseling.** Prerequisites: COUN 6403, 6413, 6423, 6433, 6443, 6453, 6463, 6483, and 6583. This is an applied course consisting of placement within a school and both site and University supervision through class experiences. Three hundred (300) hours of supervised experience is required in this course. Video and audio will be used extensively to critique counseling skills and techniques. Fall, Spring semesters.

**COUN 6823. Internship II in Secondary School Counseling.** Prerequisites: COUN 6403, 6413, 6423, 6433, 6443, 6453, 6463, 6483, and 6583. This is an applied course consisting of placement within a school and both site and University supervision through class experiences. Three hundred (300) hours of supervised experience is required in this course. Video and audio will be used extensively to critique counseling skills and techniques. Fall, Spring semesters.

**COUN 6843. Introduction to Student Affairs in Higher Education.** This course is designed to introduce students to the field of student affairs within institutions of higher education. Using a multidisciplinary approach, students will examine the historical, philosophical, sociological, psychological, legal, and cultural foundations of student affairs work. Summer.

**COUN 6853. Student Affairs Theory and Practice.** Prerequisite: COUN 6843. This is a course in college student development theory. Students are provided with a foundation for understanding student development theory and the application of the theory to the practice of student affairs in higher education. Fall semester.

**COUN 6873. Organization and Administration of Student Affairs Services.** This course examines the organization and administration of student services in institutions of higher education. Administrative environment of student services, organizational and management issues of student services, essential skills and competencies for student services managers, commitment to professional education, and future challenges are addressed. A study of organizing and administering student development services for postsecondary institutions. Spring semester.

**COUN 6883. Internship I in College Counseling and Student Affairs.** Prerequisites: COUN 6403, COUN 6413, COUN 6433, COUN 6443, COUN 6473, COUN, 6483, COUN 6493, COUN 6843, and COUN 6853. This is an applied course consisting of supervised field placement within college or university setting. Both site and university supervision is provided throughout the course experience. Three hundred (300) hours of supervised experience is required in this course and internships must meet all accreditation guidelines. Video and audio will be used extensively to critique skill and technique. Fall, Spring, Summer.

**COUN 6893. Internship II in College Counseling and Student Affairs.** Prerequisites: COUN 6403, COUN 6413, COUN 6423, COUN 6433, COUN 6443, COUN 6473, COUN 6483, COUN 6493, COUN 6843, COUN 6853, and COUN 6883. This is the second semester of an applied course consisting of supervised field placement within college or university setting. Both site and university supervision is provided throughout the course experience. Three hundred (300) hours of supervised experience is required in this course, and internships must meet all accreditation guidelines. Video and audio will be used extensively to critique counseling skills and techniques. Fall, Spring, Summer.

**COUN 6911-6. Thesis: Agency Counseling.**

**COUN 6921-6. Thesis: Elementary Counseling and Development.**

**COUN 6931-6. Thesis: Secondary Counseling and Development.**

**COUN 6943. Counseling in Higher Education.** Prerequisites: COUN 6843, 6853. A course focused on the application of counseling knowledge and skills for the counselor and/or student affairs professional with the populations unique to American Higher Education. Included are developmental approaches, guidance programming, individual and group counseling application, substance abuse, suicide, mental health issues, and professional roles.

#### Elementary Education (E ED)

**E ED 5053. Methods and Materials in Early Childhood Education.** A study of needs of four- and five-year-old children and an examination of materials to determine appropriate instructional activities. Students will plan strategies, develop materials, and observe classroom instruction in kindergarten. As needed.

**E ED 5063. Practicum in Early Childhood Education I.** A program of observation and participation in kindergarten with a focus on the individual child. Children will be studied in terms of their individual physical, intellectual, and social needs. Strategies for meeting these needs will be planned, initiated, and evaluated. As needed.

**E ED 5153. Early Childhood Education Curriculum.** Prerequisites: E ED 5053 and 5063. The development of programs for young children based on the principles of child growth and development, learning theory, and community needs. Curricula will be studied, analyzed, and developed in terms of local needs. As needed.

**E ED 5163. Practicum in Early Childhood Education II.** Prerequisites: E ED 5053 and 5063. A program of observation and participation designed to provide for the study of the child as a participant in the social or group process. Teaching strategies will be planned to provide group instruction. Evaluation will be made in terms of the growth of individual children in the group process. As needed.

**E ED 6013. Elementary School Curriculum.** A course designed to explore current and experimental designs of elementary school curricula and instructional procedures, with emphasis on those curricular and instructional aspects which are broader than a single subject area. A research paper is required. Fall, Spring semesters.

**E ED 6023. Project in Elementary Education.** Prerequisites: One three-hour course in research and statistics; six semester hours of graduate work in the major area of study; and approval of a committee composed of the professor teaching the course, the student's advisor, and the dean of graduate studies. A course designed to provide an in-depth study and critical evaluation of an educational idea or practice with major emphasis on the results obtained when the idea or practice is used in a local elementary school setting. A research paper is required. As needed.

**E ED 6043. Seminar in Elementary Education.** A course designed to explore and clarify several current and theoretical designs of elementary school curricula, and to encourage critical evaluation of these principles from the standpoint of logical and empirical evidence. A research paper or project from documented research is required. Spring, Spring, Summer

**E ED 6053. Current Trends in English Language Arts.** A study of approaches, methods, and research of language arts as a communication skill. As needed.

**E ED 6063. Modern Trends and Practices in Social Studies and Economics Curricula in the Elementary Schools.** This course emphasizes the study of current school social studies and economics. Research is done to determine the social and economic understandings and skills needed by successful elementary school teachers. It is also done in regard to social understandings and skills needed for construction of a curriculum to develop citizenship, curricula, and organization and presentation of subject matter and to create school community resources and projects. As needed.

**E ED 6153. Seminar in Early Childhood Education.** This is a directed study of current research, issues, trends, curricular designs, and organizational structures of early childhood education. Emphasis will be given to the practical application of findings to classroom use. As needed.

**E ED 6911-6. Thesis: Elementary Education.**

## Economics (ECON)

**ECON 6003. Managerial Economics.** The course focuses on the analysis of markets with concentrations on cost analysis, determinants of market demand, pricing strategy, market power, implications of government policies, and a collaborative research project using economic analysis. Fall, Spring, Summer.

**ECON 6043. Issues in Environmental Economics.** Cross-Referenced with SE 6043. This course provides an overview of current issues in environmental economics such as environmental protection and policy, tradeoffs, and the global warming debate. As needed.

**ECON 6063. Special Topics in Economics.** Prerequisites: Admission to the MBA program, ECON 2203, ECON 6003. A course introducing graduate students to timely economics topics that can enhance their jobs or professional development. The course includes readings, cases, and research into current issues in economics. As needed.

## Educational Administration and Supervision (EDAS)

**EDAS 6013. School Community Relations.** This course examines the principles underlying the relationships between schools, parents, and other communities and its agencies in order to strengthen student learning. An emphasis is placed on examining how cultivating relationships with diverse community members, partners and other educational stakeholders benefits school improvement and student development. Fall semester.

**EDAS 6023. Supervision of Instruction in Elementary and Secondary Schools.** This course analyzes the school administrator's role in the implementation of high-quality and equitable academic and non-academic student programs in a digital age. An emphasis will be placed on curriculum design, delivery, and assessment of the curriculum at both the elementary and secondary level. Practicum experiences required. Fall, Summer.

**EDAS 6033. Organizational Development and Evaluation.** This course develops the skills required to systematically analyze and plan by making data-driven decisions to foster instructional improvement and organizational change, including collecting and analyzing data to assessing organizational needs, developing improvement plans with related professional development, and the evaluation of progress toward organizational goals. Consultation experiences with local school systems allow for problem solving and the development of improvement strategies. Fall, summer.

**EDAS 6093. The Principalship.** This course is a study of the roles and responsibilities of the principal as leader in the design, development, operation, and evaluation of a school. Emphasis is placed on the principal's roles in curriculum development and assessment, supervision and evaluation of instruction, professional development, and the management of administrative services and school community relations augmented by a series of practicum experiences. Extensive field experiences are arranged pairing students with local school administrators. Fall semester.

**EDAS 6113. School Finance.** This course is an overview of school finance with emphasis on the relationships of economics and local, state, and federal revenues, and state and federal financial regulations and models in relation to financing the educational enterprise. Extensive budgeting and practicum experiences are included. Spring semester.

**EDAS 6123. The Superintendency.** This course provides an in-depth view of the responsibilities of the school superintendent. Field-based applications are used to study the unique roles and responsibilities of the superintendency. The development of skills is emphasized in strategic planning, collaborative decision-making, public information, student activities, community relations, human resource management, instructional leadership, financial management, board relations, school governance, and other areas relevant to the superintendency. Fall semester.

**EDAS 6133. Governance Groups.** This course investigates the various federal, state, and local groups and agencies that significantly influence the conduct of public education. Participants engage in collecting information from a variety of these sources in order to understand current influences, requirements, and constraints placed on local school districts that impact their operations. Summer.

**EDAS 6143. Management of Human Resources.** This course studies the theoretical and legal issues associated with management of human resources in school systems, including the relationship of the individual to the organization, organizational health, staffing, remuneration, personal appraisal, training, contracts and negotiations, and other pertinent laws and regulations. Practicum experiences are arranged with local school systems. Summer.

**EDAS 6153. Practicum in Educational Facilities.** This course is a practicum that examines the roles of the superintendent and school board in developing and implementing the requirements necessary for the construction and maintenance of educational facilities. Participants collaborate with an architect currently engaged in a building project to understand the conduct of needs assessments and planning new facilities, developing educational specifications, selecting and working with an architect, financing and bidding procedures, construction management, school facilities maintenance, and pertinent state law. Fall semester.

**EDAS 6173. Administration and Assessment of Curricular Programs.** This course provides prospective central office administrators and superintendents with the tools necessary to administer the curriculum and instruction functions of a school district. Emphasis is placed on establishing and evaluating systems to audit, design, deliver, assess, and evaluate curriculum, and other instructionally related services and professional development through a series of field-based projects in a school system. Summer.

**EDAS 6183. Educational Leadership Seminar.** This course is designed to introduce the prospective district-level administrator to a broad range of issues at the forefront of current educational decision-making. Special emphasis is placed on analyzing, synthesizing, and critically examining topics that are pertinent to an individual student's plan of study and career goals. Summer.

**EDAS 6193. School Organization and Administration.** This course is an introduction to administrative and organizational theory and its applications to educational institutions. Extensive school-based research is conducted to integrate organizational theory and the actual practice of administration in a school based on standards of administrative dispositions and performance. Spring semester.

**EDAS 6223. Administrative Internship and Project.** This course documents through Live Text technology the successful completion of the electronic written project requirements for those enrolled in a program leading to licensure as a Principal (Building Level) or Curriculum Administrator. The class also includes a internship. The internship experience requires participants to work under this supervision of a licensed and experienced school district administrator and university faculty member to complete a planned series of activities associated with the standards of licensure. These activities provide authentic experiences to prepare students for an initial leadership role in the schools. The specific requirement, related activities and competencies of the internship are found in the Administrative Internship Guide. Fall, spring, summer.

**EDAS 6233. Leadership of Special Programs and Services.** This course is an introduction to the administrative services involved in operating a campus or school district, including human resources, budgeting, purchasing, child nutrition, associated technology and transportation, and facilities management. An emphasis is placed on equity, inclusiveness and cultural responsiveness in the administration of instructional programs for special populations. Spring, summer.

**EDAS 6303. Superintendent Internship & Graduate Project.** The internship provides the prospective superintendent with the opportunity to gain on-the-job experience in the roles and responsibilities of the position under the direction of an experienced, accomplished superintendent. The project documentation will need to be reviewed by a committee to confirm that the intern has indeed passed an oral defense. Fall, spring, summer.

#### Education (EDUC)

**EDUC 5033. Classroom Assessment.** This course shows in-service teachers how to use classroom testing accurately and formatively to increase their teaching effectiveness and make a difference in how well students learn. Teachers will learn clear and concise guidelines on how to develop quality classroom assessments. Particular attention is paid to the implications of testing on teaching and the increasing importance of educational assessment in an era of state standards and teacher evaluations based on students' test scores. Spring.

**EDUC 5043. Educational Measurement.** Prerequisite: S ED 3003 or E ED 3005. An introduction to tests and measurements as applied to education. Includes elementary statistics essential to compiling and interpreting test data. Emphasis is placed on constructing tests and the selection of various standardized tests. As needed.

**EDUC 5203. Strategies for Content Area Reading.** This course prepares in-service teachers in how to use literacy-related instructional strategies to help students think and learn with all kinds of print and digital texts. Emphasis is on the comprehensive content, including an ever-expanding knowledge base in the areas of literacy, cognition and learning, educational policy, new literacies and technologies, and student diversity. Fall.

**EDUC 5273. Classroom and Group Management.** This course presents the basic principles of behavior modification and contingency management, which includes the study of proactive instructional classroom management and the designing and implementation of behavior intervention strategies. Fall, summer.

**EDUC 5706. Science, Math, Reading K-4.** This course is an interdisciplinary approach to learning science, mathematics, and reading. This course stresses the learning of science, mathematics, and reading as an active, integrated, constructive process involving experimentation, investigation, communication, reasoning, and problem solving. As needed.

**EDUC 5901-3 to 5991-3. Workshop in Education.** Cross-referenced with EDUC 4901-3 to 4991-3. The course is for persons participating in college-sponsored workshops. The title will vary with each program. As needed.

**EDUC 6003. Educational Research.** This course is designed to prepare the educator to be a consumer of educational research as well as how to participate as a producer of new knowledge through the research process. Appropriate research principles and methodologies to enhance teaching, student learning, and school improvement will be emphasized. Fall, spring, summer.

**EDUC 6023. Currents Trends in Children/Young Adult Literature.** This course presents an examination of books for preschool through high school children from a topical perspective. Some topics included are family, race, war, gender, and age. Students both read and present materials to the class. Spring semester.



**EDUC 6033. History and Philosophy of Education.** The course investigates the training of the young and its larger meaning—the transmission of culture—in representative recorded civilizations. Spring, summer.

**EDUC 6043. Current Issues and Trends in Education.** This course explores issues and trends in education, which face the region, state, and nation using historical, philosophical, political, multicultural, and other forces as a basis to study how ideas and opinions are shaped. Spring, summer.

**EDUC 6063. Applications of Technology in Education.** This course will address uses of technology to increase productivity, enhance classroom instruction, and facilitate campus activities. Spring semester.

**EDUC 6083. Application of Learning Theories.** This is a study of the principles and problems of learning with consideration of major empirical findings and their theoretical interpretations. Spring, summer.

**EDUC 6093. Collaboration for Inclusion.** This course will focus on the development of multiple strategies to involve families in collaborative relationships that promote the intellectual, social, emotional and physical growth of their children with mild disabilities grades P-12 within the structured learning environment of school. Teacher candidates will participate in collegial activities that sustain productive learning environments, support the well-being of students, and increase awareness of the resources of the larger community environment that influences student learning. Students will demonstrate an in-depth understanding of the interrelationships and interdependencies among the various professionals and activities that constitute the disciplines, content, and processes of early childhood, elementary, middle, secondary, and special education (P-12). As needed.

**EDUC 6103. The Teaching of Reading.** This is a basic course with emphasis on methods and materials for teaching reading. Innovative and experimental procedures will be examined. Contemporary programs and initiatives related to K-12 education will be studied. Fall or summer semesters.

**EDUC 6113. Corrective Reading in the Classroom.** Emphasizes diagnosis and correction of reading difficulties, including dyslexia, within the K-12 educational setting. Planning and evaluating programs for classroom application will be emphasized. Spring semester.

**EDUC 6123. Diagnosis and Correction of Reading Difficulties.** Advance clinical testing and teaching program designed primarily for the reading specialist and other professionals who work with reading disorders such as dyslexia. It will include topics related to assessment, diagnosis, and program planning and evaluation. Fall or summer semesters.

**EDUC 6133. Reading Practicum.** This course is a practicum that examines the roles a reading specialist/interventionist in individual diagnosis, intervention, and program planning related to reading in the K-12 environment. Candidates examine various types and causes of reading difficulties and develop intervention and/or treatment plans in accordance with research-based and state/district mandated criteria for best-practices. This is an applied course consisting of a supervised placement within an approved K-12 school district with site and university supervision provided throughout the course experience. Spring semester.

**EDUC 6143. Seminar in Creative Thinking.** Problems and issues related to the development of creative potential in individuals will be explored, including metacognition, assessing creative potential, and creative problem solving. Teaching strategies and curricular materials related to creativity training will be evaluated. A research paper or project from documented research is required. As needed.

**EDUC 6153. Balanced Literacy.** In order for students to perform successfully, their teachers must demonstrate high level of competence in reading, writing, listening, talking, viewing, and thinking. It is important for teachers to incorporate their learning and research data for curriculum planning, assessment, and classroom management. This course reflects current trends in reading and literacy, is research-based, and addresses standards of the National Council of Teachers of English and The International Reading Association. A variety of instructional strategies will be presented for an integrated and interdisciplinary approach. Fall semester.

**EDUC 6183. Reading Seminar.** This course is based on current issues, research, and effective practices in reading of interest to in-service teachers. Students will integrate their understandings of the knowledge and beliefs about reading, instruction and assessment, and organization of a reading program to create a literate environment that supports reading and writing acquisition. Action research in a variety of topic areas will be conducted. Fall semester.

**EDUC 6213. Curriculum Planning.** This course guides in-service teachers through all of the aspects of developing a curriculum—from the underlying principles and concepts to the roles of school personnel, the components of the process, uses of technology, and current issues that are shaping the field. Includes both traditional and contemporary approaches to give a comprehensive, balanced look at the theories and evidence-based practices demonstrated to be effective instructional leaders.

**EDUC 6253. Foundations of Teacher Leadership.** This course introduces the concepts and lays the foundation for effective teacher leadership. It will examine teacher leadership in the classroom with the purpose of increasing student learning and achievement. The course combines a comprehensive view of teacher leadership with practical and constructive strategies for developing the qualities necessary to be a successful teacher leader. Spring semester.

**EDUC 6403. School Law.** This course is an introduction to the federal and state legal systems and applicable federal and state educational case law. Particular emphasis is placed on the current federal and state laws and regulations governing students, employees, finance, and the administration of programs for special student populations. Fall, spring, summer.

**EDUC 6801-3. Teacher Education Seminars.**

**EDUC 6813. Teacher Education Seminar.**

**EDUC 6823. Education in Public Service Funding.** This course is to encourage grantwriting. Grantwriting can be instrumental in assisting rural areas in developing infrastructures, and thus all the competencies of a collaborative team leader come into the picture. As needed.

**EDUC 6833. Mindtools for Teaching and Learning.** Basic principles of constructivist learning and teaching as they apply to instructional technology will be discussed. Various paradigms of instructional technology including Computer Aided Instruction, Intelligent Tutoring Systems, Logo as Latin, and Computer Assisted Collaborative Learning will be examined as they apply to classrooms today. The use of common computer applications such as databases and spreadsheets as cognitive tools will be explored. Students will learn to integrate mindtool applications into all subject areas to strengthen students' critical, complex, and creative thinking. Teachers/students with varying levels of computer skills will have the opportunity to learn new applications or explore in greater depth applications with which they are already familiar, including spreadsheets, databases, multimedia, Web production, and graphics and animation. Fall, spring, summer.

**EDUC 6843. Internet for Educators.** This course challenges students to develop a personal, professional repertoire of Web-based resources to be integrated into the existing professional practice of the students. Students develop a range of Web-based communication, teaching and learning tools. Projects include the development of a professional website and a collaborative professional project designed by small groups of students. As needed.

**EDUC 6853. Multimedia for Educators.** This course challenges students to develop a personal, professional repertoire of multimedia resources to be integrated into the existing professional practice of the students. Students develop a range of multimedia websites, a video production using non-linear editing, and a collaborative professional project designed by small groups of students. Summer.

**EDUC 6863. Teacher Leadership Capstone.** This course is the capstone experience for the *Master of Education: Instructional Facilitator / Lead Teacher Program*. Candidates will learn to select, categorize, and document their achievements and accomplishments for review and assessment related to the Arkansas Teacher Leader Model Standards. Graduate-level writing skills will be strictly enforced. Fall, spring, summer.

**EDUC 6873. Advanced Curriculum/Program Administrator Leadership Program.** This course engages prospective curriculum directors, content specialists, and program administrators in the investigation of what drives curriculum and program decisions, the application of concepts and principals for sound program design, and the examination of how a focus on standards and learning for understanding influences leadership decisions. The course involves reading, thought, and discuss on educational research, a study of concrete curricular, instructional, and assessment practices for content specialists, program administrators, and curriculum directors. Fall semester.

**EDUC 6901-6903. Workshops.** Prerequisites: Approval of advisor and dean of graduate studies. As needed.

**EDUC 6911-6. Thesis: Reading Education.**

**EDUC 6923. Workshop.**

## English (ENGL)

**ENGL 5013. Second Language Acquisition.** Students will examine current theories in this rapidly changing field with the goal of reaching an understanding of the linguistic, psychological, and cultural factors that influence the language acquisition process. Students will first consider the principles of first-language acquisition and how first-language acquisition differs from acquisition of other languages later in life. A research project is required. As needed.

**ENGL 5023. Second Language Assessment.** Students will develop theoretical and practical foundation in learner-centered and performance-based approaches to assessment. Students will examine a variety of assessment models and be provided with practical experience in developing reading, writing, speaking, and listening assessments. A research project is required. As needed.

**ENGL 5033. TESOL Methods and Materials.** Students will focus on the theoretical and practical aspects of teaching English as a second language. Students will have an opportunity to learn current teaching approaches in ESL, the dimensions of language proficiency, the connections between language and culture, learning strategies, and the pedagogy of teaching oral and written skills. Students will also develop ways to facilitate language learner differences by designing appropriate language tasks and by evaluating teaching materials and texts. A research project is required. As needed.

**ENGL 5783. American Literature Topics.** Various topics in American Literature as chosen by the faculty. Repeatable for credit up to six hours with a different course topic. As needed.

## Finance (FIN)

**FIN 6003. Managerial Finance.** Prerequisites: FIN 3003. To examine and apply the theories, tools, and techniques utilized in the financial management of the firm. An emphasis is placed on developing the financial knowledge and skills necessary to make decisions in a business setting. Fall, Spring semesters.

**FIN 6063. Special Topics in Finance.** Prerequisites: Admission to the MBA program and FIN 3003. A course introducing graduate students to timely finance topics that can enhance their jobs or professional development. The course includes readings, cases, and research into current issues in finance. As needed.

**FIN 6983. Field Experience in Finance.** Prerequisite: Graduate standing and approval of the MBA director and appropriate faculty member. A structured field experience relevant to finance. Field experience is designed to provide a representative and meaningful learning experience for the participating student. As needed.

## Gifted and Talented Education (GATE)

**GATE 5023. Nature and Needs of the Gifted and Talented.** A study of the social, psychological, and cognitive characteristics of gifted and talented children. Methods and techniques of assessment and counseling based on these characteristics are reviewed for identification, placement, and evaluation of performance. The course includes a review of current research related to the social and development of gifted individuals. Issues and topics include vocational concerns, special populations, and the role of self-concept in motivation. Emphasis will be placed on the role of the teacher in meeting the affective needs of the gifted and talented. A research paper from current research is required-portfolio assignment. Summer.

**GATE 5033. Curriculum and Methods of Teaching the Gifted and Talented.** A survey of curricula and instructional methods and materials for teaching the gifted and talented. A substantial curriculum project with related instructional activities based on current research and best practices is required for this course-portfolio assignment. Summer.

**GATE 5073. Survey of Exceptional Individuals.** This course is a general survey of exceptional individuals from grades K-12, and an introduction to gifted education including gifted education history and law, identification, definitions and classification systems, characteristics of all categories of exceptional learners (twice-exceptional and gifted), provision of services, and appropriate educational interventions for high ability learners.

**GATE 6143. Seminar in Creative Thinking.** This course reviews problems and issues related to the identification and development of creative potential in individuals. Personal creativity, along with teaching strategies and curricula materials related to creativity training, will be evaluated. The development of a student independent project lesson plan based on academic content is required for this course-portfolio assignment. Summer.

**GATE 6203. Practicum K-12.** Gifted and Talented. Prerequisite: 12 graduate hours in gifted and talented education or concurrent enrollment. A supervised experience in observation and delivery of educational services and identification procedures in a public school or alternative laboratory settings, programs, or facilities for gifted and talented in K-12 programs. Practicum documentation and a comprehensive examination pertaining to all GT coursework are required-portfolio assignments. Gifted and talented portfolio is assessed during this course. Fall semester.

**GATE 6223. Practicum 7-12, Gifted and Talented.** Prerequisite: 12 graduate hours in gifted and talented education or concurrent enrollment. A supervised experience in observation and delivery of educational services and identification procedures in a public school or alternative laboratory settings, programs, or facilities for gifted and talented in 7-12 programs. Practicum documentation and a comprehensive examination pertaining to all GT coursework are required-portfolio assignments. Gifted and talented portfolio is assessed during this course. Fall semester.

## Geology (GEOL)

**GEOL 5053. Earth Science for Teachers.** This course is an introduction to the major concepts of earth sciences that might be encountered by junior and senior high school teachers. Approximately one quarter of the semester will deal with meteorology, and the remainder of the time will be spent with physical geology and historical geology. As needed.

## Higher, Adult, and Lifelong Education (HALE)

**HALE 6233. Distance Learning Design & Administration.** Provide a study of design and administration of organization structures, policies, and courses of study for the purpose of providing education to distant learners. Summer.

**HALE 6313. Budgeting Foundations of Distance Learning.** Provides an overview of the economics and finance of higher education in the United States with an emphasis on the analysis of financial policies and current issues at the institutional, state, and national levels. Summer

**HALE 6323. Curricular Design & Evaluation in Postsecondary Distance Learning.** Provide a study of instructional design theories and applications needed for distance education course design. Topics include needs analysis, assessment, instructional material design, and evaluation. Summer.

**HALE 6343. Higher, Adult, and Lifelong Learning Education Seminar.** This course is designed to introduce the prospective HALE educational practitioner to a broad range of issues at the forefront of current educational decision-making. Special emphasis is placed on analyzing, synthesizing, and critically examining topics that are pertinent to an individual student's plan of study and career goals. Fall, summer.

**HALE 6353. Foundations of Distance Learning.** Serves as an introduction to distance education. General themes include the historical, theoretical, and philosophical foundations of distance learning, an overview of distance learning technologies, and an examination of effective techniques for teaching and learning with a distance learning system. Spring semester.

**HALE 6363. History & Philosophy of Postsecondary Education.** A study of the historical development of American higher education. The purpose of this course is to review significant changes within the higher education system, focusing on higher educational institutional philosophy, objectives, and functions. The course lays a foundation for understanding higher educational programs, issues, and trends. Fall, summer.

**HALE 6373. HALE Capstone Project.** This course will guide students through the development and successful completion of a written project within the field of HALE. Students will incorporate information obtained throughout the program to create their capstone project. The final product should demonstrate a level of competence on the part of the student and enhance an area of higher, adult, or lifelong education. Fall, spring, summer, as needed.

**HALE 6383. Leadership & Organization Development.** Provides an introduction to the academics of leadership in a postsecondary setting. Student will examine personal attributes for effective leadership styles, prevalent theories of leadership and leadership development, structure of current organizations and future outlooks of organizational leadership. Also, time will be spent examining skills, abilities, values that will best equip leaders of future effective educational settings. Fall semester.

**HALE 6393. Post-Secondary Teaching.** The purpose is to help participants become more effective as instructors in postsecondary education by exploring different conceptions of instruction, characteristics of learners, theories concerning the learning process for adults, instructional design and planning, strategies to encourage active learning, and approaches to assessing learning, improving teaching through assessment and faculty learning and development. Fall semester.

**HALE 6413. Program Planning and Evaluation in Postsecondary Contexts.** Application of learning from core courses in practical ways to provide solutions to real-world problems within an educational setting. Students examine program purposes, outcomes, planning models, transfer of learning models, budget development and evaluation. The culminating project is the development of an educational program related to the student's professional goals. The student is encouraged to take this course toward the end of his/her plan of study. Summer.

**HALE 6423. Special Problems in Adult Education.** Purpose is to provide an opportunity to explore significant works and historical movements in adult education and instructional technology literature to analyze the emergence of adult education in the United States. Provides a broad perspective through selected readings. When possible, the student collects and uses primary information from an adult education/instructional technology setting. As needed.

**HALE 6433. Survey of Adult Learning.** Provides opportunity for developing a better understanding of learning in adulthood, implications knowledge holds for helping adults learn in postsecondary and other educational settings. The course is intended to be of practice use for student interested in teaching and learning in adult and other postsecondary education settings and for students interested in administration and leadership, student affairs and advising, and policy in postsecondary education. Exploration of historical, psychological, and social foundations of adult learning. Spring semester.

**HALE 6443. The College Student.** A foundational examination of student characteristics, demographics, beliefs, and cultural patterns in North American higher education. Major theories are reviewed that will assist the educational leader in developing policy and programs to maximize learning in the collegiate environment. Spring semester.

**HALE 6453. The Community College.** Concerns the philosophy, organization, programs and administration of community college including primary responsibility of instructional leaders. In particular, focus on remedial/developmental education programs, general education, liberal arts transfer curriculum, technical training, and noncredit/contract training programs. Summer.

### History (HIST)

**HIST 5083. History of Arkansas.** A graduate level survey of the state's history from pre-Columbian times to the present. As needed.

**HIST 5383. Advanced Topics in World History.** Advanced topics in world history as chosen by the faculty. Repeatable for credit up to six hours with a different course topic. As needed.

**HIST 5483. Advanced Topics in U.S. History.** Advanced topics in American history as chosen by the faculty. Repeatable for credit up to six hours with a different topic. As needed.

### Information Systems (IS)

**IS 5313. Data Visualization.** Prerequisite: IS 2053. This course is all about data visualization, the art and science of turning data into readable graphics. We'll explore how to design and create data visualizations based on data available and tasks to be achieved. This process includes data modeling, data processing (such as aggregation and filtering), mapping data attributes to graphical attributes, and strategic visual encoding based on known properties of visual perception as well as the task(s) at hand. Students will also learn to evaluate the effectiveness of visualization designs, and think critically about each design decision, such as choice of color and choice of visual encoding. Students will use Tableau as their main tool to visualize data and develop dashboards but will develop transferrable skills which can apply to many of the most popular software packages in the current marketplace.

**IS 6063. Special Topics in IS.** This course focuses on current topics in the area of Information Systems and explores the role of information systems in business with emphasis on the development and management of information systems. The course examines impact of various information technology usage for businesses. The course will require the student to read cases and papers and identify the current and emerging trends in the field of Information Systems. The course will require reading of selected cases and research papers, similar to the master's degree level seminar courses. As needed.

### Instructional Design (ID)

**ID 6023. Instructional Design Theory & Practice.** A study of the instructional development process as it pertains to the design and production of instructional materials which use modern technologies. Goal analysis, objectives, evaluation, instructional strategy development, production of an educational product, and revision of the instructional materials are considered. Fall Semester.

**ID. 6043. Instructional Strategies and Tools.** Students perform intensive examinations of the role of new instructional strategies and their implications for practice. Emphasis is on identification and evaluation of new tools in instructional environments. Establishing and maintaining learning environments, exploring selected theories and concepts, and utilization of new technologies will occur. Spring semester.



**ID. 6063. Issues and Trends in Instructional Design and Technology.** Critical challenges posed as a result of the increasing infusion of technology into the school and training environments are explored. The course prepares students to make and defend policy decisions and become conversant with current trends and issues in the field. Summer.

#### Kinesiology (KINE)

**KINE 6013. Adapted Kinesiology.** A study of adapted kinesiology consisting of a diversified program of developmental activities, games, sports, rhythms, and aquatics suited to interests, capacities, and limitations of students with impairment, disabilities, or handicaps who may or may not be mainstreamed in the elementary and/or secondary physical education programs. As needed.

**KINE 6023. Drug Use and Abuse in Education and Sports.** This course is an examination of the effects of drug use and abuse on society and the individual including the study of drug effects on exercise. As needed.

**KINE 6243. Advanced Exercise Physiology.** This course examines the nature, purpose, and effects of curricular activity with particular reference to the respiratory, circulatory, and nervous systems. It includes an analysis of the results of training, theories of muscle contraction, fatigue, oxygen debt, energy costs, muscle tone, reaction time, and the concept of total fitness. Fall semester.

**KINE 6313. Contemporary Trends and Issues in Kinesiology.** A seminar of individual and group study devoted to critiques of current problems in health, physical education, and recreation. As needed.

**KINE 6323. Sport Administration.** This course examines the policies, procedures, and problems in the administration of sport programs. Topic areas include providing safe facilities, facilitating the social and emotional growth of athletes by supporting a positive sport experience and lifelong participation in physical activity, demonstrating efficiency in contest management, managing human and fiscal resources, facilitating planning, implementation, and documentation of the emergency action plan, fulfilling legal responsibilities and risk management procedures associated with coaching including documentation and record keeping, and utilizing an objective and effective process for evaluation of self and staff. Summer.

**KINE 6331-3, 6361-2, 6381-2. Workshops in Kinesiology and Sports.**

**KINE 6363. Workshop in Kinesiology.** This course will provide the student practical experience in demonstrating ethical conduct in sport programs, providing a positive learning environment that is appropriate for characteristics of the athlete and goals of the programs, plan and implement practice schedule that maximize time on task and available resources, teach and incorporate mental skill to enhance performance, involvement in public relation activities for the sports program, manage fiscal resources, utilize effective and objective process for the evaluation of athletes. Additionally, the student will be introduced to LiveText and complete LiveText training.

**KINE 6413. Health Education in Schools.** A study of the school's role in health education with consideration of the teacher's responsibilities for the health of the school child, screening, referral, instructional programs, emergency care, teacher's health, materials and resources, and community health group interrelations. As needed.

**KINE 6423. Instructional Strategies and Techniques in Coaching.** This course is designed to provide principles and methods of coaching as practical application. The emphasis in the class will include planning, communication, identifying and using motor learning theories and concepts and developing sound reflective coaching practices. Spring semester.

**KINE 6433 Sport Safety and Injury Prevention.** This course focuses on the administrative issues in sports safety within athletics. This course is designed to educate coaches, athletic trainers, and other fitness professionals on sport safety administrative topics such as facility and equipment safety, environmental conditions, injury and illness issues, psychosocial issues, medical records and emergency action plans. Students will be able to understand the policies and procedures used to administrate a safe and successful program. Fall Semester.

**KINE 6513. Principles of Kinesiology.** Study of the origins and nature of modern physical education as a developmental experience and educational medium. Consideration of the contributions of physical education to organic growth and development, to the development of personal resources, and to growth in social relationships. As needed.

**KINE 6523. Scientific Foundations of Kinesiology.** This course is a systematic study of the contributions and integrative possibilities of chemistry, zoology, anatomy, physiology, physics, anthropology, psychology, and other related disciplines to the fields of health, physical education, and recreation. As needed.

**KINE 6713. Curriculum Instruction in Kinesiology.** A course designed to give experienced teachers, supervisors, and administrators opportunities to undertake the planning and development of curriculum materials for practical teaching purposes. As needed.

**KINE 6723. Project in Kinesiology.** Prerequisite: One three-hour course in research and statistics and six semester hours of graduate work in the major area of study. Approval of a committee composed of the professor teaching the course, the student's advisor, and the dean of graduate studies. A study of a specific topic in physical education leading to the solution of a problem of interest to the profession or to the student. A research paper is required. As needed.

**KINE 6813. Psychology of Athletics Coaching.** This is an analysis of basic psychological concepts and principles with special reference to motor performance, learning motor skills, perception, and emotion in sport situations. The study of psychological parameters pertinent to the teaching of physical education and coaching sports will also be covered. Summer.

**KINE 6823. Scientific Analysis of Sports Skills and Motor Learning.** An analysis of various motor activities to determine the scientific basis for correct form in various sports; examination of motor and perceptual abilities, factors of motivation, anxiety, stress, and social conditions as they relate to learning and performing motor skills. Fall Semester.

**KINE 6833. M.S. in Kinesiology – Coaching Capstone Portfolio.** This course will provide for the development of the Capstone portfolio (Coaching Handbook) which is based on the National Standards for Sports Coaches (NSSC) and a requirement for completion of the Online Master of Science in Kinesiology – Coaching program. Students will learn to select and document their achievements and accomplishments for review as related to the eight domains and forty standards of the NSSC. Students will be assessed on their interpretation of the standards, explanation of selected artifacts, instructional context and purpose and writing mechanics.

**KINE 6903. Research Problems in Kinesiology.** This course is a study of current problems in the field of kinesiology. A review of the significant demographic, behavioral, developmental, and technological issues that influence kinesiology programs. As needed.

**KINE 6911-6. Thesis: Kinesiology.**

**KINE 6923. Statistical Methods in Kinesiology.** Competencies for analysis and application of statistical methods used in the administration and interpretation of tests of fitness, skills, and abilities in the HKR field. Spring, Summer.

**KINE 6933. Methods of Research in Kinesiology.** This course is a study of current methods in the field of kinesiology and coaching. A review of research of the significant demographic, behavioral, developmental, and technical issues that influence kinesiology and coaching programs. Summer.

**KINE 6943. Legal Issues in Kinesiology.** A course designed to acquaint the advanced kinesiology major with the legal and ethical parameters related to all fields associated with health, physical education, recreation, sports management and administration, exercise science, and athletic training. Summer.

#### Library Media and Information Specialist (LMIS)

**LMIS 6013. Management and Evaluation of Media Programs.** This course is a study of principles and theories in planning, organizing, and administering information services, including acquisitions, circulation, inventory, grant writing, automated systems, and development of policies and procedures. Online, Summer, even years.

**LMIS 6023. Information Access.** This course is a survey and evaluation of reference and information sources, print and electronic, with emphasis on research process and information literacy. Online, Spring and Summer, even years.

**LMIS 6033. Collection Management and Development.** A study of principles and issues in collection development and management for school librarians with a major focus on collaborative planning, policy making, collection building, and weeding. Summer, even years.

**LMIS 6043. Integration of Library Resources into the Curriculum.** This course is designed to prepare library media specialists to integrate information literacy throughout the curriculum by collaborating with faculty to plan, implement, and assess learning. Students will study principles of teaching and learning that contribute to an active learning environment. Online, Spring and Summer, odd years.

**LMIS 6053. Instructional Design and Production.** An introduction to design, production, and evaluation processes involved in the development of instructional materials for use in P-12 school libraries. Summer, odd years.

**LMIS 6073. Introduction to Librarianship.** This is an introduction to the profession, including its literature, organizations, and objectives. Includes building interpersonal skills, negotiations, asserting influence, and advocacy. Online, Fall, Spring, Summer.

**LMIS 6083. Library Materials for Children and Young Adults.** The course will familiarize the student with the evaluation, selection, and use of educational, informational, recreational, cultural, and literary materials, including books and other media to meet the educational/curricular needs of children and young adults. Emphasis will be on the skills, tools, and insights necessary for effective professional librarianship in the area of services to children and young adults. Online, Spring Semester.

**LMIS 6203. Practicum in K-12 Library Media.** Directed experience in a school library media center. Requires a minimum of 120 clock hours. Online, Fall semester.

### Master of Arts in Teaching (MAT)

**MAT 5003. Strategies for Content Area Reading.** This course will provide education majors with an overview of the instructional strategies for teaching and integrating reading into content areas. Students will develop a conceptual understanding of reading processes and appropriate instructional strategies, which emphasize reading skills necessary for the learning of content area information. Fall, summer.

**MAT 5013. Classroom Assessment.** This course is an introduction to test and measurements as applied to education. It includes simple statistics essential to compiling and interpreting test data. Emphasis is placed on accountability for student achievement and compliance with state and federal regulations. Fall, summer.

**MAT 5023. Survey of Exceptional Individuals.** This course is a general survey of exceptional individuals from birth to 21 years, and an introduction to special education including special education history and law; disability causations; definitions and classifications systems, characteristics of all categories of exceptional learners (disabled and gifted); provision of services and appropriate educational interventions. Fall, spring semesters.

**MAT 5073. Teaching Reading and Writing.** This course presents skills, techniques, and practice in the teaching of reading and writing, as well as methods of diagnosis and correction of reading problems and miscue analysis.

**MAT 5083. Classroom and Group Management.** This is an 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. Fall semester.

**MAT 5203. Emergent Literacy.** Designed to heighten the awareness of the multiple factors involved in the process of becoming literate and promoting 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.

**MAT 5343. STEM Methods for Science and Mathematics.** Designed to give the candidate an awareness of the relationships among various sciences and mathematics. Along with the essential basic knowledge of science and mathematics concepts. Selection and organization of learning activities and materials for the teaching of science and mathematics will also be emphasized.

**MAT 6003. Teaching and learning for Diverse Learners.** This course is an introductory course in the foundations of teacher education. The course will cover the opportunities for employment and membership in professional organizations; social issues involved in schools; the structure of education; legal issues; historical and philosophical foundations; school programs and practices; and teacher performance assessments as evidenced in the TESS Domains. Fall, spring, summer.

**MAT 6013. Methods in Education.** This course is designed to help prospective teachers develop and/or refine the skills necessary to be an effective classroom teacher in grades K-12. Spring, summer.

**MAT 6023. Multimedia for Educators.** This course provides technology-enhanced knowledge, strategies, and resources to support teaching and learning in the K-12 classroom. Students will explore the potential instructional and learning affordances of varied technologies and the ways in which they might be used to promote communication and collaboration and to support authentic learning environments. Spring, summer.

**MAT 6033. Internship I.** Prerequisites: Nine hours of coursework including MAT 6003. The supervised internship is to be completed when the candidate obtains a job in an appropriate Arkansas public school. The candidate is provided with supervised, on-the-job experiences. The experiences will be accompanied by online coursework and individual supervision at the school site designed to provide evaluation, reflection, and analysis of the field experiences. Fall, spring.

**MAT 6043. Internship II.** The supervised internship is completed after Internship I. The candidate must still have a job at an appropriate Arkansas public school. The candidate is provided with supervised on-the-job experiences. The experiences will be accompanied by scheduled, on-campus group and individual supervision designed to provide evaluation, reflection, and analysis of the field experiences. Successful completion of portfolio defense is required. Fall, spring.

**MAT 6053. Student Teaching I.** Prerequisites: 24 hours of MAT coursework. This course is designed to provide candidates with supervised, on-the-job experiences in an appropriate Arkansas public school. The experiences will be accompanied by scheduled, on-campus group and individual supervision designed to provide evaluation, reflection, and analysis of the field experiences. Fall, spring.

**MAT 6063. Student Teaching II.** This course is designed to provide candidates with supervised, on-the-job experiences in an appropriate Arkansas public School and must be completed after Student Teaching I. The experiences will be accompanied by scheduled, on-campus group and individual supervision designed to provide evaluation, reflection, and analysis of the field experiences. Successful completion of portfolio defense is required. Fall, spring.

**MAT 6073. Learning Theory.** This course is a study of the principles and problems of learning with consideration of major empirical findings and their theoretical interpretations. Spring, summer

**MAT 6083. Reading Diagnostics.** This course is a basic course with emphasis on methods and material for teaching reading. Innovative and experimental procedures of teaching will be examined. Current reading programs will be studied. Spring, summer.

#### Mathematics Education (MATH)

**MATH 5003. College Geometry.** Prerequisite: MATH 2753. This course is a postulational approach to the study of elementary geometry through the real number system. As needed.

**MATH 5023. Point-Set Topology.** Prerequisite: MATH 2753. This course is a study of topological spaces, metric spaces, continuous functions, connectedness, separability, compactness, local compactness, and local connectedness. As needed.

**MATH 5033. Introduction to Complex Variables.** Prerequisite: MATH 2753. This is an introductory course in complex variable theory with application. As needed.

**MATH 5043. Numerical Analysis.** Prerequisites: MATH 2753 and MATH 3033. This course serves as an introduction to the principles and techniques of understanding, designing, and applying numerical algorithms. Applications to include finding roots of nonlinear algebraic equations and polynomials, numerical integration and differentiation, matrix iterative methods for solving systems of linear equations. Time permitting, approximation and interpolation by polynomials, curve fitting, and the numerical solution of differential equations will be considered. Error types, propagation, analysis and control and algorithm types, complexity, generality, and rates of convergence will be covered. As needed.

**MATH 5053. Higher Order Thinking in Mathematics.** Prerequisite: MATH 1023 with a grade of C or above. For middle level and secondary education mathematics majors only. This course develops an understanding of number and operation and the connection of those topics to the study of algebra. As needed.

**MATH 5073. Introduction to Probability and Statistics.** Prerequisite: MATH 2753. This course is a study of elementary theory of probability with statistical applications. As needed.

**MATH 5083. Calculus for Teachers I.** Prerequisite: Consent of instructor. A study of topics in elementary analysis designed to provide mathematical background and maturity for teachers of secondary school mathematics. As needed.

**MATH 5093. Calculus for Teachers II.** Prerequisite: MATH 5083. A continuation of MATH 5083. As needed.

**MATH 5123. History of Mathematics.** Prerequisite: MATH 2753. To examine how mathematics has developed from antiquity to modern times. To explore how the solutions of real-world problems have spurred mathematical developments. To appreciate how civilization and culture have been influenced by and have influenced mathematics. To understand mathematical literacy and proficiency from a historical perspective. As needed.

**MATH 5601-3. Workshop in Mathematics Education.** Selected current topics related to elementary and middle school mathematics instruction will be studied. As needed.

**MATH 5613. Special Topics.** Prerequisite: MATH 2753. Special topics of interest to be selected from the following: mathematical modeling, operations research, graph theory, dynamic systems, real analysis, advanced discrete mathematics, advanced linear algebra, and others as needed. Repeatable for credit for up to six hours with departmental approval. As needed.

**MATH 6013. Intermediate Analysis I.** Prerequisite MATH 2753: Consent of instructor. This course is a survey of real numbers, analytic geometry, and calculus. Definitions and abstract concepts are stressed. As needed.

**MATH 6023. Modern Abstract Algebra.** Prerequisite: MATH 3063 or equivalent. This course will examine groups, rings, integral domains, fields, homomorphisms, and isomorphisms. As needed.

**MATH 6033. Math Thinking K–8 Teach.** This course builds on the preliminary understanding of the intricacies of a numeration system and associated operations. The importance of the structural properties of the rational number system will be investigated. Students will be encouraged to develop algorithms within the system and show how these algorithms can be generalized across the system. Formal definitions of addition and multiplication will be explored within their contextual uses. As needed.

**MATH 6083. Project in Mathematics.** Prerequisites: One three-hour course in research and statistics and six semester hours of graduate work in the major area of study. Approval by a committee composed of the professor teaching the course, the student's advisor, and the dean of graduate studies. An in-depth study of a selected topic. A maximum of six hours credit can be earned in this course. As needed.

**MATH 6103. Modern Geometry.** Prerequisite: MATH 4003 or MATH 5003. A logical development of Euclidean and non-Euclidean geometries from basic axioms. As needed.

**MATH 6113. Intermediate Analysis II.** Prerequisite: MATH 6013. A continuation of MATH 6013. As needed.

**MATH 6123. Algebraic Thinking.** A course to help middle level and secondary teachers identify, describe, and foster algebraic thinking. Topics include analyzing written student work, listening to students, documenting patterns of student thinking, and asking questions. All units focus on connections between algebraic habits of mind and the algebra learning expectations enunciated by the National Council of Teachers of Mathematics. As needed.

**MATH 6133. Geometric Thinking.** This course builds on the preliminary understanding of the intricacies of shape and measurement. The student will examine aspects of two- and three-dimensional shapes, extend geometric vocabulary, and explore both definitions and properties of geometric objects. Students will also complete a comprehensive study of angle, similarity, congruence, and the relationships between 3-D objects and their 2-D representation. The student will examine different aspects of size, develop facility in composing and decomposing shapes, and apply these skills to make sense of formulas for area and volume. There will be activities from a variety of sources and grade levels and connections will be made linking middle school geometry to more advanced topics taught at the secondary level. Dynamic computer software (Geometers Sketchpad), graphing calculators, Smart Boards, and the TI Navigator will be used to enhance the teaching and learning of geometry. As needed.

**MATH 6173. Statistical Analysis.** Prerequisite: MATH 4073 or MATH 5073. Probability, frequency distributions, sampling theory, hypothesis testing, regression analysis, correlation, and analysis of variance. As needed.

**MATH 6553. Studies in Modern Mathematics for Secondary Teachers.** A study of current content and trends in secondary mathematics programs, methods, and related topics. As needed.

**MATH 6583. Elementary Mathematics Concepts I.** A study of current content and trends in elementary mathematics programs, methods, and related topics. Mathematics credit for this course is restricted to (1) elementary education students and (2) secondary education students preparing to teach mathematics in middle schools. As needed.

**MATH 6593. Elementary Mathematics Concepts II.** Prerequisite: MATH 6583. A continuation of MATH 6583. Mathematics credit for this course is restricted to (1) elementary education students and (2) secondary education students preparing to teach mathematics in middle schools. As needed.

**MATH 6911-6. Thesis: Mathematics Education.**

#### Master of Science in Computer and Information Science (MCIS)

**MCIS 5003. Survey of Information Technology.** The course presents a survey of information technology with a focus on e-commerce applications. It introduces e-commerce principles, mechanisms and applications. It also demonstrates the underlying technology platforms such as: mobile commerce, RFID, smart grids, wireless sensor networks, cloud computing and social commerce. E-commerce support systems and implementation processes are also discussed. Spring Semester.

**MCIS 5013. The UNIX Operating System.** This is an introduction to the UNIX operating system. Topics to be covered will include the history and philosophy of UNIX systems, an introduction to the basic elements of UNIX, the “shell” command interface, utilities for managing files, and an introduction to the functions that administrators perform to maintain or re-establish the reliability of UNIX systems and the tools that UNIX provides to support that activity. Fall semester.

**MCIS 5023. Computer Science Fundamentals: Concepts.** This course will provide an introduction to Binary number systems, and the key concepts of Computer Architecture, Operating Systems, Data Base Management Systems and Computer Networking. As needed.

**MCIS 5033. Computer Science Fundamentals: Programming.** This course will provide an introduction to Memory Operations, Problem Solving in Computers, Data Structures and Algorithms, Time and Space Complexity, and a Programming language (Python). Students will learn implementing mathematical formulas, and solve sorting and searching problems.

**MCIS 5103. Advanced Programming Concepts.** This course teaches object-oriented programming and development using the Java programming language. Object-oriented concepts, including class hierarchies, inheritance, and polymorphism, are reinforced through the development of stand-alone applications. Students strengthen their understanding of event-driven programming and graphical user interfaces by designing and programming Web applets. Fall semester.



**MCIS 5113. Web Programming: Client Side.** The course studies the client/server architecture and multi-tiered architecture as it pertains to Web technology. It provides fundamentals of hardware and system software as well as middleware. Web server planning and Web server administration are also covered. Course appropriateness will be determined case by case during advising. Fall semester.

**MCIS 5133. Data Base Management Systems.** The course introduces fundamental database concepts and implementation. Data models such as relational and object-oriented models are covered. Connection between DBMS and Web applications and a popular DBMS system such as Oracle will also be addressed. Spring semester.

**MCIS 5153. Design and Analysis of Web-based Information System.** This course focuses on the system development life cycle for creating Web-based information systems analysis and design. It introduces different paradigms for developing Web software, the key stages of the life cycle and identifies key deliverables for each stage. Course appropriateness will be determined case by case during advising. Fall semester.

**MCIS 5313. Data Structures and Algorithms.** Algorithmic process and flowchart. Arrays, linked lists, stack, queue, trees, graphs, analysis of algorithms, recursion, search and sorting algorithms, divide and conquer, greedy and dynamic algorithms. Implementation of algorithms and data structures in C/C++, review and comparison of different algorithmic approaches, P and NP problems.

**MCIS 5413. Web Programming: Server Side.** Prerequisite: MCIS 5113. This course focuses on the system development life cycle for creating Web-based information systems analysis and design. It introduces different paradigms for developing Web software, the key stages of the life cycle and identifies key deliverables for each stage. Course appropriateness will be determined case by case during advising. Spring semester.

**MCIS 6123. Decision Science.** The course introduces the concepts of decision support systems and artificial intelligence systems as components of information systems. Survey of the analysis, design and implementation of systems for decision support, including data management systems, knowledge engineering, expert systems, and intelligent agents. Course appropriateness will be determined case by case during advising. As needed.

**MCIS 6133. User Interface Design.** This course studies human factors of interactive software, interactive styles, design principles and considerations, development methods and tools, interface quality and evaluation methods. Course appropriateness will be determined case by case during advising. Fall semester.

**MCIS 6143. Web Application and Web Service.** The course provides students with knowledge about the next frontier in distributed computing: Web Services architecture framework, methodology, and Web Service technologies such as SOAP, and WSDL. The technologies in both J2EE and .NET environments will be surveyed. Course appropriateness will be determined case by case during advising. Spring semester.

**MCIS 6153. Software Engineering.** This course focuses on the system development life cycle for creating Web-based information systems analysis and design. It introduces different paradigms for developing Web software, the key stages of the life cycle and identifies key deliverables for each stage. Course appropriateness will be determined case by case during advising. As needed.

**MCIS 6163 Computer Networking.** The course will cover networking from the lowest levels of data transmission and wiring to the highest levels of application software, explaining how underlying technologies provide services and how Internet applications use those services. Course appropriateness will be determined case by case during advising. As needed.

**MCIS 6173 Information and Networking Security.** Prerequisite: MCIS 6163. This course will survey network-based and Internet-based security applications and standards including topics of cryptography. It covers algorithms and protocols underlying network security applications, encryption, hash functions, digital signatures, and key exchange. Course appropriateness will be determined case by case during advising. Spring semester.

**MCIS 6183 Special Topics.** Selected topics not available in other departmental courses including transaction processing, data mining, data warehousing, advanced networking, wireless and mobile computing, and information assurance and security, etc. Repeatable for Credit. Course appropriateness will be determined case by case during advising. Fall, spring semester.

**MCIS 6201-6. Special Topics Seminar.** Repeatable for Credit.

**MCIS 6213 Applied Cryptography.** This course introduces the basic theory and practice of cryptographic techniques used in computer security. This course discusses topics such as encryption public-key infrastructure, message integrity, digital signatures, user authentication, cryptographic hashing, Network security protocols, digital rights management and information system defensive mechanisms protocols. Course appropriateness will be determined case by case during advising. Fall semester.

**MCIS 6223. Vulnerability Analysis and Risk Assessment.** This course introduces an overview of the risk and vulnerability assessment processes. It presents the various phases of the information security risk assessment process (i.e. data collection, data analysis, risk analysis and data reporting). The course also provides an in-depth coverage of the vulnerability analysis fundamentals and tools. A survey of the widely used control approaches required to fix the system and network vulnerabilities is also presented. Fall Semester.

**MCIS 6233. Traceable Systems and Computer Forensics.** This course will introduce the topics of computer compromises and forensics discovery. Students will learn different aspects of computer crime and ways in which to uncover, protect and exploit digital evidence. Students will explore different types of data forensic tools, both software and hardware, and use them to perform rudimentary incident analysis and investigation. Course appropriateness will be determined case by case during advising. Spring semester.

**MCIS 6243. Wireless and Mobile Security.** Co-Requisite: MCIS 6163. This course introduces an overview of the wireless and mobile networks security approaches. It offers an in-depth coverage of the WiFi and Ad Hoc security architectures, mechanisms and protocols. The vulnerabilities of the mobile IP networks are discussed and the mobile IPv4 and mobile IPv6 security solutions are demonstrated. Spring semester.

**MCIS 6253. Privacy Compliant Systems Design.** Prerequisite: MCIS 6178. This course will cover privacy and privacy policies, privacy models, subjective privacy, resolving privacy policy conflicts, privacy challenges, privacy compliant system design, privacy auditing. Fall Semester.

**MCIS 6263. Big Data.** This course covers the theoretical and practical fundamentals of Big Data. Students will explore the key concepts of Big Data including Big Data Characteristics, Management, Storage, Processing, Analysis and Visualization. The course is designed to involve hands-on experience with big data frameworks such as Hadoop MapReduce and Spark. Fall Semester.

**MCIS 6273. Data Mining.** Data representation, preparation and manipulation, distance, similarity, distribution/statistical concepts, pattern mining, unsupervised techniques/introduction to clustering, outlier analysis, supervised techniques/classification and prediction, ensemble methods, data visualization, social mining and text mining, ethics in data mining. Fall Semester.

**MCIS 6283. Machine Learning.** This course covers the theoretical and practical fundamental so Machine Learning. Students will explore the key concepts of Machine Learning in a practical approach. Students will learn various machine learning tasks including algorithms and techniques such as linear regression, logistic regression, Support Vector Machines, Reinforcement Learning, Bayesian Decision Theory, Hidden Markov Models and Neural Networks. Spring Semester.

**MCIS 6303. Survey of Literature in Computer Science.** This course focuses on methodology of survey of computer science literature including taxonomy, organization and presentation.

**MCIS 6911-6. Thesis.** This course focuses on investigating one or more research problems and reporting the findings.

**MCIS 6933. Research Methods in Computer Science.** This course focuses on identification of research problems, generation of hypothesis and validation of hypothesis. It also trains on data collection and processing methods and analysis and presentation of results.

**MCIS 6983. Internship in Computer and Information Science.** Prerequisites: MCIS 5103, 5113, 5413, 5133 and instructor approval. Provide Opportunity for graduate students to gain information technology (IT) industry experience and interact with local and potential employers. Three hundred (300) hours of supervised work experience is required to complete the course.

#### Multicultural Studies (MCUL)

**MCUL 5003. Teaching People from Other Cultures.** Students in this course will address many of the cultural issues and questions that exist in the field of TESOL. Students will explore the complex relationships between cultural values, language and language acquisition, nonverbal behavior, and patterns of reasoning. Students will be introduced to difficult questions about the culturally enriching, perplexing, or even destructive role that the teaching of English plays for English language learners. The ultimate goal of the course is to increase students' intercultural awareness and teaching effectiveness and to decrease culture-based misunderstandings in the intercultural classroom. As needed.

## Management (MGMT)

**MGMT 6003. Strategic Planning and Analysis** Prerequisites: Must have completed 18 hours of MBA coursework. This is a course designed to prepare students to be senior managers for the increasingly competitive business world. The emphasis of this course will be on the strategic analyses, decisions, and actions that organizations take to create sustainable competitive advantages, with the consideration of both the internal condition and the external environment, through chapters, readings, case analyses, and simulations. We will also discuss issues related to technical advancements, global conditions, ethical decision making, corporate social responsibility, stakeholder theory, and the relationship of business & government. Fall, Spring Summer Semesters.

**MGMT 6013. Human Behavior in Organizations.** Prerequisites: MGMT 3023 Management Theory and Behavior. A theoretical and application-based survey of the human factors in organization management. The course gives consideration to the impact of dynamic forces like globalization and technology on the organization. The course utilizes a combination of textbook readings, exercises, and research studies of actual organizations to provide MBA students with a working knowledge of the personal and interpersonal processes involved in the management and leadership of organizations. Fall, Spring semesters.

**MGMT 6033. Creativity, Innovations, and Entrepreneurship.** Cross-Referenced with SE 6033. A comprehensive study of practical creativity in business and organizational settings. Creativity is studied at both the macro and micro levels as both entrepreneurship (the start-up of new venture) and within-company creativity. Organizational structures, programs, and reward systems designed to foster creativity are analyzed and discussed. Case studies model the use of creativity, innovation, and entrepreneurship to create new products and markets, develop and use technology, address social problems on a foreign or domestic scale, and improve current processes and procedures. As needed.

**MGMT 6043. Business Analytics.** Prerequisites: GBUS 3183 Quantitative Analysis II. Statistical concepts and methodology useful in understanding, assessing, and controlling operations of business statistics. The major objectives are both an understanding of the statistical methods and the application coverage of topics including collection and presentation of data, probability theory, sampling distributions, hypothesis testing, analysis of variance, regression, and non-parametric statistics. SPSS will be highly utilized throughout the semester. In addition to understanding the basic concepts of statistics, this course will focus mainly on the applications of statistics in helping managers make better decisions. Fall, Spring semesters.

**MGMT 6053 International Business.** Cross-Referenced with SE 6053. The global environment of business is explored with emphasis on cultural diversity, international institutions, government-business interface, and global competition. Case studies will be used to emphasize issues. Country studies (both written and oral) will be developed and presented. As needed.

**MGMT 6063. Special Topics in Management.** A course introducing graduate students to timely management topics that can enhance their jobs or professional development. The course includes readings, cases, and research into current issues in management. As needed.

**MGMT 6073. Special Topics in Management.** A course introducing graduate students to timely management topics that can enhance their jobs or professional development. The course includes readings, cases, and research into current issues in management. As needed.

**MGMT 6083 Leadership Development.** This course will focus on exploring theoretical models of leadership and learning from practical applications. Students will use this information to assess their own leadership style and develop a foundational set of skills to use in their ongoing leadership development.

**MGMT 6093 Leadership Action Project.** Prerequisites: MGMT 6083 Leadership Development, MGMT 6013 Human Behavior in Organizations, and either MGMT 6033 or SCM 6013. This course requires the student to design and carry out a leadership project.

**MGMT 6983. Field Experience in Management.** Prerequisite: Graduate standing and approval of the MBA director and appropriate faculty member. A structured field experience relevant to management. Field experience is designed to provide a representative and meaningful learning experience for the participating student. As needed.

#### Marketing (MKTG)

**MKTG 6023. Strategic Marketing.** Prerequisite: MKTG 3033 Principles of Marketing. The study of elements that affect managerial decisions in marketing. Emphasis is placed on analysis, planning, implementation, and control of marketing programs in a competitive environment utilizing the case method and/or computer simulations. Fall, Spring semesters.

**MKTG 6063. Special Topics in Marketing.** Prerequisites: Admission to the MBA program and MKTG 3003. A course introducing graduate students to timely marketing topics that can enhance their jobs or professional development. The course includes readings, cases and research into current issues in marketing. As needed.

**MKTG 6983. Field Experience in Marketing.** Prerequisite: Graduate standing and approval of the MBA director and appropriate faculty member. A structured field experience relevant to marketing. Field experience is designed to provide a representative and meaningful learning experience for the participating student. As needed.

#### Middle School Education (MSED)

**MSED 5013. Middle School Concept.** Candidates develop models of middle level schooling, contexts, and explore early adolescent educational sociology. Develop lessons that demonstrate an emphasis on the relationship between characteristics of transient students, society, and schooling. Candidates develop a middle level philosophy which reflects the philosophical foundations of middle level education. Fall semester.

**MSED 5033. 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. Fall semester.

## Public Administration (PA)

**PA 6003. Principles of Public Administration.** This course is designed to develop an understanding of the field of public administration. This involves the exploration of a variety of topics in some depth, integrating them with the objective of forming an overall perspective of the conduct of the public's interest. Topics will include decision theory, ethics, major figures and theories of public administration, bureaucratic theory, and overview of contemporary issues. Fall semester.

**PA 6013. Statistics for Public Administrators.** Introduces techniques useful in the analysis of data for developing strategies and measuring success in the implementation of public policy choices. Summer.

**PA 6023. Ethics.** Relates ethical issues likely to arise in the management of public and non-profit organizations; emphasizes values paramount in furthering the public interest, including, but not only, commitment to the rule of law, standards of conduct, fundamental fairness, and other administrative responsibility (both collective and personal) for the discharge of the public trust. **Spring Semester.**

**PA 6033. Rural Politics.** Considers the impact of social, political, and economic trends on communities in ex-metropolitan America from the perspectives important to the leaders of public and non-profit entities and other stakeholders in those places. Spring semester.

**PA 6043. Legal Issues in Public Administration.** Provides descriptions, analyses, and critiques of the constitutional and administrative law framework for public and non-profit administration. Surveys federal and state legal constraints applicable to policy choices and program implementation, including, but not only, the requirements of due process of law and equal protection of the laws. Spring semester.

**PA 6053. Public and Non-Profit Budgeting.** Reviews theories of budgeting in the public and non-profit sectors (including the impact of macroeconomic fiscal policies). Examines budget tools (including a variety of automated budgeting systems) used to apply the theories to policy choices and to construct operating and capital budgets, to manage risk, and to assure accountability. Fall semester.

**PA 6063. Public Policy.** Course focuses on public policy issues, decision processes, resource allocation, and understanding the political and economic nature of public policy. Will cover in depth theories of the policy process, policy formulation, and execution. Specific attention will be paid to justifications for (or against) governmental interventions. Fall semester.

**PA 6073. Research Methods.** Emphasizes the application of social science and marketing methodologies to assess the effectiveness and efficiency of public and non-profit sector programs and policies. Covers topics such as the development of evaluation plans, the design and implementation of evaluation techniques like process, impact, cost-benefit, and cost-effectiveness measurements, and the management of evaluation projects. Spring semester.

**PA 6083. Organizational Leadership.** Surveys theories and types of leadership; provides analyses of techniques for creating motivation and cohesion in complex organizations, and describes design/administration of structures for successful decision-making. Fall semester.

**PA 6113. Professional Project.** Cross-Referenced with SE 6113. The professional project is intended to be a capstone for the MPA degree. It should demonstrate a level of competence on the part of the student that is expected of one with a professional degree. This will involve providing a product for a public or non-profit agency. Fall, spring, summer.

**PA 6133. The Third Sector: Theory and Practice.** Introduction to theory and practice of the nonprofit organizations within the United States. Course is designed to introduce students to the historical and theoretical foundations of the nonprofit sector. Current conditions in and challenges for the nonprofit are covered as well as an overview of the ethical, legal, fiduciary and other areas of importance to the industry. Students will be introduced to social entrepreneurship and future trends of this sector. Summer

**PA 6153. Public Personnel Administration.** This course introduces students to the field of human resource management. It focuses on the knowledge and skills required by both personnel officers and those who manage personnel on a daily basis. Spring semester.

**PA 6183. Special Topics I.**

**PA 6193. Special Topics II.**

**PA 6253. Social Activism & Public Administration.** Cross-Referenced with SE 6253. This course provides graduate students with a detailed overview of principles and strategies associated with social activism as a function of policy development. Through an examination of the underlying theories of social paralysis, grassroots movements, the dynamics of resistance/advocacy, and the role of these in influencing policy, along with a review of principles of public administration, the student will examine how social movements in diverse cultural, political, and economic settings are critical to the conduct of public policy. Summer.

**PA 6263. Program Evaluation.** This course is designed to develop an understanding of the theoretical underpinnings and practical applications of the evaluation of public programs. Will cover governmental and nonprofit evaluation requirements. Course will focus on stakeholder analysis, formal research design, data collection procedures, process and impact evaluations. Spring semester.

#### Public Health (PH)

**PH 5023. Health Care and Public Policy.** Introduction to health care services, including the characteristics and structure of the U.S. health care system and its comparison to other health systems. Key topics include examination of public health policy, laws, ethics, and economics; knowledge of key elements of the health care industry pertaining to medical care and public health; understanding of the interrelated roles of industry; and challenges facing state and national health care systems.

**PH 5123. Program Planning and Evaluation.** Exploration of various practical skills used to effectively plan, implement, and manage programs that address public health problems in a range of settings. Key components include discussion of major concepts, theories, and methods in planning, implementing, and evaluating successful health promotion programs and events.

**PH 5143. Evaluation Methods.** Involves discussion and application of processes surrounding public health evaluation, including issues of overall evaluation design, as well as methods and techniques used for conducting evaluations, communicating results, and ensuring that evaluation findings are used appropriately by intended users.

#### Physics (PHYS)

**PHYS 5003. Astronomy for Teachers.** Prerequisite: Twelve semester hours in science or approval of instructor. A hands-on course that develops fundamental concepts and practical classroom and laboratory exercises in astronomy. As needed.

**PHYS 6403. Physical Science for Teachers.** Prerequisite: Twenty-four semester hours in science. A study of the fundamental concepts of physics, chemistry, astronomy, meteorology, earth science, energy, and environment as applied to the teaching of high school general and/or physical science. Lecture and laboratory. As needed.

**PHYS 6504. Electronics for Teachers.** Prerequisite: Twelve hours of physical science, especially physics. A course designed to provide teachers with hands-on experiences in the concepts of electronics and the practical classroom and laboratory applications of solid-state electronics. Lecture and laboratory. As needed.

**PHYS 6514. Physics for Teachers.** A course in physics that develops the fundamental concepts and processes of physics and provides practical classroom and laboratory exercises. Lecture and laboratory. As needed.

#### Psychology (PSYC)

**PSYC 5023. 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. As needed.

**PSYC 5033. Abnormal Psychology.** Prerequisite: PSYC 2003 or consent of the instructor. A description and explanation of the varieties of maladjustments, their causes, methods of treatment, and mental hygiene approach in preventing psychological maladjustments. As needed.

**PSYC 5053. Theories of Personality.** Prerequisite: PSYC 2003 or consent of the instructor. This course is a study of the personality theories of Freud, Jung, Murray, Allport, Rogers, and others. As needed.

**PSYC 5073. Learning Theory.** Prerequisite: PSYC 2003. A study of the principles and problems of learning with consideration of major empirical findings and their theoretical interpretations. As needed.

**PSYC 5083. Adolescent Psychology.** Prerequisites: Admission to the Teacher Education Program and PSYC 3013 or with consent of the chairperson of the Department of Behavioral and Social Sciences. 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. As needed.



**PSYC 6003. Wechsler Intelligence Scale.** Prerequisites: COUN 6023 and consent of instructor. A course in individual intelligence testing with administration, use, and interpretation of the Wechsler Intelligence Test. As needed.

**PSYC 6063. Social and Psychological Aspects of Behavior.** An examination of the social and psychological elements of human behavior with attention to application in teaching and counseling. As needed.

**PSYC 6073. Advanced Human Growth and Development.** An overview of major theories and the most current research on human growth and development with application to personal-social, careers, and educational development of students, including exceptional, disadvantaged, and minority groups. As needed.

**PSYC 6103. Stanford-Binet Intelligence Scale.** A course in individual intelligence testing with administration, use, and interpretation of the Stanford-Binet Intelligence Scale. As needed.

**PSYC 6113. Advanced Behavior Modification.** Prerequisite: PSYC 4073 or PSYC 5073. The course includes advanced principles and applications of behavior modification and contingency management. Procedures of conditioning, reinforcement, token economy, and self-control are applied to individuals and groups in a variety of settings. Research, application, and ethics of observation reporting will be emphasized. Course includes actual application of principles in a laboratory or clinical setting. Recommended for education examiner program and for counseling certification. As needed.

#### Secondary Education (S ED)

**S ED 5053. Middle School Methods and Curriculum.** Recommended procedures for teaching middle school pupils with special emphasis on the areas of reading, language arts, social studies, science, and mathematics. A course designed for secondary education students who wish to meet middle school certification requirements. Spring semester.

**S ED 5203. Strategies for Content Area Reading.** This course is a comprehensive study of reading process, reading in the content fields, teaching materials, and techniques for improved comprehension. Spring semester.

**S ED 6213. Secondary School Curriculum.** A course designed to explore current and experimental designs of secondary school curricula and instructional procedures, with emphasis on those curricular and instructional aspects that are broader than a single subject area. A research paper is required. Fall, spring semester.

**S ED 6223. Project in Secondary Education.** Prerequisites: One three-hour course in research and statistics and six semester hours of graduate work in the major area of study. Approval of a committee composed of the professor teaching the course, the student's advisor, and the dean of graduate studies. A course designed to provide an in-depth study and critical evaluation of an educational idea or practice with major emphasis on the results obtained when the idea or practice is used in a local secondary school setting. A research paper is required. As needed.

**S ED 6253. Seminar in Secondary Education.** A course designed to explore and clarify several current and theoretical designs of secondary school curricula, and to encourage critical evaluation of these practices from the standpoint of logical and empirical evidence. Spring, summer.

**S ED 6263. Methods and Media in Secondary Education.** This course is designed to help prospective teachers develop and/or refine the skills necessary to be an effective classroom teacher in grades 7-12. Spring semester.

**S ED 6911-6.** Thesis: Secondary Education.

#### Science Education (SCED)

**SCED 5053. Higher Order Thinking in Science.** This laboratory-based course stresses the learning of science as active, integrated, constructive processes involving experimentation, investigation, communication, reasoning, and problem solving. The course builds foundations in content to show connections and relevant applications in the areas of life systems, earth systems, and physical systems. The goals of the course are to help teachers extend content learning; to provide help in the teaching of the use of manipulatives, calculators, science equipment, and various learning strategies; and to provide access to appropriate materials, equipment, and technology. (May also be prefixed BIOL, PHYS, CHEM, or GEOL.) As needed.

**SCED 6143. Modern Trends in Teaching Elementary School Science.** Prerequisites: Three courses in science or approval of instructor. A laboratory, library, and discussion course designed to acquaint the elementary teacher with new teaching methods in science and to provide practical experiences and laboratory experience in process and concept development in science. The interrelationship of science to other elementary subjects will be emphasized. Credit in this course cannot be applied to the master of education degree at the secondary level. As needed.

**SCED 6161-3. Project in Science Education.** Prerequisites: One course in research and statistics and two courses in major area of study. Approval by a committee composed of the professor teaching the course, the student's advisor, and the dean of graduate studies. (A consideration of topics in science education.) Topics may be selected from biology, chemistry, science education, geology, or physics. Credit is earned when students satisfactorily present the result of their research or their research paper(s). The prefix in 6161-3 will reflect the area of study chosen (BIOL, CHEM, GEOL, PHYS, or SCED). As needed.

**SCED 6171-3. Workshop in Science Education.** Prerequisites: Teaching experience and consent of workshop instructor. A course designed for in-service teachers to improve instruction from preschool through grade twelve. Content will change as indicated by developments, problems, and individual needs in the areas of biology, chemistry, science education, geology, or physics. The prefix on 6171-3 will reflect the area of study chosen (BIOL, CHEM, GEOL, PHYS, or SCED). As needed.

**SCED 6911-6. Thesis: Science Education.** Students with emphasis in science education may elect to write a thesis based on research done in the field of biology, chemistry, geology, physics, or science education under the supervision of their graduate committee. The graduate advisor will be the chair of the thesis committee. As needed.

## Social Entrepreneurship (SE)

**SE 6013. Project Management.** Cross-Referenced with SCM 6013. This course will focus on the nine project management areas as defined by the Project management Institute. These include project integration, scope, time, cost, quality, human resources, communications, risk, and procurement management. Each of these nine areas will be investigated in detail and deliverables coming from those areas will be discussed. Fall semester, even years.

**SE 6033. Creativity, Innovation, and Entrepreneurship.** Cross-Referenced with MGMT 6033. A comprehensive study of practical creativity in an organizational setting. Creativity will be studied at both the macro and micro levels as both entrepreneurship (the start-up of new venture) and writing company creativity is investigated. Organizational structures, programs, and company creativity are investigated. Organizational structures, programs, and reward systems designed to foster creativity will be analyzed and discussed. Students will develop a written project proposal and a multimedia presentation to introduce it. As needed.

**SE 6043. Issues in Environmental Economics.** Cross-Referenced with ECON 6043. This course provides and overview of current issues in environmental economics such as environmental protection and policy, tradeoffs, and the global warming debate. As needed.

**SE 6053. International Business.** Cross-Referenced with MGMT 6053. The global environment of business is explored with emphasis on cultural diversity, international institutions, government-business interface, and global competition. Case studies will be used to emphasize issues. Country studies (both written and oral) will be developed and presented. As needed.

**SE 6063. Special Topics in Social Enterprise.** Prerequisites: Admission to the MBA program. This course introduces students to an emerging topic related to the field of supply chain management that is not covered in the other MBA level supply chain management courses. For example, the role of the Internet of Things in support of supply chain management is emerging but not well documented or standardized. Knowledge of such a new topic can serve to provide MBA students pursuing a supply chain management emphasis with a competitive advantage in the workplace. Spring Semester.

**SE 6113. Professional Projects.** Cross-Referenced with PA 6113. The professional project is intended to be a capstone for the MPA degree. It should demonstrate a level of competence on the part of the student that is expected of one with a professional degree. This will involve providing a product for a public or non-profit agency. Fall, spring, summer.

**SE 6133. Third Sector Theory and Practice.** Introduction to theory and practice of nonprofit organizations within the United States. Course is designed to introduce students to the historical and theoretical foundations of the nonprofit sector. Current conditions in and challenges for the nonprofit are covered as well as an overview of the ethical, legal, fiduciary responsibilities will be covered. Students will be introduced to social entrepreneurship and future trends of this sector. Summer

**SE 6143. Sustainable SCM Practices.** Cross-Referenced with SCM 6043. This course includes review of the literature related to sustainable supply chain management (SSCM) and complete an empirical investigation of the impact of sustainability within a supply chain context on organizational and supply chain performance. This investigation requires the use of SPSS software to assess validity and reliability of measurement scales, to develop and interpret tables and graphs, and to conduct and interpret the results of statistical analysis. Spring semester, odd years.

**SE 6253. Social Activism.** Cross-Referenced with PA 6253. This course provides graduate students with a detailed overview of principles and strategies associated with social activism as a function of policy development. Through an examination of the underlying theories of social paralysis, grassroots movements, the dynamics of resistance/advocacy, and the role of these in influencing policy, along with a review of principles of public administration, the student will examine how social movements in diverse cultural, political, and economic settings are critical to the conduct of public policy. Summer.

**SE 6983. Field Experience in Social Entrepreneurship.** Prerequisite: Graduate standing and approval of the MBA director and appropriate faculty member. A structured field experience relevant to social entrepreneurship. Field experience is designed to provide a representative and meaningful learning experience for the participating student. As needed.

#### Sociology (SOC)

**SOC 5083. Family Centered Social Work.** The purpose of this course is to give students an orientation to the problems of children and their families in contemporary United States society. Policies, programs, problems, and services for children and their families will be explored. As needed.

#### Supply Chain Management (SCM)

**SCM 6003. Enterprise Resource Planning.** This course explores the role of information technologies in business with emphasis on the study of the development and management of information systems to support the operational, administrative, and strategic needs of modern organizations. The course examines the management of supply chains from an enterprise resource perspective and emphasizes on managerial decision-making. The course also explores the benefits, issues and challenges associated with information technology usage for businesses. Fall Semester.

**SCM 6013. Project Management.** Cross-Referenced with SE 6013. This course will focus on the nine project management areas as defined by the Project management Institute. These include project integration, scope, time, cost, quality, human resources, communications, risk, and procurement management. Each of these nine areas will be investigated in detail and deliverables coming from those areas will be discussed. Fall semester, even years.

**SCM 6023. Supply Chain Sourcing.** This course is designed to explore the purchasing materials cycle within the context of supply chain management from acquisition to disposal of goods and services. Specifically, the course will cover the major phases of supply management, how supply management systems links to all players, how the procurement decision interfaces with the other major business functions, the transition of “purchasing” to supply management on a global scale, and the concept of value network management. Summer semester.

**SCM 6033. Supply Chain Security.** Securing the global supply chain, while ensuring smooth functioning, is essential to our national security and economic prosperity. This vital system provides the goods that feed our domestic critical infrastructures and support our way of life. This course describes how to effectively secure this important set of processes from an ever-evolving set of threats, both locally and internationally. Fall semesters, odd years.

**SCM 6043. Sustainable SCM Practices.** Cross-Referenced with SE 6143. This course includes review of the literature related to sustainable supply chain management (SSCM) and complete an empirical investigation of the impact of sustainability within a supply chain context on organizational and supply chain performance. This investigation requires the use of SPSS software to assess validity and reliability of measurement scales, to develop and interpret tables and graphs, and to conduct and interpret the results of statistical analysis. Spring semester, odd years.

**SCM 6053. RFID Technology Utilization.** Students will gain knowledge of RFID technology utilization by reading the assigned text and exhibiting knowledge of the impact RFID technology within the U.S. Manufacturing sector through a review of the current RFID related research. Students will exhibit the ability to assess the role of RFID technology in support of environmental sustainability strategies by statistically analyzing a recently collected RFID/GSCM dataset. Spring semester, even years.

**SCM 6063. Supply Chain Management.** Students will learn that strategic supply chain management is necessary to compete in the global economic environment. Further, they will learn the importance of integrating and coordinating business processes throughout the supply chain from supplier's supplier to the ultimate customer/consumer. They will learn the role and importance that ERP information systems play in successful supply chain management and the importance of technologies such as RFID in supporting those ERP systems. They will learn the role that supply chain management plays in the implementation of environmental sustainability practices. They will learn the strategies and techniques necessary to build the relationships among supply chain partners necessary for successful competition at the supply chain level. Students will review the current supply chain management literature and will statistically analyze the supporting datasets.

**SCM 6073. Special Topics in Supply Chain Management.** This course introduces students to an emerging topic related to the field of supply chain management that is not covered in other MBA level supply chain management courses. For example, the role of the Internet of Things in support of supply chain management is emerging but not well documented or standardized. Knowledge of such a new topic can serve to provide MBA students pursuing a supply chain management emphasis with a competitive advantage in the workplace.

**SCM 6983. Field Experience in Supply Chain Management.** Prerequisite: Graduate standing and approval of the MBA director and appropriate faculty member. A structured field experience relevant to supply chain management. Field experience is designed to provide a representative and meaningful learning experience for the participating student. As needed.

## Spanish (SPAN)

**SPAN 5943. Spanish Workshop for Educators.** This workshop focuses on the special needs and situations confronted by principals, administrators, teachers, and researchers when dealing with Hispanic students and their parents inside the schools or around their environment. It can be useful for non-native speakers of Spanish who wish to improve their knowledge of the language. The workshop focuses on language development about fundamentals of educational organization and policy, behavior, culture, and processes. The idea of the workshop is to help administrators, educators, and researchers to improve communication and gain a better understanding of the research data they can be expected to encounter in their professional practice within any Hispanic community. It is accomplished through a wide variety of opportunities to learn administrative and orientation vocabulary with grammatical structures, used in elementary, intermediate, and advanced contexts. Functions and processes unique to teachers are developed through a very communicative approach. Useful tips and ideas on how to deal with specific topics in the Spanish classroom will be provided. As needed.

## Special Education (SPED)

**SPED 5013. 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 or challenges who may or may not be mainstreamed in the elementary and/or secondary physical education programs. As needed.

**SPED 5043. Instructional Planning.** Prerequisite: SPED 5123 or SPED 5073. This curriculum development course includes the theoretical basis for curricular development; interpreting evaluation reports; and developing individual education programs and adolescent individual transition programs in academic, social/behavioral, and transition-related skills for students with mild disabilities functioning in K-12 age/grade levels. Summer.

**SPED 5053. Methods/Materials for Teaching Students with Mild Disabilities.** Prerequisites: SPED 5123 or SPED 5073. This course studies the research based instructional strategies used in teaching students with mild disabilities functioning at K-12 grade levels. It focuses on methods and materials for teaching curricula in cognitive, academic, social/behavioral, functional, and career/vocational skills areas and adapting the general education curriculum for grades K-12. Summer.

**SPED 5073. Survey of Exceptional Individuals.** This course is a general survey of exceptional individuals from birth to 21 years, and an introduction to special education including special education history and law; disability causations; definitions and classifications systems, characteristics of all categories of exceptional learners (disabled and gifted); provision of services and appropriate educational interventions. Fall, spring semesters.

**SPED 5123. Nature and Needs of Students with Mild Disabilities.** This course is a concentrated study of individuals in P-12 grade levels with mild disabilities (learning disabilities, mild mental disabilities, behavior disorders) including the theoretical, legal, and historical foundations specifically related to learner development, learning environments, curricular content knowledge, assessment, and instructional planning & strategies. This course meets the SpEd 101 requirements as outlined in the Arkansas Department of Education Rules Governing Educator Licensure. Fall, Spring, Summer.

**SPED 5133. Methods/Materials for Teaching Students w/Mild Disabilities (P-4).** Prerequisites: SPED 5123, SPED 5153. This course studies the research-based instructional strategies used in teaching students with mild disabilities functioning at preschool through fourth grade levels. It focuses on methods and materials for teaching age appropriate and developmentally appropriate curricula for young children and a modified individualized general curriculum for students at K through grade four levels. Summer.

**SPED 5143. Methods/Materials for Teaching Students with Mild Disabilities (4-12).** Prerequisites: SPED 5123, SPED 5163. This course studies the research-based instructional strategies used in teaching students with mild disabilities functioning at 4-12 grade levels. It focuses on methods and materials for teaching curricula in cognitive, academic, social/behavioral, functional, and career/vocational skills areas and adapting the general education curriculum for grades 4-12. Summer.

**SPED 5153. Instructional Planning P-4 Mild Disabilities.** Prerequisite: SPED 5123. This curriculum development course includes the theoretical basis for curricular development, interpreting evaluation reports, and developing individual education programs in developmental, academic, social, behavioral areas for children P-4 age/grade functioning levels. Summer.

**SPED 5163. Instructional Planning 4-12 Mild Disabilities.** Prerequisite: SPED 5123. This curriculum development course includes the theoretical basis for curricular development; interpreting evaluation reports; and developing individual education programs and adolescent individual transition programs in academic, social/behavioral, and transition-related skills for students with mild disabilities functioning in 4-12 age/grade levels. Summer.

**SPED 5273. Classroom and Group Management.** This course focuses on helping teachers to develop personal systems of discipline through study and research of the major philosophies, theories, and models of discipline. It will include the study of proactive instructional classroom management and generic classroom management principles including preventing discipline problems, motivating students, and confronting and solving discipline problems. This course also includes the application of theoretical information to problem-solving case studies and classroom problems of students with mild disabilities in a variety of placements at K-12 grade levels. The course will focus on writing IEPs concerning social skills development, and conducting a functional behavioral assessment and writing the behavior intervention plan as required by IDEA. Fall semester.

**SPED 5663. Educational Diagnosis and Assessment:** Prerequisites: SPED5123 or SPED 5073. This course studies the collection, use, and interpretation of academic and behavioral assessment data in K-12 educational settings for diverse exceptional learners in a variety of exceptionalities such as special education, gifted education, and dyslexia with a focus on screening, Individualized Education Plan (IEP) development, IEP monitoring, and annual program evaluation. The administration and interpretation of a variety of formal assessments relative to current best-practices in the specific area of exceptionality will be covered through current research and literature. Spring semester.

**SPED 6003. Collaboration/Consultation for Inclusion.** This course focuses on collaborative school consultation and teamwork among special education professionals, general education teachers and other professionals, and parents of students with disabilities as they work together to provide an appropriate education for students with special needs. This course includes the foundations and frameworks for collaborative school consultation, developing home-school partnerships, communicative processes for effective school relationships, problem-solving strategies, planning differentiated instruction, enhancing interactions with related services personnel, and providing leadership in collaborative school consultations. Fall semester.

**SPED 6013. Administration and Supervision of Special Education Programs.** To meet the need of persons planning to serve as supervisors, administrators, or coordinators of special education programs. A research paper or project developed from documented research is required. As needed.

**SPED 6023. Project in Special Education. Topic: Gifted and Talented.** Prerequisites: Admission to the degree program and one three-hour course in research and statistics and six semester hours of graduate work in gifted and talented. A course designed to provide an in-depth study and critical evaluation of a thesis relevant to teaching the gifted and talented. The resulting paper supporting the project will combine a review of current research and practical application in the field. Approval of a committee composed of the instructor, the candidate's advisor, and the graduate dean will review the paper. Spring semester.

**SPED 6043. Experimental Learning for Gifted and Talented.** Prerequisite: SPED 5023 or consent of instructor. In depth research and/or practice in facilitating autonomous learning experiences for gifted and talented students, including authentic research, entrepreneurship, mentored relationships, and service learning. Emphasis will be placed on constructing and implementing a research-based project. As needed.

**SPED 6063. Language Development (P-4).** Prerequisite: SPED 5123. This course concerns oral language development of students with mild disabilities in the areas of phonology, morphology, syntax, semantics, and pragmatics; and written language development of children birth through grade four. A major focus includes methods and materials in teaching early childhood integrated language enrichment curricula and a modified general education curriculum in language-based subjects in P-4 grades. Summer.

**SPED 6073. Language Development (4-12).** Prerequisite: SPED 5123. This course concerns oral language development of students with mild disabilities in the areas of phonology, morphology, syntax, semantics, and pragmatics; and written language development of students age/grades 4-12 functioning levels. A major focus includes methods and materials in teaching a modified general education curriculum in language-based subjects grades 4-12. Summer.



**SPED 6153. Counseling and Development of the Gifted and Talented.** Prerequisite: SPED 5023 or consent of the instructor. The course will include a review of current research related to the social and emotional development of bright children. Issues and topics will include vocational concerns, special populations, and the role of self-concept motivation. Emphasis will be placed on the resource teacher's role in meeting the affective needs of the gifted. A research paper or project developed from documented research is required. Summer.

**SPED 6173. The Teaching of Reading.** This is a basic course with emphasis on methods and materials for teaching reading to exceptional learners who have been identified to receive services for dyslexia intervention and other reading disorders in the K-12 setting. Additionally, this course focuses on the five major areas of reading originally identified by the National Reading Panel Report; namely, Phonemic Awareness, Beginning Reading/Early Decoding, Advanced Word Reading, Fluency, Vocabulary, and Comprehension. Innovative and experimental procedures based upon current research will be examined.

**SPED 6233. Language Development.** Prerequisite: SPED 5123. This course concerns oral language development of students with mild disabilities in the areas of phonology, morphology, syntax, semantics, and pragmatics; and written language development of students age/grades K-12 functioning levels. A major focus includes methods and materials in teaching a modified general education curriculum in language-based subjects grades K-12. Summer.

**SPED 6243. Directed Internship K-12.** Prerequisites: All required special education courses for endorsement. Requires on-site teaching in public school settings grades k-12 with students with mild disabilities. The intensive directed internship should be a culminating experience in the special education teacher preparation program. It will require a maximum of six weeks of teaching experience with gradual taking the full range of teaching duties (for those not teaching in their own classrooms) including working with paraprofessionals and parents under the supervision of the classroom teacher, school officials, and University supervisor. Successful completion of portfolio defense is required. Fall, spring semester.

**SPED 6253. Comprehensive Psycho-Educational Evaluations.** The course presents a comprehensive approach to psychoeducational evaluation that includes direct assessment of children's functioning and the ability to incorporate assessment data completed by other professionals. Included are evaluation strategies to assess children's functioning in these domains: intellectual/cognitive, memory, sensory/perceptual, processing speed, attention, executive functioning, academic achievement, curriculum-based assessment, curriculum-based measurement of response to intervention and progress in tiers 1, 2, 3. Also, students learn to assess and incorporate recommendations of other professional domains: speech/language evaluations, occupational therapy evaluations, physical therapy evaluations, specialized optometry, autism evaluations, psychological evaluations. Students learn and practice concrete strategies to evaluate the implications of multiple factors that impact the assessment, including determination of the possible effects of emotional disturbance; cultural factors; environmental or economic disadvantage; limited English proficiency; educationally relevant medical findings; and the data collected during the child's participation in a process that assesses the child's response to scientific, research-based intervention.

**SPED 6263. Advanced Psychoeducational Evaluation and Intervention for Emotional Disturbance, Autism, and Other Disabilities.** The course presents advanced knowledge and skills for assessment of complex IDEA disabilities such as Autism, Multiple Disabilities, and when co-morbid disabilities, e.g. ADHD and Specific Learning Disability, are present. The course addresses assessment of culturally and linguistically diverse children. The Emotional Disturbance category is explored with recommendations for assessment and intervention, including a variety of trauma-informed educational interventions related to serious emotional and behavioral disorders. Students of the course are expected to develop extensive resource toolboxes of recommendations and best practices for intervention for a wide range of learning and behavioral issues associated with disabilities encountered in the school setting.

**SPED 6783. Directed Internship P-4.** Prerequisites: All required special education courses for endorsement. Requires on-site teaching in public school settings grades P-4 with students who have mild disabilities. The intensive directed internship should be a culminating experience in the special education teacher preparation program. It will require a minimum of six weeks of teaching experience with graduate taking the full range of teaching duties (for those not teaching in their own classrooms) including working with paraprofessionals and parents under the supervision of the classroom teacher, school officials and University supervisor. Successful completion of portfolio defense is required. Fall, spring semester.

**SPED 6883. Directed Internship 4-12.** Prerequisites: All required special education courses for endorsement. Requires on-site teaching in public school settings grades 4-12 with students with mild disabilities. The intensive directed internship should be a culminating experience in the special education teacher preparation program. It will require a maximum of six weeks of teaching experience with graduate taking the full range of teaching duties (for those not teaching in their own classrooms) including working with paraprofessionals and parents under the supervision of the classroom teacher, school officials, and University supervisor. Successful completion of portfolio defense is required. Fall, spring semester.

**SPED 6911-6. Thesis: Gifted and Talented.** Replaces six hours of the Professional Education Core (see degree plan). Prerequisite: Admission to the degree program, one three-hour course in research and statistics, and 12 hours of gifted coursework. As needed.

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Rebekah Barnes	Jennifer Ford	David Lanoue
Rhonda Basinger	William Gardner	Anne Lee
Haley Bell	Troy Garrison	Brian Lee
Sharee Berry	Roger Giles	Lydia Lindsey
Kelsey Bethausser	Drew Glover	Ken Lucky
Cynthia Blake	Brooke Goad	Alta Malone
Jill Bond	Cheryl Goodheart	Stephanie Manning
Christopher Boswell	Brandon Goodner	Jay Marlar
Lindsay Bragg	John Gore	Dan Marsh
Macy Braswell	Heather Gorman	Sandra Martin
Su-Ann Tan Brown	Katie Graham	Melody Mayo
Steve Browning	David Gray	Donna McCloy
Miranda Bryan	Cynthia Grimes	Jackson McCurdy
Laurie Burks	Daniel Grimmett	Megan McCurdy
Talia Burton	Marisa Grippo	Matthew McDonald
Justin Butcher	Derek Hall	Robert McKamie
Mark Callahan	Whitney Hall	Angela McLaughlin
Halee Campbell	Jeanne Haltom	Charles McMahan
Kathy Carrothers	Makenzi Hamilton	Marcela McRae-Brunson
Jonni Carter	Joseph Haney	Kelly Merrell
Shelley Cassidy	Susan Hanson	Julia Metro
Ember Childs	Joshua Harden	Eriq Moore
Bryan Christenson	Bryce Harman	Essie Moore
Britta Clark	Michael Harwell	Drew Moore
Angela Collins	William Hayes	Verna Moore
Sharon Colvin	Bradley Herman	Peggy Morris
Kendra Copeland	Kandice Herron	Janell Morton
Sheffield Coulter	Gary Hickson	Vicki Mullins
Kristen Cribb	Stacey Hickson	Deshazma Murphy
Keisha Crisp	Madison Hopkins	Robert Nash
James Crow	Brenda Hudman	Kyle Newton
Arvie Crudup	John Impson	Sandra Norment
Robert Cunningham	Mary Iverson	Gary O'Dell
Kizmet Davis	Josh Jenkins	Jodi O'Neal
La'Tricia Davis	Sarah Jennings	Simeon Oston
Lynn Disotell	Emily Jester	Joseph Owen
Lacey Dodson	Jeffrey Jester	Patricia Owen
Lauren Dodson	Edgar Johnson	Christine Pacheco

Kristy Pennington	Adrian Walker
Lituania Perry	Eunice Walker
Joannie Phelps	Sandra Walker
Clint Phillips	Brent Wallace
Margrethe Pierson	Caroline Waller
Penny Plafcan	Jarrin Walton
Shelly Pletcher	Haining Wang
Amy Plummer	Paula Washington-
Kimberly Prater	Woods
John Presley	Angie Waters
Jacob Pumphrey	Amy Watkins
Logan Quinn	Marae Watkins
Nicholas Rackley	Karen Watson
Kayla Rasberry	Shelly Whaley
Rodney Rasberry	Mary Whatley
Terry (E.) Ray	Jill White
Shawana Reed	Mary White
Tara Richardson	Michael White
Richard Richerson	Victoria Whitehead
Cami Riggins	Laura Wilkerson
Pam Riggins	Matthew Wilkins
Brittany Roberson	Brooke Williams
Lesley Robertson	Kerri Williams
Margarita Rodriguez	Patricia Williams
Connie Rogers	Carla Williamson
Jennifer Rowsam	Douglas Williamson
Benjamin Sanders	Jessica Williamson
Anne Sands	Khadejah Willis
Timothy Servis	Marjorie Wilson
Amanda Sharpe	Michael Wilson
Heather Shaw	David Wingfield
Tammy Sims	Amy Womack
Sandra Smith	Marianne Woodard
Hannah Springer	Sage Woodham
Dorothy Standoak	Ty Woodson
Lauren Stirgus	Lillie Wright
Aaron Stohler	
Nancy Stone	
Brad Stout	
Brandon Stover	
Cledis Stuart	
Jeffrey Sumner	
Stephen Sutton	
Deana Taylor	
Gregory Taylor	
Steven Taylor	
Ellen Tinnell	
Trysta Tinsley	
Barbara Torrence	
Gordon Turner	
Tami Underwood	
Christopher Vann	

## Graduate Faculty

- Almotairi, Majed, 2019 Assistant Professor of Information Systems  
BEd, King Saud University; MS, University of East Anglia; DSc, Towson University
- Alroobi, Rami M., 2015 Assistant Professor of Computer Science  
BS, Islamic University; MA, University of Michigan; PhD, North Dakota State University
- Babbitt, Paul R., 2001 Associate Professor of Political Science  
A.B., Haverford College; M.A., Ph.D., Rutgers University
- Bhadauria, Vikram S., 2008 Assistant Professor of Management Information Systems  
B.S., M.S., MBA, Indore University, India; Ph.D., University of Texas at Arlington
- Bloss, Kim K., 1997 Dean, School of Graduate Studies; Dean, College of Education  
Professor of Counselor Education  
BS, MEd, Northern Arizona University; PhD, University of North Carolina at Greensboro
- Boyd, Jamie, 2010 Assistant Professor of Education and Director of Admissions, Field Experience and Licensure (AFEL)  
B.S. E., Southern Arkansas University; M.S. Walden University
- Cheng, Hong, 2000 Associate Professor of Mathematics and Computer Science  
B.S., East China Normal University; Ph.D., University of Louisiana at Lafayette
- Clark, James, 2002 Associate Professor of Marketing  
BSBA, MBA, University of Arkansas; DBA, Louisiana Tech University
- Cole, Kenneth, 1989 Instructor of Health, Kinesiology, and Recreation  
Head Athletic Trainer, B.S.E., M.S., Central Missouri State University
- Dingman, Steve, 1990 Chair, Department of Health, Kinesiology and Recreation  
Instructor of Health, Kinesiology, and Recreation  
B.A., Peru State College; M.Ed., Southern Arkansas University
- Dobbins, C. Neelie, 2010 Assistant Professor of Education  
B.A., M.Ed., University of Arkansas Little Rock; Ph.D., Walden University
- Green, Kenneth, Jr. 2009 Professor of Management  
B.S., University of Monticello; M.B.A., D.B.A, Louisiana Tech University



Guevara, Roger, 2005 Director of Education Renewal Zone (ERZ) and Assistant Professor of Educational Leadership  
 B.A., Texas Tech University; M.A., University of Texas at San Antonio; Ph.D., University of Texas at Austin

Hough, Christie B., 2011 Assistant Professor of Management  
 B.B.A., M.B.A., Mississippi State University; Ph.D., Jackson State University

Huang, Jingyang, 2014 Assistant Professor of Health, Kinesiology and Recreation  
 BA, Shanghai University of Sport; MS, East China Normal University; MS, West Virginia University

Kardas, Edward, Jr., 1980 Director of Honors College, Professor of Psychology  
 BA, University of Baltimore; MA, PhD, Louisiana State University

Langerbein, Helmut, 2013 Dean, College of Liberal and Performing Arts and Professor of History  
 BA, University of California, Santa Barbara; MA, California State University, Northridge; MA, PhD, University of California, Santa Cruz

Logan, Jennifer, 2007 Associate Professor of Economics and Director of the Center for Economic Education and Research  
 B.B.A., Ph.D., University of Oklahoma

McQuiston, James M., 2017 Assistant Professor of Political Science  
 BA, DePauw University; PhD, Kent State University

Moore, Copie, 2008 Associate Professor of Agriculture Science  
 BS, MS, Stephen F. Austin University; PhD, Texas A & M

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 BA, McNeese State University; MEd, Southern Arkansas University; EdD, Louisiana Tech University

Overholser, Amber, 2017 Assistant Professor Political Science, MPA Program Director  
 BS, Great Basin College; MS, Central Michigan; PhD, University of Nevada - Las Vegas

Pearson, Sheila, 1979 Associate Professor of Information Systems and Coordinator for Virtual Internship  
 BSE, MEd, Southern Arkansas University; EdS, University of Louisiana at Monroe

Plumlee, Gerald L., Jr., 1999 Associate Professor of Management, Director of Accreditation  
 BBA, MBA, University of Central Arkansas; EdD, University of Arkansas at Little Rock

Samples, Jessica, 2019 Assistant Professor of Education  
 BS, MEd, Southern Arkansas University; PhD, Walden University

Stanford, Angela, 2014 Assistant Professor of Education  
 BSE, MEd, Southern Arkansas University; EdS, PhD, Liberty University

Terrell, Vanda, 2015 Chair, Department of Counseling and Professional Studies  
 Assistant Professor of Library Media Science  
 BSE, MEd, Southern Arkansas University

Testa, Alec M., 2010  
 Assistant Professor of Counseling  
 BA, MS, California State University; EdD, University of Nevada

Toms, Suzy, 2016 Visiting Instructor of School Counseling  
 BSE, Southern Arkansas University; MS, Louisiana Tech

Warrick, Shane, 2002 Assistant Professor of Accounting  
 B.B.A., Southern Arkansas University; M.B.A., University of Arkansas at  
 Little Rock, C.P.A.; Ph.D., Jackson State University

White, George, 2010 Associate Professor of Health, Kinesiology and Recreation  
 BS, MEd, University of Louisiana, Monroe; EEd, University of Arkansas

White, Scott R., 2000 Chair, Department of Biochemistry and Chemistry  
 Associate Professor of Chemistry  
 BS, Harding University; MS, PhD, Purdue University

Wilson, Connie, 2016 Assistant Professor of Education  
 BSE, Med, Southern Arkansas University

Wilson, Deborah, 2003 Chair, Department of Behavioral and Social Sciences  
 Associate Professor of Psychology  
 BA, Arkansas Tech University; MS, University of Central Arkansas; PhD,  
 Walden University

Wise, Timothy D., 1993 Chair, Department of Management, Marketing and Information  
 Systems  
 Professor of Management and Marketing BA, MA, MBA, DBA, Louisiana  
 Tech University

Zhao, Xiaofeng, 2002 Chair, Department of Accounting, Finance and Economics  
 Associate Professor of Finance  
 BS, North China Electric Power University; MS, Beijing Polytechnic  
 University; PhD, Mississippi State University

### **Administration, Faculty and Staff Emeriti**

- Adams, Randall Henry, 1974-2008, Professor of Agriculture – Emeritus  
BS, MS, PhD
- Ashby, David, 1992-2015, Professor of Economics and Finance – Emeritus  
BBA, MBA, DBA
- Bates, Joe Alvin, 1965-2003, Professor of Psychology – Emeritus  
BS, MS, PhD
- Belmont, Anthony Michael, Jr., 1965-1996, Professor of English – Emeritus  
BA, MA, PhD
- Blanchard, Louis Johnson, 1956-1998, Professor of Accounting – Emeritus  
BBA, MBA, CPA
- Boaz, Ralph Scott, 1963-1993, Professor of Economics and Finance – Emeritus  
BA, MBA, PhD
- Brinson, Harold Thomas, 1976-1993, Distinguished Professor of Education, President –  
Emeritus  
BEd, MEd, PhD
- Brown, Kathryn Smith, 1945-1997, Professor of Kinesiology – Emerita  
BS, MS, EdD
- Callaway, Leland, 1963-1990, 1997, Professor of Office Administrative Services –  
Emeritus  
BBA, MBA, EdD
- Campbell, Robert Gordon, 1952-1987, Professor of Music – Emeritus  
BA, BM, MM, PhD
- Cole, R. H. “Bob” Jr., 1963-1991, Business Affairs Administrator – Emeritus  
BS
- Dodson, B C, 1961-1987, Dean, College of Science and Engineering – Emeritus  
BSE, MS, EdS, EdD
- Eichenberger, Rudolph J. 1982-2007, Professor of Physics – Emeritus  
BSE, MS, EdD
- Eichenberger, Sharon M., 1984-2002, Director of Development – Emerita  
BS, MA
- England, Daniel Ray, 1972-1999, Professor of Biology – Emeritus  
BSE, MSE, PhD
- Flemister, Ida Morris, 1966-1988, Professor of Psychology – Emerita  
BA, MA, MRE, EdD
- Haefner, Donald Andrew, 1967-1997, Vice President for Student Affairs – Emeritus  
BA, BSE, MA EdD
- Harton, Margaret Elizabeth, 1945-1975, Professor of Speech – Emerita  
BA, MA

Mallory, Kathleen Jordan, 1974-2010, Associate Professor of English– Emerita  
BA, MEd, PhD

Nelson, Donald R. 1988-2012, Professor of Education – Emeritus  
BS, MS, EdD

Peace, Alvarene Green, 1965-1993, Associate Professor of Economics and Finance –  
Emerita  
BS, MBA

Rankin, David F., 1968-2015, Professor of Finance and Economics – President Emeritus  
BSBA, MBA, PhD, CFA

Rasmussen, James. 1991-2012, Professor of Biology – Emeritus  
BA, MNS, PhD

Robison, Henry Welborn, 1971-2008, Distinguished Professor of Biology – Emeritus  
BS, MS, PhD

Sixbey, David Harold, 1968-1998, Professor of History – Emeritus  
BA, MAT

Souter, Gisèle Edith, 1975-1995, Associate Professor of Foreign Languages – Emerita  
BA, MA

Thomas, Ann Keese, 1966-1993, Professor of Psychology and Counselor Education –  
Emerita  
BS, MEd, PhD

Tollett, James T., 1990-2009, Professor of Agriculture – Emeritus  
AA, BSA, MSA, PhD

Trexler, Anna Ruth, 1963-2010, Professor of Management and Business  
Communications – Emerita  
BS, MS, EdD

Walz, Robert B., 1958 -1987, Professor of History – Distinguished Professor – Emeritus  
BA, MA, PhD

White, Gayle Webb, 1966-2010, Distinguished Professor of Management, Turner  
Professor of Management – Emerita  
BSE, MBE, EdD

Williams, Patsy Joyce, 1968-1995, Associate Professor of Nursing – Emerita  
BSN, MEd

Willis, James, 1969-2013, University Historian and Professor of History and Political  
Science – Emeritus  
BA, MA, PhD

### **Distinguished Professors**

- Brinson, Harold T., 1976-1995, President, Distinguished Professor of Education  
AA, BEd., MEd, PhD
- Davis, Elizabeth, 1981-2011, Distinguished Professor of English  
Chair, Department of English and Foreign Languages  
BA, BM, MA, EdD
- Johnson, Ben F., III, 2001 John G. Ragsdale, Jr. and Dora J. Ragsdale Professor of  
Arkansas Studies, Distinguished Professor of History and member of the  
School of Graduate Studies faculty  
BA, MS, MS, Texas A & M University - Commerce; PhD, University of  
Arkansas
- Kardas, Edward, Jr., 1980, Distinguished Professor of Psychology, Director of Honors  
College, and member of the School of Graduate Studies faculty  
BA, University of Baltimore; MS, PhD, Louisiana State University
- Robison, Henry Welborn, 1971-2008, Distinguished Professor of Biology - Emeritus  
BS, MS, PhD
- Sixbey, George, 1963-1976, Distinguished Professor of English  
Chair, Division of Humanities  
BA, MA, PhD
- Stinson, Terrye, 1980 Distinguished Professor of Accounting  
L.J. Blanchard Professor of Accounting and member of the School of Graduate  
Studies faculty  
BBA, MBA, DBA, CPA
- White, Gayle Webb, 1966-2010, Distinguished Professor of Management, Turner  
Professor of Management  
BSE, MBE, EdD

List of Chief Administrators

D. J. Burleson	January-June 1911	Dolph Camp	1950-1959
H. K. Sanders	1911-1913	Imon E. Bruce	1959-1976
W. S. Johnson	1913-1914	Harold T. Brinson	1976-1991
E. E. Austin	1914-1921	Steven G. Gamble	1992-2001
Charles A. Overstreet	1921-1945	David F. Rankin	2002-2015
Charles S. Wilkins	1945-1950	Trey Berry	2015-Present

#### SAU Buildings & Grounds

Southern Arkansas University's main campus is located on approximately 160 acres along the northern border of Magnolia, Arkansas. In addition to the main campus, the SAU farm and Department of Agriculture jointly utilize over 1,600 acres as a working farm and student laboratory. The main campus buildings are predominantly brick structures that provide 1,355,531 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 Agriculture Building** is a 30,000-square-foot, state of the art facility that includes classrooms, lecture hall, animal science labs, soils labs, horticulture and plant science labs and feed/chemistry labs. The building is outfitted with the latest virtual electronic management equipment for the agriculture disciplines. Construction of greenhouses and head house was recently finished and the installation of hydroponic equipment and orchards is ongoing. A new 5,000 square foot shop is scheduled for construction during the next school year.

**The Agricultural Education Building** is a 5,000-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 Alumni Center**, formerly the president's home, is a modern-style facility of brick and glass located picturesquely on a landscaped lot overlooking the main campus. It is the focal point for various campus functions. The Alumni Center also provides a relaxed atmosphere for guests and visitors to our campus. It currently houses the Office of Alumni Affairs.

**The Auburn Smith Field House** this recently renovated 5,000-square-foot facility provides offices and training facilities for the Mulerider football program.

**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 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 and guest artists.

**The Watson-Brown Center** built of brick, tile, and concrete, houses a gymnasium seating approximately 1,750 people, an auxiliary gymnasium, an indoor pool meeting AAU standards, an athletic training facility, a physical therapy center, a kinesiology laboratory, 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** currently provides the following facilities: University of Arkansas Archaeology Survey Station and Museum; Encore program; and the Talent Search and Upward Bound program suites. In the spring of 2008 the Mulerider Sports Club complete with a computer lab study area and eight flat screen televisions on various sports channels was added. During the summer of 2012, a portion of the upper floor was converted to a food court that includes Chick-fil-A, Grille Works

and Subway. Also, adjacent office space was converted to a private eating/meeting area named the University Club.

**Blanchard Hall** is a spacious brick structure with two computer labs, four seminar rooms, 10 lecture classrooms, and the offices of the Rankin College 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 video graphic 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** provides several university classrooms and contains offices and support facilities for the University Police, and the Science Technology Engineering and Mathematics (STEM) program.

**Couch Memorial Natural Area** was donated to Southern Arkansas University in 2002. This is a 33-acre site is approximately three miles east of the main campus. It is a nature area that has developed from previous agricultural and timber production for ecological studies.

**Cross Hall** which was renovated with new carpet and paint this past year, houses faculty offices for the College 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.

**Dawson Field** includes two complete fields with bleachers. It was renovated to a concession stand, ticket booths, coaches' offices, player locker room, additional bleachers and lighting.

**Dolph Camp** was renovated and enlarged in December 2001 to provide a new home for University Technology Services. The structure also houses a recital hall, seating 128 people, equipped with a grand piano, a harpsichord, and a baroque pipe organ.

**Engineering** is a Twenty eight thousand square feet of combined lecture, laboratory and office space opened in Fall 2016 to house the engineering, engineering technology, and, industrial technology programs. The engineering facility will contain dedicated laboratories for solid mechanics, chemical engineering, thermal fluids, senior design, and advanced physics. In addition to the labs, offices, and classrooms there will be a three bay shop that will include mills, lathes, CNC, welding bays and other typical shop equipment.

**Faculty Housing** includes one apartment, one duplex, and seven detached houses that serve as temporary housing for incoming 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 University recently received an \$119,000 grant that will provide significant upgrades to this historic site and structure.

**SAU Global Center** is a 5,027-square-foot, multipurpose facility that houses the International Student Services Office and provides a "home-like" atmosphere for students. The first floor consists of an open-concept activity area containing a snack bar with café tables, comfortable living room area, small stage for musical performances or presentations, and a billiard area. In addition, there is a large conference room, office



suite, and a full-size kitchen that is used for special occasions. The second floor houses a computer lab and a study room for students.

**Harton** houses the offices, classrooms, and workrooms of the Department of Performing Art and Mass Communication and the 460-seat Margaret Harton Theatre, which faces the central quadrangle.

**Governor Ben T. Laney Farm** was acquired by the University on December 16, 2005. Located approximately a half-mile north of the main campus, the 650.29 acres was formerly the family farm of Arkansas Governor Ben T. Laney and his wife, Lucille. It was obtained through a purchase and trust arrangement that transferred the title of the property to the SAU Foundation. The land is primarily used by the Department of Agriculture, and the University plans to move many elements of the current SAU farm to the new property, including hay meadows, grazing pastures, dairy functions and broiler houses.

**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 centrally located learning resource center containing around 145,000 book volumes. The library has many comfortable study areas and study rooms. The library offers 127 desktop computers (84 in open labs and 43 in library instruction labs) and 14 laptop computers for student usage. The library has two library instruction labs on the third floor. The library collection also includes 9,822 audiovisual pieces, 32,234 microfilm and microfiche pieces from 96 titles, 73 online subscriptions to journals, 27,437 government documents, and current subscriptions to 272 print periodicals, 2,566 e-books, three e-reference book databases, over 9,000 online streaming academic videos, and online full-text access to 50,736 periodical titles from 84 databases with indexing and abstracts for additional titles. The library website includes information literacy videos. Online access to library resources is available through the library homepage at <http://web.saumag.edu/library/>. Students can use a federated search service at the library's website that will search most of Magale's electronic resources simultaneously.

**The Ted Monroe Farm** was donated to the University by Mr. Ted Monroe. The 400-acre facility is located on the Red River approximately 50 miles due west of Magnolia. The land will be farmed by the SAU Farm Department and will be used as a row-crop teaching lab by the Department of Agriculture.

**Mulerider Activity Center** is a 30,000-square-foot facility located in the center of campus and provides a base for a broad array of student activities. Major components include: multi-sport gym (basketball, volleyball, etc.), indoor walking track, weight and exercise rooms, studio space for dance, exercise, etc.: game rooms for arcade, Wii systems and the like, meeting rooms, concessions and more.

**Mulerider Stables** is a 14,000-square-foot state-of-the-art equine boarding facility providing accommodations for 60 livestock and is used by the SAU Rodeo Team.

**Mulerider Pointe Apartments** are available to juniors, seniors, and graduate students. Mulerider Pointe Apartments has 16 two-bedroom and 8 one-bedroom apartments. Each

apartment has fully furnished bedrooms, living room, and kitchen. Each bedroom two twin size beds, chest of drawers, and closet. The kitchen features an electric range/oven, dishwasher, and refrigerator. A laundry room and swimming pool are located on the grounds.

**Natural Resource Research Center** is a \$2 million, 3,800-square-foot facility that was completed in July of 2010 and features state-of-the-art research and laboratory capability. It provides the tools to develop and promote local natural resources such as lignite, petroleum and bromine, but also serves as a teaching and training facility for student development and research techniques. It also provides an excellent opportunity for faculty research and development.

**Nelson Hall** renovated this past year with new carpet and paint, is a two-story building, which houses administrative offices. Included are the Office of the Dean of Liberal and Performing Arts, the Communications Center, Graduate Studies, the Office of the Registrar, the Office of Institutional Effectiveness, and the English as a Second Language Office.

**The Oliver Band Hall** is a 12,600-square-foot facility located on Crescent Drive and was completed in 2008. It provides a 4,500-square-foot primary state-of-the-art rehearsal hall, a 1,825-square-foot secondary rehearsal hall, four teaching studios and spacious storage areas for instruments and uniforms.

**Overstreet Hall** fronts the campus with a pillared, colonial facade. A three-story building, it houses the chief administrative offices of the University along with the Office of Financial Services on the first floor. The Office of Admissions, and the Academic Advising and Assistance Center are located on the second floor. The third floor houses state-of-the-art theatre/mass communications classrooms and laboratories as well as a new home of the Office of Financial Aid

**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 20th century. It is an exceptionally well-built and well-preserved example of the board-and-batten box construction.

**J. M. Peace Hall** is a two-story building, renovated in 2000, and it is located on the east side of the campus. It is the current home of the Department of Behavioral and Social Sciences.

**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 more than 4,000 points of energy conservation and remote monitoring.

**Donald W. Reynolds Campus and Community Center** provides an array of facilities and services to SAU students, staff, faculty and the greater Southwest Arkansas community. With over 76,000 square feet of space, the center includes a 450 seat cafeteria, 500 seat ballroom, 200 seat theater/lecture hall, 30 seat formal dining and reception room, post office, bookstore, coffee shop, commuter lounge, and many conference and meeting rooms all equipped with the latest audio visual technology. Departmental offices are provided for Multicultural Affairs, Career Services, Counseling Center, Testing Center, Disability Support Services, Housing, University Health Services,

Student Activities, Student Government Association, Student Life, and student organization offices.

**The Ribble Strength Training Facility** is a 5,000 square foot state-of-the-art, multi-sport complex that was completed in the summer of 2011. This facility is outfitted with the latest weight training equipment designed to enhance the student athlete experience to the greatest extent possible.

**Story Arena and the FB&T Reception Center** is SAU's most recent addition. It includes an 80,000 square foot arena that will seat 1,150 and a 6,800 square foot reception center that will provide a concession stand, conference rooms, ticket booths, business offices and rest room facilities. It is anticipated that the arena will house rodeos, knife and boat shows, concerts, community events and the like.

**Student Housing** is provided in seven modern residence halls. The newest additions, Honors Hall North and Fincher Hall, provide suite-style living quarters for approximately 180 residents.

**Tennis Courts** are located by the physical education building. These 10-lighted courts are available for free play when not scheduled for classes and tournaments.

**University Court Apartments** are available to SAU students with families, i.e., single parents, or married couples with children. There are 18 furnished two-bedroom, one-bath family units available year-round. The laundry room is in a common area. Parking is available.

**University Hall** was opened in August 2013. Luxurious, suite-style units with two bedrooms and a bath are available for sophomore residents. Priority is given to students with interests in recycling, wellness, and/or paying-it-forward initiative. UH residents will share the amenities provided by the University Village, i.e., clubhouse, pool, and centralized laundry.

**University Science Center** is a 60,000-square-foot facility that was completed in March of 2010. This state-of-the-art structure provides a new home for SAU's Biology, Chemistry and Physics disciplines, and is outfitted with the latest labs, instrumentality and research equipment available. It is the most advanced teaching facility of its type in the greater southwest Arkansas region. The College of Science and Engineering recently added an engineering curriculum and will complete a new 5,000 square foot hands-on lab, which will be outfitted with state of the art training technology.

**University Village** provides affordable student housing with quality, suite-style housing for juniors, seniors, graduate students, single parents, and married students. The complex consists of six apartment buildings and a clubhouse totaling more than 100,000 square feet of space. There are a total of 84 units consisting of 48 four-bedroom and 36 two-bedroom suites. All are completely furnished and are complete with living room, bathroom, and kitchen accommodations. Occupants enjoy a luxurious lifestyle with a clubhouse that provides a pool, convenience store, weight room, student lounge, centralized laundry, and meeting areas. All basic utilities are provided and each resident is assigned a near-by parking space. A new 30' x 60' outdoor pavilion was added this past year to provide shelter for outdoor events as well as storage.

**Walker Stadium at Goodheart Field** is the home of the Mulerider baseball team. This 5,000-square-foot facility includes locker rooms, staff offices, concession stand,

restrooms; a media broadcast center and additional parking. SAU has a highly successful baseball program that has earned 10 Arkansas Intercollegiate Conference titles and 2 Gulf South Conference titles and 5 Great American Conference titles.

**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** was recently renovated and enlarged to its current 25,000-square-foot area, which provides state of the art classrooms, demonstration and clinical laboratories, tutorial labs and other clinical training facilities. Additional plans are underway to increase the clinical testing areas.

**Wilkins Stadium**, with seating for 6,000 persons, a press box, and dressing rooms in the Auburn P. Smith Field House, is a facility completely equipped for football. In 2015, the field was named Rip Powell Field to honor legendary coach Rip Powell. In the summer of 2016, Rip Powell field at Wilkins Stadium saw the addition of new artificial turf and LED lighting.

**Wilson Hall**, a classroom and laboratory building of brick, steel, and glass, was completed in 1970. The first floor houses computer labs and classrooms. The second floor houses offices, classrooms, and laboratories for mathematics and computer science. A lecture hall is also located in the second floor. The third floor consists of offices and classrooms for English, foreign languages, and philosophy; a sophisticated language laboratory; and an electronic learning center.

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#### Policies Disclaimer

This catalog contains information which was accurate at the time of completion. However, administrative requirements, regulations, fees, programs of study, and individual courses are regularly revised, and the catalog information is subject to change. Students are expected to keep themselves informed concerning current requirements, policies, and program requirements in their fields of study and must meet all requirements of the degree programs in which they are enrolled. Courses which are modified or added to a curriculum at a level beyond that at which a student is enrolled may become graduation requirements for that student. Courses which are incorporated into the curriculum at a lower level than the one at which the student is enrolled are not required for that student.

#### **Notice of Non-Discrimination**

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.

#### **Family Educational Rights and Privacy Policy**

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 116.

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, university e-mail address, major field of study, participation in officially recognized 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 116, 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.





# Southern Arkansas University Magnolia

Undergraduate Catalog  
2020-2021



**Volume XCIV**

**Number 1**

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### **Student Responsibility**

It is the responsibility of the student to review the rules, regulations and policies of the University undergraduate catalog. The University reserves the right to make changes to policies herein as circumstances deem necessary. The current version of the University catalog can be found at [www.saumag.edu](http://www.saumag.edu).

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## **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 provides an environment conducive to excellence in teaching and learning, scholarship, creative endeavors, and service.

Revised 2016

# Welcome to SAU

## Information

Academic Programs .....	Vice President for Academic Affairs
Admission and General Information .....	Assistant Vice President for Enrollment Services
Alumni Affairs .....	Director of Alumni Relations
Business Affairs .....	Vice President for Finance
Continuing Education and Extension	
Courses.....	Coordinator of Continuing Education
Evaluation of Credits, Transcripts, and Veterans Affairs .....	Registrar
Gifts.....	Vice President for Advancement
Graduate Studies .....	Dean of Graduate Studies
Housing.....	Dean of Housing
Financial Aid.....	Director of Financial Aid
International Admissions.....	Assistant Vice President for Enrollment Services
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 Counseling Center
Student Employment.....	Director of Career Services
Student Teaching.....	Director of Field Experiences, College of Education
University Administration.....	President

## Visitors

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

- Temporary parking permits can be obtained from the University Police.
- Visitors should contact the Office of Admissions (for undergraduate information) at (870) 235-4040 or the School of Graduate Studies (for graduate information) at (870) 235-4150 for an appointment or for further information.
- The 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](http://www.saumag.edu).



## **The Southern Arkansas University System**

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

Southern Arkansas University is a quality, comprehensive, regional university located in Magnolia, Ark. SAU provides quality four-year undergraduate programs offering baccalaureate degrees, associate degrees, and selected master's degrees. Other information, including this catalog, is available at the website: [www.saumag.edu](http://www.saumag.edu).

Southern Arkansas University Tech is located in East Camden, Ark. It is a two-year comprehensive college specializing in technical training and offers the first two years of a university transfer program. Further information is available at the website: [www.sautech.edu](http://www.sautech.edu).

## University Calendar

**2020-2021**

### Fall 2020

August 10	Monday	Late Registration, Advising and Mulerider Round Up
August 11	Tuesday	Late Registration and Advising
August 11	Tuesday	Classes begin
August 14	Friday	Last date to apply for December graduation
August 18	Tuesday	Last date of entrance and course additions
September 7	Monday	Labor Day Holiday Virtual class meeting day
September 28	Monday – 10:00 am	Mid-semester grades due in the Office of the Registrar
October 21	Wednesday	Last date for dropping courses
October 21	Wednesday	Last date for withdrawing from the University without punitive grade
October 26	Monday	Last date to change <i>I</i> grades in the Office of the Registrar
November 17	Tuesday	Final examinations begin
November 20	Friday	Semester ends
November 21	Saturday	Commencement
November 30	Monday – 10:00 am	Final grades due to Registrar

### Fall Intersession 2020

November 30	Monday	Late Registration and Advising
December 1	Tuesday	Fall intersession classes begin
December 16	Wednesday	Last date for dropping courses
December 16	Wednesday	Last date for withdrawing from the University without punitive grade
December 31	Thursday	Fall intersession classes end
January 4	Monday – 10:00 am	Final grades due to Registrar

### Spring 2021

**\*Updated during Fall 2020 due to COVID-19**

January 11	Monday	Late Registration and Advising
January 12	Tuesday	Late Registration and Advising
January 13	Wednesday	Late Registration with penalty
January 13	Wednesday	Classes begin
January 15	Friday	Last date to apply for May graduation
January 18	Monday	Martin Luther King, Jr. Holiday
January 21	Thursday	Last date of entrance and course additions
March 5	Friday	Virtual Class Day
March 8	Monday – 10:00 am	Mid-semester grades due in the Office of the Registrar
March 31	Wednesday	Last date for dropping courses
March 31	Wednesday	Last date for withdrawing from the University without punitive grade
April 2	Friday	No Classes
April 19	Monday	Last date to change <i>I</i> grades in the Office of the Registrar
April 26	Monday	Final examinations begin
April 29	Thursday	Semester ends
April 30	Friday	Commencement
May 3	Monday – 10:00 am	Final grades due to Registrar

### Spring Intersession 2021

**Tentative – Dates are subject to change**

May 6	Thursday	Last date to register for Spring intersession classes
May 10	Monday	Spring intersession classes begin
May 13	Thursday	Last date for dropping courses
May 13	Thursday	Last date for withdrawing from the University without punitive grade
May 21	Friday	Spring intersession classes end
May 24	Monday – 10:00 am	Final grades due to Registrar

**Summer 2021  
First Term  
Tentative – Dates are subject to change**

May 24	Monday	Advising and registration
May 25	Tuesday	Classes Begin
May 26	Wednesday	Last date of entrance and course additions
May 31	Monday	Memorial Day
June 4	Friday	Classes meet to make-up for Memorial Day
June 9	Wednesday	Last date for dropping courses
June 9	Wednesday	Last date for withdrawing from the University without punitive grade
June 24	Thursday	First summer term ends
June 28	Monday – 10:00 am	Final grades due to Registrar

**Summer 2021  
Second Term  
Tentative – Dates are subject to change**

June 28	Monday	Advising and registration
June 29	Tuesday	Classes begin
July 30	Wednesday	Last date of entrance and course additions
July 5	Monday	Independence Day Holiday Observed
July 9	Friday	Classes meet to make-up for Independence Day
July 14	Wednesday	Last date for dropping courses
July 14	Wednesday	Last date for withdrawing from the University without punitive grade
July 29	Thursday	Second summer term ends
July 30	Friday	Commencement
August 2	Monday – 10:00 am	Final grades due to Registrar

## University Calendar for 7-Week Terms 2020-2021

### Fall 2020

August 11	Tuesday	Classes begin (1st 7-weeks)
August 13	Thursday	Last day for course additions (1st 7-weeks)
September 7	Monday	Labor Day Holiday
		Virtual class meeting day
September 9	Wednesday	Last date to drop 1st 7-weeks courses
September 29	Tuesday	Classes end for 1st 7-weeks; Final exams
September 30	Wednesday	Final grades due to Registrar by 10:00 a.m.
September 30	Wednesday	Registration for 2nd 7-weeks
October 1	Thursday	Second 7-weeks classes begin
October 5	Monday	Last day for course additions (2nd 7-weeks)
October 30	Friday	Last day to drop 2nd 7-weeks courses
November 17	Tuesday	*Final examinations begin

\*Second 7-weeks courses follow the traditional final examination and grade submission schedule.

### Spring 2021

#### Tentative – Dates are subject to change

January 13	Wednesday	Classes begin (1st 7-weeks)
January 15	Friday	Last day for course additions (1st 7-weeks)
January 18	Monday	Martin Luther King Jr. Holiday
February 10	Wednesday	Last date to drop 1st 7-weeks courses
March 2	Tuesday	Classes end for 1st 7-weeks; Final exams
March 3	Wednesday	Final grades due to Registrar by 10:00 a.m.
March 4	Thursday	Registration for 2nd 7-weeks
March 5	Friday	Registration for 2nd 7-weeks
March 8	Monday	Second 7-weeks classes begin
March 10	Wednesday	Last day for course additions (2nd 7-weeks)
April 2	Friday	No Classes
April 7	Wednesday	Last day to drop 2nd 7-weeks courses
April 26	Monday	*Final examinations begin

\*Second 7-weeks courses follow the traditional final examination and grade submission schedule.

## **Southern Arkansas University in Profile**

### **Enrollment**

Southern Arkansas University has an enrollment of approximately 4,475 students. In the fall 2019 semester, there were 3,586 undergraduate students and 889 graduate students.

### **Faculty**

Southern Arkansas University faculty are recognized experts in their fields, with many having national and international reputations as scholars and researchers. In order to maximize interaction between students and faculty, SAU maintains small class sizes in most academic programs.

### **Library**

The Magale Library is a center for scholarly activity at SAU. The library's collections include approximately 143,000 volumes, 14,000 audio-visual titles, 374,000 microfilm and microfiche pieces, 55,000 government documents, 372 periodical subscriptions, 168,000 e-books from 12 digital libraries, 97,000 online streaming academic videos, and online full-text access to 116,000 periodical titles from over 185 databases with indexing and abstracts for additional titles. The library provides additional study resources including 108 desktop computers in open labs, 16 laptop computers, 20 computer study rooms, 9 multimedia study rooms, and 2 labs for library instructional purposes with 44 and 17 desktop computers. Magale Library staff provides face-to-face and electronic library research assistance, instructional class sessions, online video tutorials, and library guides to assist users with their information needs. The library also hosts many educational and cultural events throughout the year. Online access to library resources is available through the library homepage at <http://web.saumag.edu/library/>.

### **Honors College**

Southern Arkansas University's Honors College provides courses with small class sizes that challenge and inspire students to achieve their fullest academic and intellectual potential. Students are admitted based upon a global assessment of academic potential. ACT scores, high school GPA, required submitted essays, letters of recommendation and other relevant information are examined. Students must complete an online application and provide two letters of recommendation and two essays. One essay should be from high school class work; the other should say why they wish to enroll in the Honors College. SAU students who have a college grade point average of 3.50 or higher may also apply for admission. Other criteria may also be used to determine eligibility. Once accepted into the Honors College, students will enroll in honors general education courses created especially for them with small class sizes.

Honors College students must complete no less than 24 hours of honors courses. They must complete a minimum of nine hours (including HC 1003, Honors Seminar) of general education honors courses and may complete a maximum of 15 hours of general education honors courses. To complete their required honors hours they may take six to 15 hours of honors upper division courses. These courses need not be in their major. Honors students may take more than 24 total honors hours if they meet the requirements for general education and upper division course distribution. These academic accomplishments will be acknowledged on the transcripts and diplomas of Honors College graduates. Their academic achievement will also be recognized at graduation.

Honors College students are awarded a \$600 stipend per academic year.

For more information about the Honors College at Southern Arkansas University, contact the Honors College at [epkardas@saumag.edu](mailto:epkardas@saumag.edu), (870) 235-4375, or (870) 904-8897

### **Residential College**

The Residential College is a selective living/learning community designed for freshmen students that focuses on students' academic and personal success through leadership development, citizenship, and service learning. To be eligible for the program, a student must be a beginning freshman, have a composite ACT score of at least 22, and have leadership/volunteer experience in high school. RC students also enroll in courses together during their first year at SAU and take an active role in planning and initiating activities and service projects in their residence hall and across campus. Members of the RC may apply to be a part of the Sophomore Residential College after their first year at SAU.

### **Accreditation**

Southern Arkansas University is accredited by the following entities:

AACSB International  
The Association to Advance Collegiate Schools of Business  
777 South Harbour Island Boulevard, Suite 750  
Tampa, FL 33602  
(813) 769-6500  
[www.aacsb.edu](http://www.aacsb.edu)

The Higher Learning Commission  
30 North LaSalle Street, Suite 2400  
Chicago, IL 60602-2504  
(312) 263-0456 or 800-621-7440  
[www.ncahlc.org](http://www.ncahlc.org)

The Council for the Accreditation of Education Preparation (CAEP)  
1140 19<sup>th</sup> Street N.W.  
Suite 400  
Washington, D.C. 20036  
(202) 223-0077  
[www.caepnet.org](http://www.caepnet.org)

Accreditation Commission for Education in Nursing, Inc. (ACEN)  
3343 Peachtree Road NE  
Suite 850  
Atlanta, Georgia 30326  
(404) 975-5000  
[www.acenursing.org](http://www.acenursing.org)

National Committee for Accreditation of Coaching Education (NCACE)  
364 Patten Drive #272  
Morgantown, WV 26505  
[www.uscoachexcellence.org](http://www.uscoachexcellence.org)

Council on Social Work Education  
1725 Duke Street, Suite 500  
Alexandria, VA 22314-3457  
(703) 519-2058  
[www.cswe.org](http://www.cswe.org)

Commissions on Accreditation of Athletic Training Education  
6836 Austin Center Blvd, Suite 250  
Austin, TX 72731-3193  
Phone – (512) 733-9700  
Fax – (512) 733-9701  
www.caate.net

National Alliance of Concurrent Enrollment Partnerships (NACEP)  
P.O. Box 578  
Chapel Hill, NC 27514  
(909) 593-5205  
www.nacep.org

**Memberships**

SAU holds memberships in the following national organizations:

The Higher Learning Commission  
American Council on Education  
American Association of Colleges for Teacher Education  
American Association for Higher Education and Accreditation  
American Association of University Women  
The Association to Advance Collegiate Schools of Business International  
Conference of Southern Graduate Schools  
National Association of Schools of Music  
National Collegiate Athletic Association  
National Collegiate Honors Council  
National Commission on Accrediting  
Council for the Accreditation of Educator Preparation/ National Council for the  
Accreditation of Teacher Education  
National Council of Educational Opportunity Associations  
National League for Nursing  
United States Center for Coaching Excellence



### **An Endowment**

*The Southern Arkansas University Foundation, Inc., Endowments: The Key to Progress.*

Endowments create a financial bridge for students in need, enhance academic and athletic offerings, and ensure that programs and facilities are able to meet increased curriculum and technology demands. Individuals, businesses, and civic organizations have established over 800 endowments to strengthen the University through Southern Arkansas University Foundation, Inc. These endowments provide a steady stream of income that supports students, faculty, and programs regardless of the ebb and flow of state funding and grants.

As a perennial funding resource for the University, endowments are indispensable to excellence. In fact, the size of an endowment is considered a measure of institutional health because it reflects the value that donors place on the institution. Endowment gifts from alumni and friends ensure SAU's progress.

Created in accordance with the wishes of the donors and the needs of the University, endowments present a special opportunity to commemorate one's own affection for SAU or to honor or memorialize a family member, special teacher, or other individual with a permanent fund that provides a named gift each year. The Foundation works with donors to create opportunities in areas of the donor's greatest interest, including a specific school, department, or other campus entity.

State appropriations now provide less than 25 percent of the University's budget, making endowments critical for the pursuit of excellence. We ask you to consider beginning your endowment today. Call SAU Foundation at 877-235-7409 and ask for the Endowment Worksheet, visit us at [www.saufoundation.org](http://www.saufoundation.org), or call 870-235-4991 to visit with the executive director.

### **Athletics**

SAU sports activities encompass individual and team events. Varsity teams compete in the NCAA Division II Great American Conference with men's competition in baseball, basketball, cross-country, football, golf, tennis, and track and women's competition in basketball, cross-country, golf, softball, tennis, track, and volleyball. Men's and women's rodeo teams also participate in intercollegiate competition. The University sponsors intramural activities throughout the year.

### **Entrance Requirements**

Southern Arkansas University is committed to student success and will provide admission opportunities utilizing multiple measures of academic preparedness. Admission to SAU undergraduate and graduate programs is selective. Prospective students should consult the specific academic program of their choice regarding specific program admissions requirements. Applicants for admission to all undergraduate academic programs at SAU must submit to the SAU Office of Admissions documentation of high school graduation or completion of the General Educational Development (GED) Certificate, American College Test (ACT) scores, and documentation fulfilling all other admission application requirements.

### **Degree Programs**

#### **Associate:**

Agricultural Science  
Business Administration

Chemistry  
University Studies

**Baccalaureate:**

Accounting

Agricultural Business

Agricultural Education

Agricultural Science:

Animal Science Option

Plant Science Option

Poultry Science Option

Pre-Veterinary Option

Biology:

Science Option

Marine Biology

Pre-Health

Wildlife & Conservation Biology

Plan II-Professional 3+2 Program

Business Administration

Finance: Entrepreneurial Finance

Finance: Financial Analysis

Finance: Financial Planning

General Business

Entrepreneurship

Information Systems

International Business

Management

Marketing: Media Option

Marketing: Retailing Option

Marketing: Sales option

Chemistry:

Entrepreneurship Option

Environmental Toxicology Option

Forensic Science Option

Medical Laboratory Science Option

Plan II-Professional 3+2 Program

Pre-Health Professional

Biochemistry Option

Science Option

Computer Science:

Computer Science Option

Computer Game and Animation

Design Option

Cyber Security and Privacy Option

Criminal Justice

Cyber Criminology

Elementary Education K-6

Elementary Education K-6 STEM

Engineering

Engineering-Physics:

Chemical Engineering Option

Engineering Technology Option

Industrial Technology Option

Mechanical Engineering Option

Science Option

Exercise Science

Fine Art:

Communication Design

Gaming, Animation and

Simulation Design

Interactive Media and Marketing

Pre-Art Therapy

Studio Art

History

History – Social Studies Education

Mass Communication: Mass Media

Mathematics

Mathematics with a Minor in Education

Middle School Education

Middle School Education STEM

Modern Languages:

Comparative Literature

English

English Education

English: Writing Option

Foreign Language

Spanish

Spanish Education

Nursing

Performing Arts:

Music Education

Music Performance

Music with Studies in Business

Musical Theatre

Theatre

K-12 Physical Education and Health

Political Science

Psychology

Public Health

Social Work

Sport Management:

Athletic Administration Option

Coaching Option

Sports Information Option

University Studies

**Minors:**

Accounting	Horticulture
Africana Studies	Information Systems
Agricultural Industries	Juvenile Justice
Animal Science	Management
Art History	Marketing
Asian Studies	Mass Media
Biological Science	Mathematics
Chemistry	Military Science and Leadership
Communications Design	Music
Computer Science	K-12 Physical Education and Health
Criminal Justice	Physics
Digital Photography and Film	Plant Science
Economics	Political Science
Education	Psychology
English	Philosophy and Religious Studies
Entrepreneurship	Public Health
Exercise Science	Social Work
Finance	Sociology
French	Spanish
Game Design	Sport Management
General Business	Studio Art
Geography	Theatre
Health Education	Writing
History	

**Certificates:**

Teaching with Technology	Web Design/UX/UI
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**Pre-professional Programs:** Southern Arkansas University offers the prerequisite requirements for many pre-professional programs. Please consult with an advisor about course options and related degree options. Potential options include pre-architecture; pre-chiropractic; pre-dental hygiene; pre-dentistry; pre-engineering; 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; and pre-veterinary science.

**Professional Programs:** CPA; CMA; RN-BSN; BSN; Professional Education programs.

**School of Graduate Studies**

The mission of the Southern Arkansas University School of Graduate Studies is to prepare individuals for positions of leadership in a variety of professions by providing advanced and specialized education. The curricula and instructional technologies are designed to meet the needs of students and to prepare them to compete in a diverse and dynamic society.

For more information about the School of Graduate Studies, please see our Graduate Catalog available at <http://www.saumag.edu/graduate/>.

**Degree Programs**

Graduate study is offered in the following areas leading to the master's degree: business administration (MBA) (includes optional agri-business, social entrepreneurship, and supply chain management emphasis areas); mental health and clinical counseling (MS);

master of arts in teaching (MAT); higher, adult, and lifelong education (MEd); college counseling and student affairs (MEd); school counseling (MEd); educational leadership (building administrator P-8/7-12, also non-degree district administrator and curriculum administrator licensure programs available) (MEd); elementary and secondary education (MEd) with emphasis in curriculum and instruction; education with special education or gifted and talented focus options; kinesiology-coaching (MS); library media and information specialist (MEd); master of science in computer and information science (MCIS) (includes optional cyber security and privacy, data science, and information technology options); master of public administration (MPA) (includes optional social entrepreneurship emphasis area); and master of science in agriculture (MS)

#### **Student Activities**

SAU has 60 registered student organizations active in campus activities and functions, including a total of nine national sororities and fraternities. For more information, contact the Office of Student Activities at (870) 235-4925.

#### **Student Housing**

SAU has men's, women's and co-ed residence halls as well as the University Village and University Court Apartments. Students should contact the Office of Housing for information by calling (870) 235-4047.

#### **General Information**

Southern Arkansas University is located in Magnolia, which has a population of 11,577. Magnolia is approximately 55 miles east of Texarkana, 80 miles northeast of Shreveport, and 140 miles south of Little Rock. 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 General Assembly 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.

## **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
3. High school transcript or GED certificate showing graduation date

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

1. Medical immunization forms
2. Other information as requested by the Office of Admissions

An application for a residence hall room, along with a \$100 deposit, must also be submitted by those students required and/or choosing to live in campus housing.

Unconditional Admission 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 graduated 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 their graduating class will be conditionally admitted to Southern Arkansas University. Admitted students that have an ACT composite score below 15 must meet **conditional prep status** as defined by ACT 1184 of 2011 (Arkansas Code Annotated 6-60-208.) **SAU does not admit degree-seeking students using an ability to benefit assessment.**

Conditional Admission requires completion of 12 semester hours of core academic courses and any necessary remedial courses with a cumulative grade point average of 2.00 within the first 30 semester hours. 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 all developmental courses they are required to take in a regular and consistent manner. 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 during the first semester (transitional mathematics and intermediate algebra cannot be taken concurrently).

ENGLISH PLACEMENT EQUIVALENT CHART			
	Composition I	Composition I/Lab	Fundamentals of Writing
English ACT	22+	15-21	0-14
Accuplacer Next Generation (Writing)	264+	250-263	0-249
Accuplacer Classic Test (Sentence Skills)	104+	76-103	0-75
Compass Writing	94+	49-93	0-48
Asset Writing	48+	39-47	0-38
ACT English and HS GPA	19-21 and 3.00+	0-14 and 3.00+	
SAT Verbal	450+	311-449	0-310

READING PLACEMENT EQUIVALENT CHART			
	No Reading Course Required	EDUC 0121 Paired with Credit Course	EDUC 0123 (7 week course)
Reading ACT	21+	15-20	0-20
Accuplacer Next Generation (Reading)	252+	240-251	0-251
Accuplacer Classic Test (Reading)	78+	61-77	0-77
Compass Reading	88+	70-87	0-87
Asset Reading	45+	38-44	0-44
HS GPA	3.00+	2.51-2.99	0-2.50
SAT Verbal	470+	280-469	0-469

MATH LITERACY PATHWAY PLACEMENT EQUIVALENT CHART		
	Math Literacy	Math Literacy/Lab
Math ACT	18+	0-17
Accuplacer Next Generation (QAS)	249+	0-248
Accuplacer Classic Test (Elem. Algebra)	63+	0-62
Compass Algebra	36+	0-35
Asset Int. Algebra	34+	0-33
SAT Verbal	460+	0-459

COLLEGE ALGEBRA PATHWAY PLACEMENT EQUIVALENT CHART				
	College Algebra	College Algebra/Lab	Intermediate Algebra	Transitional Math
Math ACT	22+	19-21	18	0-17
Accuplacer Next Generation (QAS)	264+	255-263	249-254	0-248
Accuplacer Classic Test (Elem. Algebra)	97+	77-96	63-76	0-62
Compass Algebra	50+	41-49	35-40	0-34
Asset Int. Algebra	43+	39-42	34-38	0-33
ACT Math and HS GPA	19-21 and 3.50+			
SAT Verbal	500+	460-499	440-459	0-439

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.

**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 Academic Challenge Scholarship.

Students not seeking a degree may be admitted at the discretion of the dean of enrollment services. In addition, any applicant has the right to appeal to the Admissions Appeal Committee.

**Transfer Students Admissions**

All entering transfer students are required to submit a formal application for admission. An official transcript from each college attended must also be mailed directly from the institution(s) 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.

All of the following specific regulations apply:

1. Transfer students must be in good standing with the institution they last attended in order 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 1.00 (on a 4.00 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 1.50 or higher (on a 4.00 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 2.00 or higher (on a 4.00 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, Compass, 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, Compass, 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 Dean of Admissions for special consideration. In addition, any applicant has the right to appeal to the Admissions Appeal Committee.

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. Federal financial aid may require any transfer student to provide an official high school transcript or GED scores.

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 college 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. 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 institution they last attended.

**Transfer students who hold the associate of arts, associate of science, or associate of arts in teaching:** ACT 182 of 2009 was passed by the Arkansas General Assembly to make the AA, AS and AAT degrees fully transferable among higher education institutions in Arkansas. Arkansas institutions offering approved associate degrees for transfer under ACT 182 are listed on the Arkansas Department of Higher Education



website ([www.adhe.edu](http://www.adhe.edu)). These degrees from Arkansas institutions include credits fulfilling the state minimum general education core, providing for the seamless transfer of credit hours for the degree holders. Except for additional requirements related to the student's major or university regulations, no additional lower division general education courses will be required. An advisor from the major or program will assist students with their continued course of study.

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. Transfer students holding the AA, AS, or AAT with a cumulative grade point average of 2.00 or higher on a 4.00 scale will be accepted for transfer subject to the following conditions:

1. Remedial course grades will not be computed in the cumulative grade point average for purposes of admission to a four-year institution.
2. 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.
3. 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.
4. 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 the following:

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.

International students who have graduated with a GED in the United States or a degree (high school, bachelors, or master's degree) from an accredited school in the United States or another English-speaking country must meet the same admission requirements as U.S. students. Other English-speaking countries include Anguilla, Antigua/Barbuda, Australia, Bahamas, Barbados, Belize, Bermuda, British Guyana, Cameroon (West/English-speaking), Canada (except Quebec), Cayman Islands, Dominica, Falkland Islands, Fiji, Grenada, Guam, Guyana, Ireland, Jamaica/other West Indies, Liberia, Montserrat, New Zealand, South Africa (English schools), St. Helena, St. Kitts and Nevis, St. Lucia, St. Vincent, Trinidad-Tobago, Turks and Caico Isle, United Kingdom, and the Virgin Islands.

For other international students, the English language requirement of SAU will be met when the applicant has submitted proof of ONE of the following:

1. A score of 61 or higher on the internet TOEFL;
2. A score of 500 or higher on the written TOEFL;
3. A score of 173 or higher on the computerized TOEFL;

4. A composite score of Band 5.5 on the IELTS (International English Language Testing System);
5. Completion of Level 109 at an ELS Language Center or completion of an equivalent intensive English language program from an accredited college or university within the United States;
6. A score of 410 on the SAT Critical Reading component OR a score of 19 on the ACT English.

New international undergraduate students (\*except those who have scores of 410 on the SAT verbal or 19 on the ACT English) must take the residual ACT prior to registration for classes to assess their English skills for placement purposes. An additional placement exam may also be offered to ensure proper advisement into appropriate English courses.

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 July 1 for students planning to enroll for the fall semester, November 1 for those planning to enroll for the spring semester, and April 1 for those planning to enroll for summer sessions. A \$50 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.

If accepted, 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 dean of enrollment services. 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 or SAT test for placement. Non-degree students who carry a full load are subject to placement in the Academic Opportunities Program.

For all students, criminal history will be considered and evaluated during the application approval process. A background check fee may be required.

### **Requirements Which May Not Be Delayed**

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

1. Full-time students whose test scores and/or high school GPA places them into transitional coursework must enroll in the appropriate General Studies reading, writing, and math every semester until they have successfully completed these courses.
2. All full-time students must enroll in a writing course each semester until they have completed ENGL 1123, Composition II.
3. All full-time students must enroll in a mathematics course each semester until they have completed MATH 1053, Mathematical Literacy; MATH 1023, College Algebra; or higher level mathematics course.

### **Undergraduate Course Credit Transfer**

Academic course credits transferred from regionally accredited colleges and universities and accepted by Southern Arkansas University will be posted to the student's SAU transcript. Only courses with an earned grade of C or higher will be accepted for transfer credit. Transfer course credit will not be included in calculating the student's cumulative SAU grade point average.

### **Academic Bankruptcy for Returning Southern Arkansas University-Magnolia (SAU-M) Students**

A Southern Arkansas University-Magnolia 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 only to course work attempted at SAU-M:

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 dean of enrollment services will verify the request, counsel the student, and forward the student's folder to one of the following individuals:

1. Dean of student has 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 dean of enrollment services.

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.)
  - and**
  - B. High school grades of either:
    - i. 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

- ii. 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:

- A. 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.
- B. 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.

**High School Concurrent Enrollment**

Southern Arkansas University supports the idea that exceptional high school students should be given the opportunity to advance their academic careers. One such opportunity is Concurrent Enrollment, which should be understood to be separate from other opportunities to earn college credit (cross-enrolled). Concurrent enrollment involves courses that are offered for credit at both the University and high school level. The grade received in the coursework is placed on the student's permanent University transcript. High school students must meet University guidelines. Students should contact their high school and the SAU Admissions Office for details. Guidelines are subject to change as recommended by the Arkansas Department of Higher Education.

**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 on the following pages 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

Southern Arkansas University offers the following as part of the state minimum core:

### English (6 hours)

ENGL 1113 Composition I	3
ENGL 1123 Composition II	3

### Communication (0-3 hours)

SPCH 1113 Introduction to Public Speaking	3
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### Fine Arts/Humanities (6 hours)

ART 2013 Art Appreciation	3*
ENGL 2213 World Literature I	3*
ENGL 2223 World Literature II	3
HUM 2003 Film Appreciation	3
MUS 2013 Music Appreciation	3
PHIL 2403 Introduction to Philosophy and Ethics	3
THEA 2003 Theatre Appreciation	3

### Mathematics (3 hours)

MATH 1053 Mathematical Literacy	3
MATH 1023 College Algebra	3
MATH 1045 Pre-Calculus Mathematics	5
MATH 1525 Calculus I	5

### Natural Science – (8 hours)

A. Biological, one selected from the following:

BIOL 1043/1041 Introduction to Biology	4
BIOL 1203/1201 Principles of Biology I	4

**and**

B. Physical, one selected from the following:

CHEM 1013/1011 College Chemistry I/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4
CHEM 1133/1131 Chemistry in Society/Lab	4
GEOL 1003/1001 Physical Geology/Lab	4
PHYS 1133/1131 Physics in Society/Lab	4
PHSC 2023/2021 The Physical Sciences/Lab	4
PHYS 2003/2001 College Physics I/Lab	4
PHYS 2133/2131 Astronomy/Lab	4
PHYS 2203/2201 University Physics I/Lab	4

### Social Science – (9 hours)

3 hours selected from the following:

HIST 2013 U.S. History I	3
HIST 2023 U.S. History II	3
PSCI 2003 American Government: National	3**

**and**

3 hours selected from the following:

HIST 1003 World History I 3

HIST 1013 World History II 3

**and**

3 hours selected from the following:

ECON 2103 Principles of Microeconomics 3

FIN 2003 Personal Finance 3

GEOG 2003 Introduction to Geography 3

PSCI 2003 American Government: National 3\*\*

PSYC 2003 General Psychology 3

SOC 1003 Introduction to Cultural Anthropology 3

SOC 2003 Introduction to Sociology 3

\* SAU requires a minimum of 3 hours of World Literature

\*\* PSCI 2003 cannot be double-counted

### **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 10 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.

The last day a student will be allowed to register is the sixth class day of a regular semester or the second class day of a summer session. Class days are Monday through Friday. Students registering on or after the first day of classes must pay a \$50 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 two days of a summer term, subject to the approval of the advisor and the payment of a \$10 fee.



### **Dropping a Course**

A student may drop a course without penalty until the end of office hours on Wednesday of the 11th week of a regular semester or Wednesday of the third week of a summer term subject to the consultation with the advisor and the payment of a \$10 fee. A student will not be allowed to drop a course after these deadlines except for circumstances beyond the student's control, which are approved by the Registrar.

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**

#### **Withdrawing from the University (through week 11 of a semester or week three of a summer session or week 10 of a long summer session or day 4 of an intersession)**

A student who chooses to leave the University for any reason must officially withdraw. The student should submit a request to withdraw via Campus Connect through his/her MySAU account. The process is not complete until the withdrawal has been approved by each administrative area listed: 1.) Residence Hall Director, 2.) Post Office, 3.) Dean of Students, 4.) Director of Library, 5.) Business Office, 6.) Financial Aid, and 7.) Registrar's Office. If a student has a hold in any of the administrative areas, he/she will have five business days to resolve the hold. The official date of withdrawal will be the date in which all holds have been removed. Any student who pre-registers and saves a schedule on-line or by signing a statement with the Business Office must follow this withdrawal process.

#### **Withdrawing from the University (week 12 through week 14 of a semester or week four of a summer session or week 11 of a long summer session)**

If a student withdraws from the University from week 12 through week 14 of a semester or week four of a summer session or week 11 of a long 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. The student must follow the process as outlined in section "Withdrawing from the University (through week 11 of a semester or week three of a summer session)."

#### **Withdrawing from the University (the two final weeks of a semester or during the final week of a summer term or beginning day 5 of an intersession)**

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 cases approved by the vice president for academic affairs. If approved, the student must obtain a withdrawal card from the Office of Student Life. The process is not complete until the withdrawal card is signed by each administrative area listed in the following order: 1.) Residence Hall Director, 2.) Post Office, 3.) Dean of Students, 4.) Director of Library, 5.) Business Office, 6.) Financial Aid, and 7.) Registrar's Office. Appeals must be approved by a committee of the vice president for academic affairs, the vice president for 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 Counseling Center.**

After completing 30 hours and declaring a major, students will be assigned an advisor in the college of their major. Any student seeking a degree (associate's, bachelors, 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 college. Failure to complete this process may hinder or jeopardize the student's completion of the requirements for a degree and graduation.

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 tuition and 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	Transitional courses*
1000 - 1999	Freshmen level
2000 - 2999	Sophomore level
3000 - 4999	Junior and senior level
5000 - 6999	Graduate level

\*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, extension courses, and by concurrent enrollment at another college or university) for more than 18 credit hours in a regular semester or seven 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 college 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.

#### **Credit Hour**

A credit hour at Southern Arkansas University is determined by the amount of time spent in the classroom and confirmed by assessment and student learning outcomes. Classroom instruction normally translates into one hour of in-class time followed by two hours of out-of-class preparation by the student. Laboratory classes in the sciences and other disciplines are paired with classroom instruction and generally meet one and one-half or three clock hours per week and receive one hour of credit. These lab experiences often require some out-of-class preparation. The length of the semester is at least fifteen (15) weeks as required by the state of Arkansas.

#### **Dual Enrollment**

Any degree-seeking student, while enrolled at the Magnolia campus, taking a course off campus may not exceed the maximum class load of 18 hours without obtaining prior approval. This approval consists of an "Exception Form" listing the course(s) the student is requesting to take. This form is available in the office of the Registrar (Nelson 102) and from the college deans. Any student who does not follow this process may not receive credit for the course(s).

Official articulation agreements and seamless transfer between SAU and other state institutions and the State Minimum Core agreement will be honored.

#### **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 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 college in which the student is majoring, as well as the chair of the department and the dean of the college 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, departmental credit by examination, and military credit will be accepted. A maximum of 12 consecutive semester hours by correspondence, and/or extension 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, WN, 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 for Non-residence Credit**

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

A maximum of 12 consecutive credit hours may be earned by correspondence and/or extension 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, departmental credit by examination, and military credit will be accepted.

Students who have one or more correspondence courses in progress may not register for a full class load in a summer session or a regular semester without the written permission of the vice president for academic affairs.

Candidates for graduation must have official correspondence courses on file in the SAU Office of the Registrar by the following dates:

November 1 for December graduation;  
April 1 for May graduation; and  
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: Chapter 30-Montgomery GI Bill®, Chapter 31-Vocational Rehabilitation, Chapter 33-Post 9/11 GI Bill®, Chapter 35-Survivors' and Dependents' Educational Benefit or Chapter 1606-Montgomery GI Bill®/Selected Reserve.

All students must be working toward a degree and should follow the curriculum outlined 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.

#### **Service members Opportunity College (SOC)**

Because of its efforts to serve the educational needs of service members and their dependents, SAU has been designated a Service members Opportunity College. As a member of the SOC, SAU has committed itself fully to support and comply with Service members 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:

<b>Grade</b>	<b>Grade Points per Semester Hour</b>
<i>A</i> indicates excellent work	4
<i>B</i> indicates good work	3
<i>C</i> indicates satisfactory work	2
<i>D</i> indicates minimum passing work	1
<i>F</i> indicates failing work	0

Other grades that may be recorded are *AU*, audit; *CR*, credit; *I*, incomplete work; *NC*, non-credit; *P*, pass; *W*, withdrawal with passing work; *WN*, withdrawal for excessive absence; *WF*, withdrawal with failure, and *XF*, failure with academic dishonesty hold.

*NC* grades may be assigned only in the following courses:

EDUC	0123	Transitional Reading
EDUC	2000	Educational Field Experience I Lab
EDUC	3022	Praxis II Review
ENGL	0203	Fundamentals of Writing
ENGL	1113	Composition I
ENGL	4701	Senior Project
ENGR	2020	Engineering Exams
HKR	2000	Educational Field Experience I Lab
MATH	0123	Transitional Mathematics
MATH	0703	Intermediate Algebra
MUED	1000	Concert/Recital Attendance

MUJR	3000	Junior Recital
MUSR	4000	Senior Recital
NURS	2020	Nursing Exams
PHSC	3000	Science for Middle Level Teachers Lab

*An incomplete grade may be given only for illness or other circumstances beyond the student's control and must be removed by the deadline as stated in the University calendar or it will be treated as an F grade.*

A *WF* is computed as an *F* in the grade point average, but the grades *W* and *WN* are not computed in the grade point average.

In each regular semester/term, **mid-semester grades and final grades are placed on the SAU website via Campus Connect.** In the event an error in computation is made in determining a semester grade, 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 is 34 divided by 12, or 2.833. Expressed in its letter equivalent, the average is higher than a *C*, but slightly less than a *B*.)

EXAMPLE: A student enrolls in five courses (12 credit hours) as follows:

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

Semester grade point average:  $34 \text{ GP} \div 12 \text{ CH} = 2.833$

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 Make-up Examination/Credit for Class Absences Policy section 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 may be reported by the instructor of record to the associate dean of conduct and retention. 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 *WN* (withdrawal for non-attendance under extenuating circumstances) or *WF* (withdrawal with failure) will be given for the course.

Notification of excessive absences (*WN* or *WF*) may not be initiated during the final two weeks of a semester or the final week of a summer term.

A faculty or staff member may refer a student who exhibits problems such as poor attendance, behavioral issues, and/or financial problems through the online Campus Connect Alert Referral and Early Intervention Services website referral form. Every effort is made to notify students and refer them to the respective departments for assessment and intervention.

### **Online Class Attendance**

Student attendance in online courses is defined as active participation in the course as described in the individual course syllabus. Online courses will, at a minimum, have weekly (no more frequently than daily) mechanisms for student participation, which can be documented by any or all of the following methods:

- Completion of tests or quizzes
- Discussion forums
- Submission/completion of assignments
- Communication with the instructor
- Other course participation

Students are required to log in to each online course by the second day during the week in which the course officially begins, or the day enrolled during late registration, to complete the initial introductory postings required in the course. As a component of attendance, student email, course announcements, and discussion forums should be checked frequently (daily is recommended). The student is solely responsible for checking updates related to the course. Note: nonattendance may affect financial aid. If a student fails to meet the attendance requirements, he or she may be recommended for withdrawal from the course. In the case of an anticipated absence, such as military deployment, the student should contact the instructor in advance and arrange to complete the required assignments. In case of an emergency (illness/accident or death in family), the student should contact the instructor as soon as possible providing documentation supporting the need for any late submission of a graded event.

### **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 college, 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 college 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 college 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 college 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 college in which the grade is challenged. The representative will be appointed by the Faculty Senate president.
3. The dean of the college. 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 four 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."

**Unofficial** – This transcript can be obtained from the student’s account on Campus Connect.

**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:

<b>Hours Attempted</b>	<b>Required Cumulative Grade Point Average</b>
1-29	1.50
30+	2.00

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:

<b>Total Hours Attempted (including probationary semester)</b>	<b>Grade Point Average Earned in Probationary Semester</b>
1-29	1.75
30+	2.00

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 (fall or spring). The student will not be allowed to enroll in mini-sessions and summer terms during the suspension period. 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 is justification for early readmission and chooses to appeal the suspension must submit a written appeal to the Office of the Vice President for Academic Affairs. The letter of appeal must reach the Office of the Vice President for Academic Affairs at least five business days prior to registration for the semester for which readmission is sought. Appeals received after that date will not be considered for that semester. 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**

Southern Arkansas University’s Honors College provides full honors courses with small class sizes and contract classes that challenge and inspire students to achieve their fullest academic and intellectual potential. Students are admitted based upon a global assessment of academic potential. ACT scores, high school GPA, required submitted essays, letters of recommendation and other relevant information. Other criteria may also be used to determine eligibility. Students must complete an online application and provide two letters of recommendation and two essays. One essay should be from high school class work; the other should be chosen from one of two prompts that are found on

the Honors College page of the SAU website. SAU students who have a college grade point average of 3.50 or higher may apply for admission. Once accepted into the Honors College, students will enroll in honors, general education, and other courses. Honors College students must complete no less than 24 hours of honors courses, including HC 1003, Honors Seminar. They must enroll in at least 3 hours of honors courses each semester unless they receive written permission from the Honors College. To complete their required honors hours they should take sufficient honors courses. These courses need not be in their major. Honors students may take more than 24 total honors hours. All these academic accomplishments will be acknowledged on the transcripts and diplomas of Honors College graduates. Their academic achievement will also be recognized at graduation if they have earned 24 honors hours by the semester prior to their graduating semester. Honors College students are awarded a \$300 stipend per semester each year. For more information about the Honors College at Southern Arkansas University, contact the Honors College at [epkardas@saumag.edu](mailto:epkardas@saumag.edu), (870) 235-4375, or (870) 904-8897.

**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.

**President's List:** Students who earn 12 semester hours or more on the Magnolia campus during a regular semester and earn a 4.00 grade point average will be placed on the President'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 the semester of graduation are excluded for recognition of academic honors at commencement. True academic honors are calculated on semester hours completed and grade points earned in all semesters, including the semester of graduation.

**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 2018, and updated in 2019.)

The mission of Southern Arkansas University empowers all members of the University community to develop and encourage learning environments that create, expand, acquire, share, evaluate, and communicate knowledge. Academic integrity at SAU is an

organizational and individual responsibility. Students, faculty, and staff share responsibility for maintaining the highest standards for academic integrity.

## **1. Academic Misconduct Definitions**

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, cheating, and fabrication.

### **a. Plagiarism**

Plagiarism is the act of taking and/or using the ideas, work, and/or writings of another person as one's own. Plagiarism occurs both when the words of another (in print, electronic, or any other medium) are reproduced without acknowledgement and when the ideas or arguments of another are paraphrased in such a way as to lead the reader to believe that they originated with the writer.

- i. To avoid plagiarism, give written credit and acknowledgement to the source of thoughts, ideas, and/or words, whether you have used direct quotation, paraphrasing, or just a reference to a general idea.
- ii. 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).
- iii. All course work including research performed and all assignments such as a written paper, must be the work of the person seeking academic credit for the course. Under no circumstances can purchased papers, book reports, projects and/or other class assignments, or work otherwise obtained from individuals or companies be submitted as work of the student.
- iv. It is not sufficient to provide a citation if the words of another have been reproduced – this also requires quotation marks. It is the responsibility of all University students to understand the methods of proper attribution and to apply those principles in all materials submitted.

### **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:

- i. Observing and/or copying from another student's test paper, report, computer file, and/or other assignments.
- ii. 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.
- iii. Using class notes, outlines, and other unauthorized information during an examination period unless permission is specifically given.
- iv. 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. This includes the uploading of quizzes, examinations, or any other graded material, with or without answers, to a third-party website.

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

**c. Fabrication**

- i. Fabrication is faking or forging a document, signature, or findings of a research project.
- ii. Other forms of fabrication may include unauthorized collaboration or submitting the same paper or portions of the same paper to two different courses without the consent of current instructor.
- iii. Forging a signature on an official SAU or other document.

**2. Academic Integrity Policy Application to all Students**

The University's academic integrity policy applies to all students enrolled in courses at the University. All forms of academic misconduct at SAU will be regarded as serious and may result in the student being expelled from the University.

Seminars related to academic integrity will be made available to faculty, students, and staff from time to time each year. The Divisions of Academic Affairs and Student Affairs will collaborate in publishing information about academic integrity and misconduct, with explanations and examples intended to help students make informed decisions about how they conduct themselves in their academic work.

**3. Faculty Syllabus Requirements**

Faculty will place in every course syllabus the following language:

Southern Arkansas University affirms its commitment to academic integrity and expects all members of the University community to accept shared responsibility for maintaining academic integrity. Students in this course are subject to the provisions of the University's Academic Integrity Policy, approved by the president and published in the Student Handbook. Penalties for academic misconduct in this course may include a failing grade on an assignment a failing grade in the course. Continued enrollment in this course affirms a student's acceptance of this University policy.

An instructor may include in the course syllabus additional information about academic integrity if he or she wishes to do so.

**4. Academic Misconduct File and Assistance with Notice to Students**

All documentation relevant to a student's academic misconduct will be maintained in the Office of the Vice President for Academic Affairs in a digital form. Academic misconduct files shall only be used in accordance with University FERPA policy.

If the student makes a formal appeal, it will be decided in accordance with the procedures set forth below. If the matter is appealed to the Academic Integrity Council, the VPAA (or designee) will forward all forms and other materials associated with the specific violation and a summary of other Academic Integrity violations committed by the student to the Chair of the Academic Integrity Council to be disseminated to members of the Council.

Students may not drop a class until the allegation of the academic integrity violation has been resolved. If the allegation is confirmed, the instructor retains the ability to assign a grade for the course, consistent with the criteria below, if the student decides to drop the class after completion of the process.

## **5. Notification of Charge of Academic Misconduct to Student**

All forms used in the process will be located on SAU Academic Integrity web page and will be sent via SAU email. All forms will be copied to the instructor and to the student to keep them informed of the process. A copy will be sent to the appropriate dean of the college in which the alleged misconduct occurred.

When an instructor determines that a student has engaged in academic misconduct, the instructor may take one of two actions: 1) the instructor may complete the web-based academic integrity violation form; or 2) the instructor may choose to meet informally with the student to discuss the alleged academic misconduct and then decide, on the basis of that meeting, whether or not to complete and submit the web-based academic integrity violation form. The form is found on SAU's Academic Integrity webpage. This form will notify the student, Dean, and the VPAA of the allegation through the student's SAU email account. The notice will include the justification for the allegation. Once the form has been received, the Office of the VPAA will inform the Dean as to whether the student has been found responsible for any previous violations of the Academic Integrity Policy and at what level.

*NOTE: Faculty members should not penalize a student for acts of academic misconduct unless an academic integrity violation form has been completed and the process described in this section has been followed. To do otherwise would deprive students of their due process right to appeal any actions taken against them.*

## **6. Meeting with the Dean**

The student will have three days (excluding weekends and holidays) to make contact with the appropriate academic Dean and schedule a meeting. (Should the student fail to make contact with the Dean within the prescribed time, the Dean's decision as to violation level and sanction will be final.) Once contacted, the Dean should ensure that the meeting take place within seven (7) **calendar** days of the student's receipt of the initial notification email. If the Dean is unable to schedule a meeting within seven days, he or she may ask an assistant dean, an associate dean, or the Provost to serve in his or her place. At the meeting, the Dean will inform the student of the violation level associated with the alleged academic misconduct and provide the student with a copy of the entire Academic Integrity Policy, pointing out the relevant sanctions. The Dean will then inform the student that he or she has seven (7) **calendar** days to submit an appeal. If the student does not submit an appeal within seven calendar days, the Dean's decision as to violation level and sanction will be final. At the end of the meeting, the Dean must fill out (within 24 hours) the associated form including the sanction value of the violation. This form should be sent to the student, the instructor, and the VPAA.

## **7. Appeal Process**

A student may appeal the charge of academic misconduct and/or the proposed violation level through the procedures set forth below.

### **a. Appeals at the College Level**

- i. Within seven (7) **calendar** days of receipt of the appeal, the Dean will review all materials submitted by the student and VPAA and, if necessary, meet with the student to attempt to resolve the matter. Online students may speak with the Dean via electronic telecommunications. After the meeting with the student, the Dean will render a decision on the appeal

and fill out the online form within 24 hours. The instructor, student, and Office of the VPAA will be informed of the Dean's decision.

- ii. If the student is not satisfied with the action of the Dean, the student can appeal the decision of the Dean to the University Academic Integrity Council.
- iii. If the instructor is not satisfied with the action of the Dean, the faculty member may also appeal the decision to the University Academic Integrity Council.

**b. Appeals to the University Academic Integrity Council**

- i. Within seven (7) **calendar** days of receipt of the notice of the College/Dean appeal decision, the student or instructor may appeal to the Academic Integrity Council. The party filing the appeal will use the appropriate form found on SAU's Academic Integrity Council web page. Upon receiving this form, the VPAA will forward all forms and other materials associated with the specific count and a summary of other Academic Integrity violations committed by the student to the Chair of the Academic Integrity Council and that material will be disseminated to all members of the Council.
- ii. Within seven (7) **calendar** days of receipt of the appeal, the Academic Integrity Council will consider the appeal with at least three members of the Council being present. The decision of the Academic Integrity Council will be forwarded (within 24 hours) to the student, the instructor, the Dean, and the Provost/VPAA via the web based form.
- iii. The Provost/VPAA will review all decisions recommending suspension or expulsion.

**c. Final Notification To Student and Instructor**

Once the process is complete, the student, the instructor, the Dean, the Chair of the Academic Integrity Council, and the Registrar will receive information from the VPAA of the final disposition of the case, including the violation level and sanction points if the student is guilty.

**8. Violation Levels**

The following violation levels are assigned to specific types of violations of the University's Academic Integrity Policy; if a violation occurs which is not specifically provided below, then any sanctions will be based on the most similar type of violation that exists in the rubric. A violation will be considered as a single violation up until the point that a student receives notice of that violation; additional infractions occurring after that point will be considered separately for purposes of this rubric. If assignment of a sanction requires the Academic Integrity Council to interpret the sanction rubric, the Academic Integrity Council shall provide a rationale for its determination and application of the particular sanction(s). General guidance on substantial issues of interpretation of the sanction rubric shall be provided by the Provost/Vice President for Academic Affairs.

A student receives the assigned number of sanction points for each violation for which he/she is found responsible. **Sanction points are cumulative over the length of the student's matriculation at Southern Arkansas University. Graduate students will be considered new matriculates.**

The violation levels are as follows:

**a. Level Zero Violation – 0.0 sanction point**

- i. For plagiarism/copying in work done for a course, if the plagiarized/copied material constitutes less than 10% of the assignment in the judgment of the Dean (first offense only).
- ii. Unauthorized collaboration on homework assignments constituting less than 10% of the assignment in the judgment of the Dean (first offense only).
- iii. Use of any materials or resources that are not authorized by the instructor in completing any assignment having a value of less than 10% of the assignment in the judgment of the Dean (first offense only).

**b. Level One Violation – 1.0 sanction point for each violation**

- i. Copying from or viewing another student's work during an examination.
- ii. Using any materials or resources that are not authorized by the instructor for use during an examination or in completing any assignment having a value equal to or greater than 10% of the assignment in the judgment of the Dean, or a second offense.
- iii. Collaborating during an examination with any other person by giving or receiving information without specific permission of the instructor.
- iv. Facilitating or aiding in any act of academic dishonesty.
- v. Collaborating on laboratory work, or other assigned work when instructed to work independently.
- vi. Submitting, without specific permission of the instructor, work that has been previously offered by the same student for credit in another course.
- vii. Falsification of attendance and/or participation.
- viii. Submitting as one's own any theme, report, term paper, essay, computer program, speech, painting, drawing, sculpture, or other written or creative work or project of any nature prepared totally or in large measure by another /plagiarizing, in work completed for a class assignment, when that copying/plagiarizing constitutes less than 10% of the assignment in the judgment of the Dean and is a second offense, or when that copying/plagiarizing constitutes 10% or more of the assignment in the judgment of the Dean.
- ix. Unauthorized collaboration on homework assignments constituting 10% or more of the assignment in the judgment of the Dean, or less than 10% of the assignment on a second offense in the judgment of the Dean.

**c. Level Two Violation - 2.0 sanction points for each violation**

- i. Submitting as one's own any work prepared totally or in large measure by another.
- ii. Uploading of quizzes, examinations or any other graded materials, with or without answers, to a third-party website.
- iii. Submitting altered or falsified data (in work completed for a class assignment).

**d. Level Three Violation - 4.0 sanction points for each violation**

- i. Altering grades or official records.
- ii. Falsifying or signing another person's name on any academically-related University form or document.
- iii. Buying or selling course work (paying another person to complete exams, assignments, etc. or being paid to do this for another).
- iv. Sabotaging another student's work.

**Note:** For offenses not specifically mentioned in this rubric, faculty members may confer with the Academic Integrity Council Chair and propose a description of the offense and the level of sanction to be recommended in the faculty member's syllabus. The proposed description and sanctions will be forwarded to the Academic Integrity Council Chair to review the proposed offense and sanction for consistency with existing offenses and sanctions. If a faculty member and Academic Integrity Chair disagree over a particular offense or sanction, the matter may be discussed with the relevant dean and /or the Academic Integrity Council.

**9. Sanctions: The possible university sanctions are as follows:**

**Sanction points for Level 0 = 0.0:** The student will be issued a Letter of Reprimand (first offense only). There will be no grade sanction for a Level Zero offense.

Student must attend the Academic Integrity Course.

**Sanction points for Level 1= 1.0:** For work for a course, the instructor will give the test or an assignment an immediate zero (0) which will then be averaged into the course grade. If that involves missing a stated deadline, the stated late penalty will apply. Student must take the Academic Integrity Course.

**Sanction points for Level 2= 2.0:** The student will receive a course grade of XF for work done for a course. A 2.0 offense will result in academic integrity suspension for one semester.

**Sanction points for Level 3= 4.0 or more:** The student will be immediately and permanently expelled. An XF will be given for the course(s).

**10. Opportunity and Removal for the "X"**

After two semesters of acceptable performance at the University following the imposition of a penalty, with no student conduct or academic dishonesty infractions, the student may request grade forgiveness by VPAA.

To remove the X on the transcript, the student may request that the X be removed by submitting a written petition to the Provost/Vice President for Academic Affairs. This written petition must provide evidence that the student now understands ethical standards (e.g. GPA following the infraction; lack of subsequent infractions [academic and conduct]; proactive activities that the student has engaged in to learn about appropriate techniques for citation, etc.), The X will still be counted if future infractions occur.

**11. Degrees, Honors & Awards**

The University reserves the right to withhold or withdraw degrees, honors, or awards due to violations of the Academic Integrity Policy.

**12. Suspension and Expulsion**



Suspension involves withdrawal of enrollment privileges for a specified period of time and ordinarily carries with it conditions which must be met for re-enrollment. Suspended students are not permitted to live or board in University facilities or approved student organization housing (i.e., facilities owned by the University and leased to a student organization). Students suspended may not receive credit for University work completed by correspondence or in residence at another university without prior permission from the Provost or designee. Records of suspension are maintained indefinitely.

Expulsion is a permanent dismissal from the University. These records are maintained indefinitely.

Expulsion from Southern Arkansas University for academic dishonesty will be permanently noted on the student's transcript.

Note: The Academic Integrity Policy of the University of Arkansas was a source for the update of this policy.

## **Degree Requirements**

### **University Learning Goals (revised 2012-2013)**

To accomplish the University's mission to educate students, the general education curriculum and all program curricula provide learning opportunities that assist students in attaining the following University Learning Goals and Objectives:

**1. Effective Communication**

Our graduates can communicate effectively. Effective communication embraces oral, visual, and language arts, including the ability to listen, speak, read, and write. It includes the effective use of various resources and technology for personal and professional communication.

- Our students can write effectively.
- Our students can effectively deliver an oral presentation.

**2. Personal and Social Responsibility**

Our graduates are prepared to be personally and socially responsible citizens, having the ability to apply knowledge and skills that encourage responsible civic engagement for the advancement of society. This includes an understanding of their own and other cultures and societies and the ability to make informed and ethical decisions.

- Our students demonstrate an understanding of the diversity of their own and other societies and cultures.
- Our students demonstrate an understanding of the process of making informed and ethical decisions.
- Our students demonstrate an understanding of facts within historical and cultural contexts.

**3. Critical Thinking**

Our graduates can think critically, solve problems, and make informed decisions. Critical thinking is the ability to analyze, synthesize, and evaluate information and ideas from multiple perspectives. It includes the accurate use of terminology, information literacy, the application of scholarly and scientific methods, logical argument, and the capability for analysis and problem solving.

- Our students use appropriate quantitative skills in making decisions.
- Our students demonstrate an ability to think critically and creatively to analyze and solve problems.

**4. Information Literacy**

Our graduates can use technology effectively in their fields. Information literacy is the ability to determine the nature of required information, to access it effectively and efficiently, and to evaluate it critically. It includes the responsible, legal, and ethical use of information.

**5. Content Knowledge**

Our graduates have content knowledge in their chosen fields and the necessary skills to be successful. Content knowledge is discipline and degree specific.

As one means of attaining the mission of the University and of providing the student with a basic well-rounded education, all candidates for degrees complete prescribed general education courses. The general education curriculum includes courses that introduce and

reinforce learning objectives for the following goals: Effective Communication, Personal and Social Responsibility, and Critical Thinking.

To accomplish the University's mission to educate students, all candidates for degrees complete the prescribed major and minor requirements of the University's degree programs. Curricula in all programs reinforce the learning objectives for effective communication, personal and social responsibility, and critical thinking; curricula in all programs also introduce and reinforce learning objectives for the following goals: Information Literacy and Content Knowledge.

The University measures student learning related to all five University Learning Goals and uses this information to continuously improve the curricula. Assessment reports that describe the ways these goals are integrated into classes are available through the Office of Institutional Effectiveness.

### The General Education Curriculum

The courses that comprise SAU's general education curriculum also constitute the University's State Minimum Core, established in accordance with ACT 747 of 2011, for implementation the fall semester 2012. ACT 747 requires colleges and universities to identify "a minimum core of courses which shall apply toward the general education core curriculum for baccalaureate degrees at state supported institutions of higher education and which shall be fully transferable between state institutions."

All degree-seeking students shall complete a minimum of 35 semester hours of general education courses. The number of hours to be completed in each academic area is listed below. (Honors courses with permission):

Double counting with major requirements will be allowed.

**English** - 6 semester hours fulfilled by completing the following:

ENGL	1113	Composition I (ACTS ENGL 1013)
ENGL	1123	Composition II (ACTS ENGL 1023)

**Fine Arts/Humanities** - 9 semester hours (see note 5 below):

Requirement 1: 3 hours selected from the following:

ENGL	2213	World Literature I (ACTS ENGL 2113)
ENGL	2223	World Literature II (ACTS ENGL 2123)

Requirement 2: 6 hours selected from the following (can only include 3 hours of ART and 3 hours of Music):

ART	1103	Introduction to Game Development
ART	2013	Art Appreciation (ACTS ARTA 1003)
ENGL	2213	World Literature I (ACTS ENGL 2113)
ENGL	2223	World Literature II (ACTS ENGL 2123)
HUM	2003	Film Appreciation
MUS	2003	History of Rock Music
MUS	2013	Music Appreciation (ACTS MUSC 1003)
PHIL	2403	Introduction to Philosophy and Ethics (ACTS PHIL 1103)
THEA	2003	Theatre Appreciation (ACTS DRAM 1003)
3 hours		Foreign Language

**Mathematics** - 3 semester hours selected from the following:

MATH	1053	Mathematical Literacy ( <u>see note 4A and 4B below</u> ) (ACTS 1113)
MATH	1023	College Algebra ( <u>see note 5 below</u> ) (ACTS MATH 1103)
MATH	1045	Pre-Calculus Mathematics (ACTS MATH 1305)
MATH	1525	Calculus I (ACTS MATH 2405)
MATH	2123	Applied Calculus for Technology
MATH	2124	Applied Calculus

**Science** - 8 semester hours

**Biological Science** - 4 semester hours fulfilled by completing one of the following courses (see note 6 below):

BIOL	1043/1041	Introduction to Biology/Lab (ACTS BIOL 1004)
BIOL	1203/1201	Principles of Biology I

**Physical Science** - 4 semester hours fulfilled by completing one of the following courses:

CHEM	1013/1011	College Chemistry I/Lab (ACTS CHEM 1214)
CHEM	1023/1021	University Chemistry I/Lab (ACTS CHEM 1414)
CHEM	1133/1131	Chemistry in Society/Lab (ACTS CHEM 1004)
GEOL	1003/1001	Physical Geology/Lab (ACTS GEOL 1114)
PHSC	2023/2021	Physical Sciences/Lab (ACTS PHSC 1004)
PHYS	1133/1131	Physics in Society/Lab
PHYS	2003/2001	College Physics I/Lab (ACTS PHYS 2014)
PHYS	2133/2131	Astronomy/Lab
PHYS	2203/2201	University Physics I/Lab (ACTS PHYS 2034)

**Social Sciences** - 9 semester hours fulfilled by completing the following (*see notes 1-3 & 5 below*):

Requirement 1: 3 hours of history selected from the following:

HIST	1003	World History I (ACTS HIST 1113)
HIST	1013	World History II (ACTS HIST 1123)

Requirement 2: 3 hours selected from the following:

HIST	2013	U.S. History I (ACTS HIST 2113)
HIST	2023	U.S. History II (ACTS HIST 2123)
PSCI	2003	American Government: National (ACTS PLSC 2003)

Requirement 3: 3 hours selected from the following:

ECON	2103	Principles of Microeconomics (ACTS ECON 2203)
FIN	2003	Personal Finance
GEOG	2003	Introduction to Geography (ACTS GEOG 1103)
PSYC	2003	General Psychology (ACTS PSYC 1103)
PSCI	2003	American Government: National (ACTS PLSC 2003)
SOC	1003	Introduction to Cultural Anthropology (ACTS ANTH 1013)
SOC	2003	Introduction to Sociology (ACTS SOC 1013)

#### Notes

1. Social science requirements may be restricted by your major.
2. All candidates for associate of arts and bachelor degree programs are required to have three semester hours of world history by taking HIST 1003 World History I, HIST 1013 World History II, or equivalent.
3. All candidates for degrees are required to complete either one three-hour course in United States history or American government.
4. A) MATH 1053, Mathematical Literacy, can only be accepted to fulfill the general education requirements for math if it is a terminal math requirement for a degree. MATH 1053 cannot fulfill the general education requirement for any major that requires, MATH 1023 College Algebra.  
  
B) The 3 hour general education math requirement can also be fulfilled with an xxx3 statistics course that has a MATH prefixed or is approved by chair of the department of Mathematics and Dean of Science & engineering, as long as that statistics course is not used for any major requirement.

5. Students majoring in Engineering or Engineering – Physics may substitute 3 hours of fine arts/humanities and 3 hours of social sciences with higher math and/or additional science to fulfill the general education requirements.
6. Students majoring in Engineering or Engineering – Physics may satisfy the Biological Science requirement by taking an alternate science course to fulfill the general education requirements. Please see degree plan for requirements.

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**

All students earning degrees from Southern Arkansas University must complete the General Education Requirements and the University Requirement as shown in this catalog. 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. The student must complete the appropriate Academic Opportunities Program courses including GSTD 1002 Freshman Seminar (see below).

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 MATH 1053 Mathematical Literacy, or a higher mathematics course.

All students must demonstrate English proficiency by earning a *C* or higher in Composition I and Composition II. Any student required to take ENGL 0203, Fundamentals of Writing, must earn a *C* or higher.

### **University Requirement for All Programs**

Transfer students who have fewer than 24 semester hours and beginning freshmen must take GSTD 1002 Freshman Seminar in the first regular semester of enrollment (offered in fall and spring semesters). Students accepted in the Honor's College program must take HC 1013 Honors Seminar.

### **Special Requirements for Each Degree**

#### **1. Bachelor of Arts**

- a. Completion of six hours of a foreign language.
- b. Completion of prescribed requirements in one of the following majors: English, foreign language, history, mass communication, or political science.

#### **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 the major in general business program with a supporting minor field or completion of the major in business administration with an area of emphasis in one of the following fields: entrepreneurship, entrepreneurial finance, financial analysis, financial planning, general business with approved minor, general business with agricultural

industries minor, information systems, management, marketing, and supply chain management.

### **3. Bachelor of Fine Arts**

- a. Completion of the prescribed requirements with a concentration in either communications design, interactive media and marketing, studio art or game, animation and simulation; performing arts-music with studies in business, performing arts-music education (instrumental), performing arts-music education (vocal), performing arts-music performance (instrumental), performing arts-music performance (vocal), performing arts-musical theatre, performing arts-theatre.
- b. Satisfactory completion of the Capstone Review for all art majors.
- c. Satisfactory completion of the following for music education:
  - i. Completion of the proficiency examination in major and minor music areas.
  - ii. Presentation of prescribed number of recitals.
  - iii. Admittance to the Teacher Education Program.
  - iv. Completion of the prescribed major.
  - v. Proficiency in established dispositions as indicated in the EPP Conceptual Framework.
  - vi. Proficiency in established TESS Domain Competencies as indicated in the EPP Conceptual Framework.

### **4. Bachelor of Science**

- a. If the major is in the College of Liberal and Performing Arts, the student must meet the following requirements: completion of a mathematics, computer science, or statistics course; and completion of a total of six credit hours chosen from the natural sciences or mathematics. These requirements may not be fulfilled by double counting credit used to complete the general education science requirements or by completing BIOL 1203/1201, BIOL 1043/1041, MATH 1023, or PHSC 2023/2021.
- b. Completion of the prescribed requirements in one of the following majors: agricultural business; agricultural education; agricultural science; biological science; chemistry; computer science; criminal justice; engineering-physics; exercise science; mathematics; psychology; or sports management.
- c. 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 degree with a minor in education.

### **5. Bachelor of Science in Education (elementary education and middle school education)**

- a. Admittance to the Teacher Education Program.
- b. Completion of the prescribed major
- c. Proficiency in established dispositions as indicated in the EPP Conceptual Framework.
- d. Proficiency in established TESS Domain Competencies as indicated in the EPP Conceptual Framework.

### **6. Bachelor of Science in Education (secondary education program – K-12 Physical Education Wellness and Health only)**

- a. Admittance to the Teacher Education Program.
- b. Completion of the prescribed major.

- c. Proficiency in established dispositions as indicated in the EPP Conceptual Framework.
- d. Proficiency in established TESS Domain Competencies as indicated in the EPP Conceptual Framework.

**7. Bachelor of Science in Engineering**

- a. Completion of the prescribed major.

**8. Bachelor of Science in Nursing**

- a. BSN (completion of the prescribed major)
- b. RN to BSN (the applicant must be an RN with an associate degree or a diploma RN to apply for the program)

**9. Bachelor of Social Work**

- a. Completion of a foreign language (six hours at the University level).
- b. Completion of information systems or computer science course.
- c. Completion of the prescribed major.

**10. Associate Degree**

- a. 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 120 semester hours of credit. Of the 120 hours presented for a degree, 40 semester hours must be earned in non-activity courses numbered 3000 or above.

No more than four semester hours in any one activity or more than a total of six hours of activity credit may be counted toward graduation. For graduation credit, the earliest eligible activity credits will be counted, except in the case of specific activity courses required for a degree. No activity credit may be counted toward the 40-semester hour requirement of courses numbered 3000 and above. Encore and physical education activity courses 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 nine 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 College of Business must complete at SAU at least 50 percent of the business credit hours required for the business degree.

**Residence Requirements**

1. 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.
2. Of the last 30 hours, the student may take a maximum of 12 hours at SAU-Tech.
  - a. If the student has already met the 30-hour residence requirement and the hours do not cause the student to exceed the transfer limit of 68 hours from a two-year institution.
3. For a business degree, students must complete at least 50 percent of the business credit hours at SAU.



4. To earn an associate's degree from SAU, a student must complete a minimum of 18 hours on the SAU campus or through SAU extension classes. Of the last 18 hours taken, 12 hours must be taken on the SAU campus or through SAU extension classes.
5. Of the last 18 hours for the associate's degree, the student may take a maximum of 9 hours at SAU-Tech
  - a. If the student has already met the 18-hour residency requirement and the hours do not cause the student to exceed the transfer limit of 68 hours from the two-year institution.

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 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 or in the deans' offices.

In addition, 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 one day 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.

**Length of Time to Complete Degree**

The requirements for graduation listed in the catalog in effect when a student initially enters an institution of higher education, whether 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 the Assessment Review Council with faculty and staff representatives – is a unified effort by the entire University to assess student learning. The assessments include the 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.

#### **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.*

**Restriction of taking courses off campus the last semester prior to graduation.** For graduation purposes, students will not be allowed to take courses off campus the last semester/term of graduation. Any exceptions to the regulation will be approved by the advisor and dean of the student's major and confirmed by the registrar. Approval must take place prior to the close of registration. Examples of exceptions to this regulation would be: class cancellations, classes not offered, class conflicts, and other documented circumstances beyond the student's control.

Students obtaining an exception 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.

The University has three commencement ceremonies each year: May, August, and December. 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 late fee is assessed for candidates applying late for graduation.

#### **Applying for graduation includes the following:**

1. Completing the application for graduation form
2. Submitting an updated degree audit form
3. Paying the graduation fee at the Business Office
4. Settling all financial and other obligations with the University

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

To remain eligible for graduation, students must remain enrolled in all required courses through the last date to drop during the semester/term immediately preceding their graduation date.

**Candidates for degrees must participate in the commencement exercises unless excused by the registrar.** A candidate who wishes to graduate in absentia should submit a written request to the Office of the Registrar 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 the student:

1. Satisfies all requirements for both degrees
2. Completes any general education requirements mandated by the state, and

A student may earn two baccalaureate degrees simultaneously. The respective deans will maintain separate degree plans. Any course required in both degrees will be double counted (i.e., counted in both degrees) as approved by both deans.

A student who has earned an associate's degree may earn an additional associate's 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.

A student who had earned a baccalaureate from SAU or an accredited university has fulfilled the general education requirements for an additional baccalaureate from SAU.

A student who previously completed a bachelor's degree from SAU, or from any other institution, must complete at least 30 hours of additional coursework from SAU, not necessarily subsequent to the requirements for the first degree. Of the additional 30 hours, 24 hours must be earned in residence. More than 30 hours of course work may be required to satisfy all University, college or school, and departmental requirements.

### **Double Majors**

A student may earn double majors by completing all of the requirements for any two approved majors under the same degree program (i.e., two majors under BBA, two majors under BA, two majors under BS, etc.). 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 by legislative appropriations, the tuition and fees, which the student pays, constitute less than 40 percent of the actual cost of one's education. Tuition and 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, check, 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**

A limited amount of the out-of-state tuition may be waived for students living in Louisiana, Oklahoma, Mississippi, Missouri, Tennessee, and Texas and for children of SAU graduates living anywhere may be waived when these students choose to live in University housing.

### **Arkansas Taxpayer Waiver**

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 tax year preceding enrollment.
2. Student and parent must live in one of the following counties or parishes:
  - Louisiana: Claiborne, Morehouse, Union, or Webster parishes
  - Mississippi: Bolivar, Coahoma, DeSoto or Tunica counties
  - Missouri: Barry, Dunklin, McDonald, Oregon, Ozark, Pemiscot, Ripley, or Taney counties
  - Oklahoma: Adair, Delaware, LeFlore, McCurtain, or Sequoyah counties
  - Tennessee: Dyer, Lauderdale, Shelby, or Tipton counties
  - 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) 235-5045.

### **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). Subsequently the University will waive the fees associated with the class.

The Age Waiver form is available in the SAU Business Office. For more information about the waiver, call (870) 235-5045.

### **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 4 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 percent refundable until classes have been in session two days, after which the refund decreases 20 percent 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 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, or on-campus employment), all applications and requests for information should be addressed to the Office of Financial Aid, Southern Arkansas University, 100 E. University, MSC 9344, Magnolia, Arkansas 71753. To ensure that funds are available on a timely basis, all complete and correct forms must be submitted to the Office of Financial Aid by May 1 for the fall semester, October 1 for the spring semester, and March 1 for the summer semester.

### **Scholarships**

A number of academic and performance 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 recipient of both academic and performance scholarships may receive the 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.

Visit the SAU website for scholarship offerings, eligibility, and retention criteria.

Sophomore, junior, and senior college students may apply for a College Scholarship.

No cash will be refunded to the student above and beyond institutional charges.

### **College Scholarships**

Sophomores, juniors, and seniors who have maintained at least a 3.00 cumulative grade point average at SAU may apply for a college scholarship by March 1. These scholarships are competitively awarded annually and are for \$2,500 each semester 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 SAU Magnolia campus each semester. Academic departments may have additional criteria for determining eligibility for these scholarships.

### **Athletic Scholarships**

Scholarships are available to athletes when recommended by a coach in the area of their talents. For further information, contact the director of athletics, Southern Arkansas University, 100 E. University, MSC 9301, Magnolia, AR 71753 or (870) 235-4102.

### **Rodeo Scholarships**

Students who are members of the rodeo team may be eligible for scholarships if recommended by the team coach. For information, contact the rodeo team coach, Southern Arkansas University, 100 E. University, MSC 9418, Magnolia, AR 71753 or (870) 235-4391.

### **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. The Free Application for Federal Student Aid (FAFSA) is available after October 1 at [www.fafsa.gov](http://www.fafsa.gov).

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.

### **Grants**

Grants are awarded on the basis of family income of the appropriate 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.

### **Loans**

Loans are considered self-help funds since they must be repaid.

1. The Federal Direct Loan program is a need-based subsidized loan program with funds being provided by the federal government. SAU must certify a demonstrated financial need by using federal guidelines. Unsubsidized Direct Loans are available, and the family contribution is not considered when determining eligibility.
2. Federal PLUS Loans are available to parents of dependent students.

### **Other**

The Arkansas Department of Higher Education (ADHE) administers financial aid programs for Arkansas undergraduate students that include Arkansas Academic Challenge (Lottery) Scholarships, Governor's Scholars Program, and other scholarship programs as available. Check the ADHE website for details at [www.adhe.edu](http://www.adhe.edu).

Vocational Rehabilitation provides some financial assistance to persons who have permanent disabilities.

The 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 Military 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. ADHE ([www.adhe.com](http://www.adhe.com)) also administers these programs.

For more information, contact the Office of Financial Aid, Southern Arkansas University, 100 E. University, MSC 9344, Magnolia, AR 71753 or (870) 235-4023.

### **Career Services**

More than 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 on the Career Services website. Students are hired based on job availability, student qualifications, and the needs/requirements of the department.

Career Services provides currently enrolled students information on finding on-campus employment. Students may review descriptions of current job openings submitted by faculty and staff on the website. Training is provided to help students develop skills for the workplace. Students register with the office by completing an online data sheet.

Current students who are interested in part-time off-campus employment are also assisted. These students register by completing an online data sheet. Job information from area employers is available for students to review on the Career Services website.

The student employment service is housed under Career Services located in Donald W. Reynolds Center, room 202. The office may be reached by calling (870) 235-4097.

### **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, disability support services, health services, student employment, career planning, multicultural services, student activities, Upward Bound, student support services, communications center, international students, talent search, ADAPT, student life and University Police Department. 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 about registration procedures.

#### **New Student Orientation**

New student orientation, "Becoming A Mulerider" (BAM), occurs in two phases. Phase I will take place on selected dates during the summer. The orientation sessions will include registration and general information needed to begin a student's college career. Mulerider Round-Up occurs the Sunday through Tuesday prior to the first day of fall semester classes. Sunday, Monday and Tuesday focus on the incoming SAU students with mini courses in diversity, safety, student activities, and computers where students receive their e-mail address. Mulerider Round-Up occurs 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 apply for housing beginning November 1 of each year by using the online application located in MySAU, or by contacting the office of University Housing at (870) 235-4047. In order to secure housing, prospective students must have the following credentials based on first come, first served basis:

1. Completed application for University Residence Halls along with a \$100 non-refundable reservation fee
2. Accepted Application for Admission

A University Village apartment is available for any junior, senior, graduate, single parents, or married student who is officially admitted to the University and who has the following credentials on file on a first come, first served basis.

A University Court apartment will be reserved for enrolled SAU students with families, i.e., single parents or married couples with children, who are officially admitted to the University and have the following credentials based on first come, first served basis:

1. Completed application for University Village, University Court apartments, and Mulerider Pointe apartments along with a \$200 non-refundable reservation fee
2. Accepted Application for Admission

Once the application process has been completed, the student has the ability to select the residence hall they would like to reside in based on specified residential interest groups. 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 University Housing 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, or
4. Second summer session.

A housing application and/or contract may be canceled by completing the online Housing Cancellation Form.

Each student room is furnished with two single beds, two desks, two chairs, two dressers, and two closets/wardrobes. Students are expected to bring towels, sheets for a single bed, blanket, pillow, and pillowcases. 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 digital cable-TV services are provided in each room. A telephone number is assigned upon request. 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 University Housing.



### **Residence Halls**

**Arkansas Hall** is a new freshman-only residence hall that was opened in August of 2019 and provides 128 bed spaces for men and women. This residence hall is the home of freshmen who have a 19 or higher on the ACT or a 3.00 or higher GPA. Arkansas houses SAU's Leadership College that focuses on the students' academic and personal success through leadership development. Arkansas Hall has kitchenettes on every floor, along with several semi-private bathrooms that give extra privacy to our residents.

**Burns-Harsh Hall** is a new freshman-only residence hall that was opened in August 2017 providing 92 rooms for men and women. This one level, completely air-conditioned hall has a study, classroom and kitchenette. The Living Learning Community associated with Burns-Harsh Hall is Leadership College.

**Bussey Hall** is a three-story facility, is air-conditioned and provides 100 rooms for women. Television room and computer labs are located in the main lobby. Each floor has two laundry rooms, two bathrooms with showers and tubs, and carpeted hallways. The Residential Interest Group housed in Bussey is First Year Experience.

**Columbia Hall** is a new freshman-only residence hall that was opened in August of 2016 and provides 128 rooms for men and women. This residence hall is the home of freshmen who have a 22 or higher on the ACT or a 3.25 or higher GPA. Columbia houses SAU's Residential College that focuses on the students' academic and personal success through leadership development and service learning. Columbia Hall has kitchenettes on every floor, along with several semi-private bathrooms that give extra privacy to our residents.

**Eichenberger Hall** is a new residence hall opened in August 2017 and provides 50 rooms for men and women. Eichenberger Hall is the place for students whose academic focus is science and engineering. The Living Learning Communities that are associated with Eichenberger Hall are Tomorrow's Engineers and Life Support. Amenities include study rooms, classrooms and kitchenettes.

**Fincher Hall** provides 45 suite-style rooms for men and women of the Mulerider Band. The hall has a computer lab, classroom, commons on the first floor, and lounges on each floor.

**Greene Hall** provides 105 rooms for men and women. The hall has a computer lab, vending, and laundry room. Bathrooms are located on each floor. Residential Interest Groups living in Greene include Greene Light Art, First Year Experience, and baseball.

**Harrod Hall**, providing 99 rooms for men and women, has a glassed-in lobby that faces a covered outdoor entertainment area. A TV lounge and vending area is located on the first floor. Each floor has a laundry room, bathrooms. The Artistic Attitude residential interest group is housed in Harrod.

**Honors Hall**, located at the north end of the campus, provides 92 rooms for men and women. The completely air-conditioned hall has a computer lab, classroom, and commons on the first floor and lounges on each floor. Each room is equipped with lavatories, study desks, closets, and chest of drawers. Honors North has suite-style room arrangement and houses the Honors College. Honors South houses the video gaming interest group.

**Magnolia Hall** is a new residence hall that was opened in October 2016 providing 128 bed spaces for men and women. This residence hall is the home of upperclassmen with 30 or more credit hours. The Living Learning Communities that are associated with Magnolia Hall are SOAR, Outdoor Sports and Recreation, and Studiers Unite. Magnolia

Hall has kitchenettes on every floor along with several semi-private bathrooms that give extra privacy to our residents.

**Mulerider Pointe Apartments** are available to juniors, seniors, and graduate students. Mulerider Pointe Apartments has 16 two-bedroom and 8 one-bedroom apartments. Each apartment has fully furnished bedrooms, living room, and kitchen. Each bedroom contains two twin size beds, a chest of drawers, and a closet. The kitchen features an electric range/oven, dishwasher, and refrigerator. A laundry room and swimming pool are located on the grounds.

**Talbot Hall** provides 96 rooms for men. Computer lab, vending and laundry room surround the main lobby. The three-story building is completely air-conditioned. Bathrooms and small lounges are located on each floor. Talbot Hall houses the football team, Health and Fitness as well as First Year Experience.

**Talley Hall** is a three-story building, is completely air-conditioned, and provides 96 rooms for men and women. Computer lab, vending, and laundry room surround the main lobby. Bathrooms are located on each floor. Talley is home to the Agriculture, Education, and the Agriculture Business interest groups.

**University Hall** offers two bedroom, suite-style units. Each unit is complete with wall-to-wall furnishings with living room, bathroom and kitchenette accommodations. Additional lifestyle accommodations as a part of the University Village complex include Panda Express, a clubhouse, pool, laundry facility, student lounge, computer lab, and meeting areas. University Hall houses the Helping Hands, SOAR, and RCBiz residential interest groups.

**University Village Apartments** are available to juniors, seniors, graduate students, students who are single parents, and married students. University Village has 36 two-bedroom, one-bath and 48 four-bedroom, two-bath apartments. Each apartment has fully furnished bedrooms, living room, and kitchen. Each bedroom has a full-size bed, study desk and chair, chest of drawers, and closet. The kitchen features an electric range/oven, microwave, dishwasher, and refrigerator. The Village Clubhouse provides a laundry room, student lounge, and swimming pool.

**University Court Apartments** are available to SAU students with families, i.e., single parents or married couples with children. There are 18 furnished two-bedroom, one bath family units available year-round. The laundry room is in a common area.

## **University Services**

### **University Health Service**

The University Health Service is open Monday through Friday from 7:30 a.m. to 5 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.

### **Student Support Services**

Student Support Services is a federally funded program designed to assist qualified students in completing their post-secondary educational goals. The Student Support Services project provides assistance and support tailored to the individual needs of each participant. Academic counseling, improvement of study skills, tutoring, and improvement of basic skills are emphasized. Interested students should contact the Student Support Service staff at (870) 235-5113.

**Tutoring Center**

Free tutorial services are offered in the Academic Enrichment Center (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 from 9:00 am to 5:00 pm Monday through Thursday and 9:00 am to noon on Friday. The center is located on the first floor of Magale Library. Online tutoring is available 24/7 and can be accessed through Blackboard. For additional information contact the Academic Enrichment Center at (870) 235-4385.

**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 Sunday through Friday during the fall and spring semesters and is located downstairs in the Magale Library. For more information contact the SAU Writing Center at (870) 235-4381, or visit the website at [www.saumag.edu/writingcenter](http://www.saumag.edu/writingcenter).

**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 more than 60 student organizations that sponsor activities and functions. Eligibility for membership in organizations is based on interest and, in some cases, academic achievement and invitation. 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 Organizations**

Accounting and Finance Society  
Agricultural Ambassadors  
Agricultural Club  
Athletic Training Students Club  
Biology Club  
Black Student Association  
Chamber Singers  
Chinese Club  
Collegiate Farm Bureau/Agri Business Club  
Collegiate FFA  
Criminal Justice  
Emerging Writers  
Enactus  
Encore  
French Club  
Game Development  
Graduate Student Counseling Association  
Heritage Singers  
History/Political Science Club  
HKR Club  
Honors College Association  
Horticulture Club  
Kappa Psi  
Lambda Alpha Beta  
Lambda Epsilon Iota

**Hall Councils**

Bussey Hall Council  
Burns-Harsh Hall Council  
Columbia Hall Council  
Eichenberger Hall Council  
Fincher Hall Council  
Greene Hall Council  
Harrod Hall Council

**Recognition and Honor Societies**

Alpha Chi  
Alpha Psi Omega (theatre)  
Alpha Tau Alpha  
Beta (biology)  
Beta Gamma Sigma  
Chi Sigma Iota  
Kappa Delta Pi (education)  
National Residence Hall Honorary

Mathematics and Computer Science Club  
Phi Alpha Theta (history)  
Phi Beta Lambda (business)  
Pivot Point (art and design)  
Political Affairs Club  
Pre-Health Club  
Pre-Law Society  
Pre-Med Club  
Pre-Veterinary Club  
Psychology Club  
Rodeo Team  
Russian Club  
Social Work Education Leaders (SWEL)  
Society of Physics Students and Engineering Club  
Spanish Club  
Student Arkansas Education Association  
Student Management and Marketing Association  
Student Nursing Association  
Tau Beta Sigma  
*The Bray Online* (student newspaper)  
University Sociology Club

Honors Hall Council  
Magnolia Hall Council  
Talbot Hall Council  
Talley Hall Council  
University Village Apts. Council  
University Court Apts. Council

National Society of Leadership and Success  
Order of Omega  
Pi Gamma Mu (social sciences)  
Psi Chi (psychology)  
Sigma Tau Delta (English)  
Sigma Alpha Phi (academic/leadership)

**Religious Organizations**

Association of Baptist Students  
Baptist Collegiate Ministry  
Campus Church  
Campus Ministries-International  
Catholic Campus Ministries  
Chi Alpha Christian Fellowship  
Church of Christ Student Center  
Fellowship of Christian Athletes

First Presbyterian Church College Ministry  
Genesis Ministries  
Missionary Baptist Student Fellowship  
(Alpha Omega)  
Real Life Campus Ministries  
Riders for Christ  
Secular Student Alliance  
Wesley Foundation  
World Religions Club

**Special Interest Groups**

Alcohol and Drug Abuse  
Prevention Team (ADAPT)  
Alpha Phi Omega  
Anime Club  
Bass Fishing Team  
Black Student Association  
Cheerleading  
Young Democrats of America  
Young Republicans of America  
Cosplay Club  
Covenant Reformed University  
Cricket Team  
Delta Tau Alpha  
Disc Golf Team  
Ducks Unlimited  
Emerging Entrepreneurs  
Fish and Wildlife  
Fishing Team  
Gaming Guild  
Gay Straight Alliance  
Genesis Ministry Choir  
International Students Association  
Ladies Club  
Latinos Unidos

Live @ SAU  
Mulerider Agri-Women  
Non-Traditional Students  
Phi Mu Alpha Sinfonia  
President's Ambassadors  
Republican Club  
Residential College  
SAU ASTA (Arkansas State Teachers  
Association)  
SAU Fishing Team  
SAU Robotics Club  
SAU Sand Volleyball  
SAU Soccer Club  
Sigma Phi Alpha  
Sister 2 Sister  
Student Outreach for the Differently Abled  
(SODA)  
Student Veterans Association  
Southern Elite  
Trap Shooting Team  
United Arts Club

**Student Government**

Inter-Fraternity Council (IFC)  
Inter-Greek Council (IGC)  
Leadership College  
College Panhellenic Council (CPC)

National Pan-Hellenic Council (NPHC)  
Residence Hall Association  
Student Activities Board (SAB)  
Student Government Association

**Social Fraternities and Sororities**

The University has seven national social sororities and eight national social fraternities. Membership in these fraternities and sororities is by invitation only.

**Fraternities**

Alpha Gamma Rho  
Alpha Phi Alpha  
Iota Phi Theta  
Kappa Alpha Psi  
Omega Psi Phi  
Phi Beta Sigma  
Phi Lambda Chi  
Sigma Pi

**Sororities**

Alpha Kappa Alpha  
Alpha Sigma Alpha  
Phi Mu  
Sigma Alpha  
Sigma Gamma Rho  
Sigma Sigma Sigma  
Zeta Phi Beta

**Publications**

The University has one student publication produced entirely by students. *The Bray* is the campus news source and is published online with one printed edition each fall and spring. This publication offers students opportunities for professional practice and some paying jobs. All students are eligible to apply for positions on the staff of *The Bray*.

*The Mulerider*, SAU's yearbook, is a publication produced by University Communications and Marketing. The yearbook serves as a historic record of each year's events. It includes event photos, student, faculty and staff photos, as well as stories about the people and things that defined the school year.

*The Stater* is the University's magazine for alumni and friends. Published twice each year, the magazine is distributed to more than 20,000 people around the world. It includes special interest stories, University news, student and faculty spotlights, and class news. Content from *The Stater* may also be found online at [www.saustater.com](http://www.saustater.com).

**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 the Donald W. Reynolds Campus and Community 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 Great American Conference in baseball, basketball, cross-country, football, golf, tennis, and track and field.

Women students also compete in the NCAA Division II Great American Conference and have varsity teams in basketball, cross-country, softball, tennis, track and field, volleyball, and golf.

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 the newly developed Club Sports Program for those who have interests in particular areas.

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 allows them to gain hands-on experience in officiating and in organizing several team and individualized sports. The program works hand-in-hand with the Mulerider Activities Center (MAC) to develop a student's interests.

### **Counseling Center**

The Southern Arkansas University Counseling Center plays an active role in promoting student wellness, responsible decision making, and the destigmatization of mental health conditions by providing education and clinical services within the SAU community. Each counselor is a licensed mental health provider in the state of Arkansas.

Actively collaboration in counseling enhances the opportunities of individuals to accomplish their goals and improve overall satisfaction with life. These services are free, confidential and available year round for all students, faculty, and staff. The Counseling Center offers individual and group sessions, as well as workshops and psychoeducational programs. Areas of focus may include: personal, emotional, relational or academic concerns.

Individuals are seen primarily by appointment: however walk-ins may be available. Individuals in crisis are seen as soon as possible. The Counseling Center is located in Reynolds Center, Suite 218 and may be reached at (870) 235-4911. For weekend and after hours emergencies, please call 911 or University Police at (870) 235-4100.

### **The Office of Testing and Disability Services**

The SAU Office of Testing and Disability Services is a national testing center, which administers tests for scholarships, credit by examination, graduate and professional schools, and teacher certification.

The Testing Center administers the following computer-based tests: ACCUPLACER, CLEP, Comprehensive Preparation Exam (CPCE), DSST, Miller Analogy (MAT), PRAXIS, PSI tests, TEAS, and TOEFL. The center also administers the ACT on all national dates as well as the ACT Residual.

In addition, the center proctors on line exams for the institution and other universities.

The Testing Center is located in Donald W. Reynolds Campus and Community Center, room 216, and may be reached by calling (870) 235-4145.

### **Disability Support Services**

It is the policy of SAU to accommodate students with disabilities, including, but not limited to, physical, sensory, learning, psychiatric and medical disabilities, pursuant to federal and state laws. Academic adjustments and auxiliary aids are provided to students with disabilities. If assistance is needed because of a disability, contact the Office of Disability Support Services, at (870) 235-4145. Early contact with the office will provide for a smoother transition in obtaining services.

**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 Testing and Disability Services**  
**100 E. University**  
**MSC 9371**  
**Magnolia, AR 71753**  
**(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.

**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) 235-4925 or contacting the Office of Student Activities in the Reynolds Center.



### **Office of Multicultural Student Services**

Southern Arkansas University is committed to providing opportunities for students 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 associate dean in the Office of Multicultural Services and Diversity or call (870) 235-4046.

### **Career Services**

SAU students and alumni are assisted in their job searches by Career Services. Students visiting Career Services receive assistance with the preparation of résumés and employment application cover letters. Job interviews are scheduled for seniors, and notices of job opportunities are posted on campus bulletin boards and on the Career Services' website.

During the spring semester, the Career Services sponsors a general career day with businesses, industries, government agencies, and graduate schools; and an education fair with area school districts.

Career Services is located in Donald W. Reynolds Campus and Community Center, room 202, and may be reached by calling (870) 235-4097.

### **Career Counseling**

The SAU career planning program is designed to help students identify traits, pinpoint interests related and clarify values related to their interests and career goals. Vocational assessments, self-administered and/or computer-based assist in discovering possible career paths.

## **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 by purchasing 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.

A written verification of illness is issued at the nurse's discretion.

**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 social security card presented at the time of the request to the registrar. **Students whose addresses or telephone numbers change** should report the changes by logging into *Campus Connect*, click *Student Information* > *Demographics* and click on the link provided, or visit the *Office of the Registrar*.

## David F. Rankin College of Business

Dr. Robin Sronce, Dean

### Vision

The Rankin College of Business at Southern Arkansas University will be known for providing a world-class education in a personal environment.

### Mission

The Rankin College of Business at Southern Arkansas University equips future business leaders to succeed in the global economy. We accomplish this through innovative programs, impactful scholarship, engaging pedagogy, and a commitment to the personal and professional growth of our students.

### Core Values

We are guided by the following core values:

- **Excellence in Learning:** We develop and implement best practices in scholarship-supported pedagogy, evaluation, and experiential learning to transform student potential into academic and professional success.
- **Engagement:** We use classroom, research, and professional activities to foster close relationships with students, alumni, industry, community, and university partners to positively impact our university, community, and professions.
- **Ethics:** We expect students, faculty, and professional staff to adhere to and promote the RCB Code of Ethics.
- **Evolving:** We identify opportunities and innovate to better serve our stakeholders.

### Accreditation

The Bachelor of Business Administration degree programs offered by the Rankin College of Business are accredited by AACSB International—The Association to Advance Collegiate Schools of Business (AACSB). AACSB accreditation is the hallmark of excellence in management education, demonstrating the college's commitment to academic and continuous improvement. This accreditation includes all Bachelor of Business Administration and Master of Business Administration degree programs.



### Programs of Study

The Rankin College of Business offers a Bachelor of Business Administration degree (BBA) with programs of study leading to the following majors:

- Accounting
- Business Administration with areas of emphasis selected from the following:
  - Entrepreneurship
  - Finance with options in:
    - Entrepreneurial Finance
    - Financial Analysis
    - Financial Planning
  - General Business with supporting minor field
  - General Business with Agricultural Industries minor
  - Information Systems
  - International Business
  - Management
  - Marketing with options in:
    - Media

- Retailing
- Sales
- Supply Chain Management
- 4+1 Program (BBA & MBA)

The BBA requires 120 semester hours of credit. Degree requirements include 35 hours of general education, 54 hours of business core curriculum, and 31 hours of courses in the major area of emphasis and electives.

#### **Minors in Business**

The college offers minors in accounting, economics, entrepreneurship, finance, general business, information systems, management, and marketing. The minor in general business is not available for business majors. Students earning a business minor must satisfy all prerequisites for courses selected. Non-business students earning a minor in business should consult a business advisor to develop a plan of study that will include all required prerequisites.

#### **Associate Degree in Business**

The college also offers a two-year, 61-hour program in business administration leading to an associate of science (AS) degree.

#### **Assessment**

Learning goals for the BBA and descriptions of the college's assessment procedures can be found on the SAU website.

#### **Requirements for Admission to the Rankin College of Business**

Students must be admitted to the Rankin College of Business prior to enrolling in upper-level business courses. Admission to the college is granted when a student (1) has completed 45 semester hours of credit, and (2) has completed the following 10 courses with a grade point average of 2.3 or higher.

#### **Courses Required for Admission to the Rankin College of Business**

ACCT	2003	Principles of Accounting I
ACCT	2103	Principles of Accounting II
FIN	2003	Personal Finance
ECON	2103	Principles of Microeconomics
ECON	2203	Principles of Macroeconomics
GBUS	2003	Legal Environment of Business
GBUS	2013	Quantitative Analysis I
IS	2053	Business Information Systems
MATH	1023	College Algebra
MGMT	2003	Business Communications

**One semester** of conditional admission may be granted for a student who has earned 45 hours and will be completing remaining requirements during the semester of conditional admission. Students who do not satisfy admission requirements during the semester of conditional admission must complete all requirements prior to enrolling in additional upper-level business courses.

#### **The Business Core Curriculum**

The college requires completion of a common core of business knowledge for students earning a bachelor's degree in business. The 54-hour business core curriculum includes

the 27 hours of lower-level business courses required for admission to the college and 27 hours of upper-level business courses.

ACCT	2003	Principles of Accounting I
ACCT	2103	Principles of Accounting II
FIN	2003	Personal Finance
ECON	2103	Principles of Microeconomics
ECON	2203	Principles of Macroeconomics
GBUS	2003	Legal Environment of Business
GBUS	2013	Quantitative Analysis I
IS	2053	Business Information Systems
MGMT	2003	Business Communications
FIN	3003	Financial Management
GBUS	3183	Quantitative Analysis II
IS	3053	Managing Information Systems
MGMT	3023	Organizational Theory and Behavior
MGMT	3073	Professional Communication Strategies
MGMT	4043	International Business
MGMT	4313	International Studies and Field Experience
MGMT	4063	Production and Operations Management
MGMT	4093	Management Strategy and Policy
MKTG	3033	Principles of Marketing

#### **Business Internships**

Internships are available to many students in the Rankin College of Business. 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 requires a cumulative grade point average of 2.50 or higher, junior or senior standing, and three recommendations of faculty members in the Rankin College of Business.

#### **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 nine hours in a minor. In addition, students must meet the residency requirements for the University.

#### **Facilities**

The Rankin College of Business is housed in Blanchard Hall, specifically designed to provide the latest instructional technology. The three-story facility is one of the finest in the region and provides an exceptional atmosphere for learning. The building houses four computer instruction labs. Classrooms in the building are equipped with Internet access and support multi-media instruction.

#### **Academic Enrichment Opportunities**

Students in the Rankin College of Business have many opportunities to participate in activities that enrich the academic experience, provide leadership opportunities, and contribute to continuous improvement of the business programs.

**The Business Student Advisory Council.** The Business Student Advisory Council offers selected students the opportunity to provide valuable input into policies and procedures in the college 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.** The Business Student Investment Advisory Council manages a special endowment fund for the Rankin College of Business. Members of the finance faculty select students on this council.

**Enactus.** Enactus is a community of student, academic, and business leaders committed to using the power of entrepreneurial action to enable human progress. Through Enactus, students apply business concepts to develop entrepreneurial projects that transform lives and shape a better, more sustainable world. Enactus 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.

**Finance and Economics Society.** The Finance and Economics Society is a professional organization for business students interested in the field of finance and/or economics. This organization seeks to educate students and provide opportunities for personal development and networking through informational sessions and sponsored activities such as field trips and social events.

**Phi Beta Lambda (PBL).** A professional organization for business students, PBL offers 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 Society.** The Accounting Society is a local professional association for students majoring in accounting. Organized in 2001, the Society provides its members with opportunities for career development, networking, and academic enrichment.

**Academic Honor Societies. Beta Gamma Sigma** is the national honor society for students attending colleges accredited by AACSB International – the Association to Advance Collegiate Schools of Business. Founded in 1913, Beta Gamma Sigma recognizes academic excellence in business studies. The Rankin College of Business initiated its chapter of Beta Gamma Sigma in 2006 and invites juniors and seniors who rank in the top 10 percent of their respective class each spring for membership.

### **Master of Business Administration**

The Master of Business Administration degree is offered by the Rankin College of Business at SAU. The 30-hour degree program emphasizes the higher level of knowledge and skills needed to manage organizations successfully. The MBA program consists of 24 hours of graduate core courses and six hours of electives. A student can choose to complete the courses in a traditional night program, through online delivery, or through a combination of the two.

The MBA is also available with three areas of emphasis. The agricultural business emphasis has a 33-hour program, which requires 24 hours of graduate core courses and nine hours of agricultural business electives. The Supply Chain Management emphasis is a 33-hour program, which requires the 24 hours of graduate core courses and nine hours of supply chain management electives. The Social Entrepreneurship (SE) emphasis is a 36-hour program, which requires the 24 core, and 12 hours of SE electives, 6 hours of which must be taken from the MPA SE electives. A student can complete either program in a traditional night program, through online delivery, or through a combination of the two.

## **Degrees and Fields of Specialization**

### **Department of Accounting, Finance, and Economics**

Gerald Plumlee, EdD, Associate Dean and Chair

The Department of Accounting, Finance, and Economics offers a BBA with the choice of a major in accounting or a major in business administration with emphasis in finance. The accounting major is designed for students planning careers in public, corporate, or governmental accounting. The finance emphasis is designed for students planning careers in insurance, real estate, banking, financial management, and investment or financial planning.

The department offers curricula that prepare students to take professional examinations in accounting, such as the uniform CPA examination and the national Certified Financial Planner® examination.

#### **Major in Business Administration:**

##### **Accounting (BBA) - 120 hours**

University General Education	35 hours
Business Core Curriculum	54 hours
Accounting Curriculum	27 hours
Electives	2 hours
University Requirement, GSTD 1002	2 hours

**Note:** Business majors may not take FIN 2003 Personal Finance or ECON 2103 Principles of Microeconomics as part of their general education requirements.

#### **Accounting Curriculum - 27 hours**

ACCT	3003	Intermediate Accounting I
ACCT	3013	Managerial Accounting
ACCT	3023	Individual Income Tax
ACCT	3063	Accounting Information Systems
ACCT	3103	Intermediate Accounting II
ACCT	4003	Auditing

#### **9 hours selected from the following:**

ACCT	3101	VITA Experience
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ACCT	3133	Fraud Examination and Prevention
ACCT	3983	Business Internship in Accounting
ACCT	4033	Oil and Gas Accounting
ACCT	4043	Advanced Financial Accounting I
ACCT	4053	Advanced Financial Accounting II
ACCT	4063	Governmental and Nonprofit Accounting
ACCT	4123	Advanced Taxation

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

Students preparing to take the CPA examination in Arkansas should follow the 120-hour curriculum and complete an additional 30 hours of electives to satisfy the state's 150-hour academic eligibility requirement. Within the 150 hours, the student must include 30 hours of upper-level accounting courses with grades of C or better in each course. Students may choose from a variety of options to meet the 150-hour educational requirement. For example, a student may (1) complete an additional minor area of emphasis in business; (2) complete a minor in a non-business field, such as English or political science; or (3) complete 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 relate to selected electives.

**Major in Business Administration:**

**Finance (BBA) – 120 hours**

University General Education	35 hours
Business Core Curriculum	54 hours
Finance Curriculum	27 hours
Electives	2 hours
University Requirement, GSTD 1002	2 hours

**Note:** Business majors may not take FIN 2003 or ECON 2103 Principles of Microeconomics as part of their general education requirements.

**Finance – Entrepreneurial Finance Option**

FIN	3023	Financial Institutions and Markets
FIN	3033	Entrepreneurial Finance
FIN	3053	Investments
FIN	4003	Advanced Financial Management
MGMT	4023	Entrepreneurship

12 hours selected from the following:

ACCT	3003	Intermediate Accounting I
ACCT	3023	Individual Income Tax
ECON	3093	Managerial Economics
ECON	4023	Free Enterprise Studies and Projects
ECON	4153	History of Economic Thought
FIN	3013	Risk Management and Insurance
FIN	3083	Fundamentals of Real Estate
FIN	3983	Business Internship in Finance
FIN	4063	Retirement Planning and Employee Benefits



FIN	4073	Estate Planning and Taxation
FIN	4143	International Finance
FIN	4153	Finance Field Experience
MKTG	3103	Selling and Sales Management

**Finance – Financial Analysis Option**

ACCT	3003	Intermediate Accounting I
ECON	3093	Managerial Economics
FIN	3023	Financial Institutions and Markets
FIN	3053	Investments
FIN	4003	Advanced Financial Management

12 hours selected from the follow:

ACCT	3023	Individual Tax
ECON	4023	Free Enterprise Studies and Projects
ECON	4153	History of Economic Thought
FIN	3013	Risk Management and Insurance
FIN	3033	Entrepreneurial Finance
FIN	3083	Fundamentals of Real Estate
FIN	3983	Business Internship in Finance
FIN	4063	Retirement Planning and Employee Benefits
FIN	4073	Estate Planning and Taxation
FIN	4143	International Finance
FIN	4153	Finance Field Experience
MATH	1525	Calculus I
SCM	3043	Business Analytics

**Finance – Financial Planning Option**

ACCT	3023	Individual Income Tax
FIN	3013	Risk Management and Insurance
FIN	3023	Financial Institutions and Markets
FIN	3053	Investments
FIN	4003	Advanced Financial Management
FIN	4063	Retirement Planning and Employee Benefits
FIN	4073	Estate Planning and Taxation

6 hours selected from the following:

ACCT	3003	Intermediate Accounting I
ECON	3093	Managerial Economics
ECON	4023	Free Enterprise Studies and Projects
ECON	4153	History of Economic Thought
FIN	3033	Entrepreneurial Finance
FIN	3083	Fundamentals of Real Estate
FIN	3983	Business Internship in Finance
FIN	4143	International Finance
FIN	4153	Finance Field Experience
MKTG	3103	Selling and Sales Management

## Department of Management, Marketing, and Information Systems

Gerald Plumlee, EdD, Associate Dean and Chair

The Department of Management, Marketing, and Information Systems offers a major in business administration with choices from six areas of emphasis:

- Entrepreneurship
- General Business with supporting minor field
- Information Systems
- Management
- Marketing
- Supply Chain Management

Students pursuing areas of emphasis in management readily find employment in a variety of exciting areas in business and industry. Understanding that management skills are needed in every organization, students selecting a concentration in management find a wide range of career opportunities, ranging from small business management to business consulting to corporate management. Students pursuing a concentration in IS find career opportunities in computer programming, networking administration, database management, or business analysis. Students pursuing an emphasis in marketing find career opportunities in sales, retail management, advertising, marketing research, and product development.

Additionally, the department offers a two-year, 61-hour program in business administration leading to an associate of science (A.S.) degree.

### **Major in Business Administration: Entrepreneurship (BBA) - 120 hours**

University General Education	35 hours
Business Core Curriculum	54 hours
Entrepreneurship Curriculum	24 hours
Electives	5 hours
University Requirements, GSTD 1002	2 hours

**Note:** Business majors may not take FIN 2003 or ECON 2103 Principles of Microeconomics as part of their general education requirements.

### **Entrepreneurship Curriculum – 24 hours**

FIN	3033	Entrepreneurial Finance
IS	3003	Website Development for Business and Commerce
MGMT	4023	Entrepreneurship
MKTG	4053	Integrated Marketing Communications

### Select 3 hours from the following:

MGMT	4203	Guided Senior Experience for Entrepreneurs
ACCT, FIN, IS, MGMT, MKTG, or SCM	3983	Business Internship

### Select 9 hours from the following:

ART	2123	Graphic Software Applications*
ART	3353	Multimedia and Web Design I*
IS	2103	Object Oriented Programming*
IS/MKTG	3413	Social Media for Business

MGMT	4053	Human Resources Management
MGMT	4073	Supply Chain Management
MKTG	4023	Marketing Research
MKTG	4043	Retailing

\*Web-based entrepreneurs should consider taking

**Major in Business Administration:  
General Business (BBA) - 120 hours**

University General Education	35 hours
Business Core Curriculum	54 hours
Minor Field*	15-21 hours
Upper-level Business Electives	6 hours
Electives	2-8 hours
University Requirements, GSTD 1002	2 hours

\*including at least nine hours upper-level courses

**Note:** Business majors may not take FIN 2003 Personal Finance or ECON 2103 Principles of Microeconomics as part of their general education requirements.

**Major in Business Administration:  
General Business (BBA) with Agricultural Industries Minor - 120 hours**

Students earning a BBA in general business with the agricultural industries minor complete 120 hours, including the following specific requirements:

University General Education	35 hours
Business Core	54 hours
Agricultural Industries Curriculum	19 hours
Approved Electives	10 hours
University Requirement, GSTD 1002	2 hours

**Note:** Business majors may not take FIN 2003 Personal Finance or ECON 2103 Principles of Microeconomics as part of their general education requirements.

**Agricultural Industries Curriculum - 19 hours**

AGEC	3043	Farm Management
ANSC	1003/1001	Introduction to Animal Science/Lab
AGEC	4053	Agricultural Policies and Procedures
FIN	3083	Fundamentals of Real Estate
PLSC	1003	Introduction to Plant Science
PLSC	2022/2021	Elements of Forestry/Lab

**Major in Business Administration:  
International Business (BBA) – 120 hours**

University General Education*	35 hours
Business Core Curriculum	54 hours
International Curriculum	12 hours
Additional Foreign Language	3 hours
Upper-Level Business Electives	12 hours
Electives	2 hours
University Requirement, GSTD 1002	2 hours

\*3 hours of foreign language required

**Note:** Business majors may not take FIN 2003 Personal Finance or ECON 2103 Principles of Microeconomics as part of their general education requirements.

**Note:** This major requires time spent abroad. Options include – semester study abroad, internship abroad, or approved short study abroad trip.

**Semester Study Abroad Option\***

If spending a semester abroad, student with help from their advisor and approval of the dean, will select 12 credits of international business classes and/or international relation classes offered by the host university during that term and complete required *Leave of Absence Form* and *Request for Transfer of Credit Form* as needed. In order for a course to transfer to SAU, student must receive a C or above or the equivalent grade as approved by the Dean of the Rankin College of Business.

\*The 12 hours earned as part of the study abroad would be exempt from the residency requirement if part of the last 24 hours completed by the student.

**Internship Abroad Option**

For an internship abroad, three hours of internship credit and nine hours of additional electives will be required. Electives can be selected from the list below offered at Southern Arkansas University. International students will complete an internship in the United States. All other students will complete an internship abroad with approval from internship coordinator and dean.

**Short Term Study Abroad Option**

Short-term study abroad must be led by SAU faculty or approved program. Students will receive 3 hours of credit from travel trip (MGMT 4313 International Studies and Field Experience) and then select from electives offered below.

9 hours selected from the following (only one of the three courses can be HIST):

FIN	4143	International Finance
MM	4103	International Public Relations (prerequisite waived for International Business majors)
MM	4123	International Mass Media
PSCI	3003	International Relations
PSCI	3193	Political Geography
PSCI	4083	Global Issues
HIST	3123	Russia and the Soviet Union
HIST	3173	Modern South Asia
HIST	3303	Modern China
HIST	3313	Modern Japan

Additional courses as approved by Dean of the Rankin College of Business

**International Business Double Major**

Students may pair this with another major in the Rankin College of Business. They will need to complete the abroad component, international curriculum, and foreign language. They can complete the double major with 135 hours.

**Major in Business Administration:  
Management (BBA) – 120 hours**

University General Education	35 hours
Business Core Curriculum	54 hours

Management Curriculum	24 hours
Electives	5 hours
University Requirement, GSTD 1002	2 hours

**Note:** Business majors may not take FIN 2003 Personal Finance or ECON 2103 Principles of Microeconomics as part of their general education requirements.

**Management Curriculum – 24 hours**

MGMT	3083	Leadership and Ethics
MGMT	4023	Entrepreneurship
MGMT	4053	Human Resources Management
MGMT	4073	Supply Chain Management
MGMT	4103	Total Quality Management

9 hours selected from the following:

ITEC	3043	Work Analysis
MGMT	3983	Business Internship in Management
PSYC	4023	Industrial and Organizational Psychology
Any upper-level business course		

**Major in Business Administration:  
Information Systems (BBA) – 120 hours**

University General Education	35 hours
Business Core Curriculum	54 hours
Information Systems Curriculum	24 hours
Electives	5 hours
University Requirement, GSTD 1002	2 hours

**Note:** Business majors may not take FIN 2003 Personal Finance or ECON 2103 Principles of Microeconomics as part of their general education requirements.

**Information Systems Curriculum – 24 hours**

IS	2103	Object Oriented Programming
IS	2203	Introduction to Networking I
IS	3403	Database Management Systems
IS	4213	Systems Analysis and Design
IS	4303	Enterprise Information Systems
SCM	3043	Business Analytics

6 hours selected from the following:

IS	3003	Website Development for Business and Commerce
IS	3063	Accounting Information Systems
IS	3413	Social Media for Business
IS	3983	Business Internship in Information Systems
IS	4001-3	Special Topics in Information Systems I
IS	4011-3	Special Topics in Information Systems II
MGMT	4073	Supply Chain Management

**Major in Business Administration:  
Supply Chain Management (BBA) – 120 hours**

University General Education	35 hours
Business Core Curriculum	54 hours
Supply Chain Management Curriculum	24 hours
Electives	5 hours
University Requirement, GSTD 1002	2 hours

**Note:** Business majors may not take FIN 2003 Personal Finance or ECON 2103 Principles of Microeconomics as part of their general education requirements.

**Supply Chain Management Curriculum – 24 hours**

SCM	3033	Supply Chain Management Technology
SCM	3043	Business Analytics
SCM	3053	Project Management
SCM	4053	Environmentally Sustainable Practices
SCM	4073	Supply Chain Management

9 hours upper level Business electives

**Major in Business Administration:  
Marketing (BBA) - 120 hours**

University General Education	35 hours
Business Core Curriculum	54 hours
Marketing Emphasis Curriculum	24 hours
Electives	5 hours
University Requirement, GSTD 1002	2 hours

**Note:** Business majors may not take FIN 2003 Personal Finance or ECON 2103 Principles of Microeconomics as part of their general education requirements.

**Media Option**

**Marketing Core - 9 hours**

MKTG	3063	Consumer Behavior
MKTG	4023	Marketing Research
MKTG	4103	Marketing Management

**Media Curriculum – 15 hours**

ART	2123	Graphic Software Applications
IS	3003	Website Development for Business and Commerce
MKTG	3413	Social Media for Business
MKTG	4053	Integrated Marketing Communications

3 hours selected from the following:

ECON	4023	Free Enterprise Studies and Projects
ART, IS, MCOM, MKTG, or MM		

**Retailing Option**

**Marketing Core – 9 hours**

MKTG	3063	Consumer Behavior
MKTG	4023	Marketing Research
MKTG	4103	Marketing Management

**Retailing Curriculum – 15 hours**

MKTG	4043	Retailing
MKTG	4053	Integrated Marketing Communications
MKTG	4073	Supply Chain Management

6 hours selected from the following:

ECON	4023	Free Enterprise Studies and Projects
MKTG	3103	Selling and Sales Management
MKTG	3413	Social Media for Business
MGMT	4053	Human Resources Management

Upper level IS, MGMT, or MKTG courses

**Sales Option**

**Marketing Core – 9 hours**

MKTG	3063	Consumer Behavior
MKTG	4023	Marketing Research
MKTG	4103	Marketing Management

**Sales Curriculum – 15 hours**

MKTG	3103	Selling and Sales Management
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12 hours selected from the following:

ECON	4023	Free Enterprise Studies and Projects
FIN	3013	Risk Management and Insurance
FIN	3083	Fundamentals of Real Estate
MKTG	3413	Social Media for Business

Upper level MGMT or MKTG courses

**Double Major in the Rankin College of Business**

Students in the Rankin College of Business 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 and may double count up to nine hours. A total of 135 hours must be earned to double major in the Rankin College of Business.

**Optional 4+1 for Business Majors (BBA/MBA)**

SAU offers an optional 4+1 program for business majors that allows students to earn the BBA and MBA degrees simultaneously in five years. During the senior year, students can concurrently complete six graduate hours. By the end of the fourth year, students should complete 126 hours (120 undergraduate and 6 graduate hours). Students will then complete 24 graduate hours during the fifth year. **Please see the PACT8 for the suggested course sequence.** If a student decides to leave the BBA degree early or fails to maintain the required criteria for the 4+1 BBA/MBA program, the students will move to the BBA option.

**Admission Deadline:** July 1, before the senior year. Enrollment in fall semester. Transfer applications will be considered on a case by case basis.

**Admission Requirements:** Minimum overall GPA of 3.25 and 3.50 GPA in business core courses at the time of application.

**Graduation:** 3.00 GPA required with no “C” grades in any graduate courses.

**Associate of Science with Major in Business Administration (AS) - 61 hours**

General Education Courses*	32 hours
Business Curriculum	27 hours
University Requirement, GSTD 1002	2 hours

\*Social science included in A.S. degree requirements

**Business Curriculum - 27 hours**

ACCT	2003	Principles of Accounting I
ACCT	2103	Principles of Accounting II
ECON	1003	American Enterprise System
<b>or</b>		
FIN	2003	Personal Finance
ECON	2103	Principles of Microeconomics
ECON	2203	Principles of Macroeconomics
GBUS	2003	Legal Environment of Business
GBUS	2013	Quantitative Analysis I
IS	2053	Business Information Systems
MGMT	2003	Business Communications

**Minors in Business**

**Minor in Accounting - 15 hours**

ACCT	3003	Intermediate Accounting I*
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Plus 12 hours of upper-level accounting courses

\*(ACCT 2003 and ACCT 2103 are prerequisites to ACCT 3003)

**Minor in Economics – 15 hours**

ECON	3093	Managerial Economics*
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9 hours selected from the following:

AGEC	3043	Farm Management
ECON	4023	Free Enterprise Studies
ECON	4043	Issues in Environmental Economics
FIN	2003	Personal Finance
FIN/ECON	3023	Financial Institutions and Markets
FIN	3033	Entrepreneurial Finance
FIN	3083	Fundamentals of Real Estate
GEOG	3043	Human Geography
GEOG	3193	Political Geography
GEOG/PSCI	4003/4343	Advanced Topics
ITEC	3043	Work Analysis
MGMT	4023	Entrepreneurship

3 hours selected from the following:

PSCI	3003	International Relations
PSCI	4203	Comparative Politics
PSCI	4083	Global Issues
SOC	3013	Social Problems
ECON/PSCI/SOC	4153	History of Economic Thought

\*(ECON 2103 and ECON 2203 are prerequisites to ECON 3093)

**Minor in Entrepreneurship - 18 hours**

FIN	3033	Entrepreneurial Finance
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IS	3003	Website Development for Business and Commerce
MGMT	4023	Entrepreneurship
MKTG	4053	Integrated Marketing Communications

6 hours selected from the following:

IS/MKTG	3413	Social Media for Business
MGMT	4053	Human Resources Management
MGMT	4073	Supply Chain Management
MKTG	3063	Consumer Behavior
MKTG	4023	Marketing Research
MKTG	4043	Retailing

**Minor in Entrepreneurship** - 21 hours

*This minor is not available for business majors.*

ACCT	2003	Principles of Accounting I
FIN	3033	Entrepreneurial Finance
IS	3003	Website Development for Business and Commerce
MGMT	4023	Entrepreneurship
MKTG	3033	Principles of Marketing

6 hours selected from the following:

IS/MKTG	3413	Social Media for Business
MGMT	3023	Organizational Theory and Behavior
MGMT	4053	Human Resources Management
MGMT	4073	Supply Chain Management
MKTG	3063	Consumer Behavior
MKTG	4043	Retailing
MKTG	4053	Integrated Marketing Communications

**Minor in Finance** - 15 hours

15 hours of upper-level finance courses\*

(\*FIN 3003 is a prerequisite to the 15-hour curriculum)

**Minor in General Business** - 21 hours

*This minor is not available for business majors.*

ACCT	2003	Principles of Accounting I
ACCT	2103	Principles of Accounting II
ECON	2103	Principles of Microeconomics
FIN	3003	Financial Management
GBUS	2013	Quantitative Analysis I
MGMT	3023	Organizational Theory and Behavior
MKTG	3033	Principles of Marketing

**Minor in Information Systems** - 15 hours

IS	2103	Object Oriented Programming
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Plus 12 hours of IS courses, including at least 9 hours of upper-level IS courses\*

(\*IS 2053 is a prerequisite to the 15-hour curriculum)

**Minor in Marketing** - 15 hours

15 hours selected from the following:

Any upper-level marketing courses\*

IS                            **or**                            Website Development for Business and  
   3003                            Commerce

(\*MKTG 3033 is a prerequisite to the 15-hour curriculum)

**Minor in Management** - 15 hours

15 hours of upper-level management courses\*

(\*MGMT 3023 is a prerequisite to the 15-hour curriculum)

**Major and Minor in the Rankin College of Business**

Students in the Rankin College of Business may choose to simultaneously complete the requirements for a business major and a business minor. Students electing to major and minor in business fields must complete all the requirements for the major and minor and may double count up to six hours. A total of 129 hours must be earned to complete a major and minor in the Rankin College of Business.

**David F. Rankin College of Business**  
**PACT 8 Degree Plans**

## Accounting Major (BBA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
FIN 2003 Personal Finance	3	IS 2053 Business Information Systems	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
GSTD 1002 Freshman Seminar	2	Biological Science Choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
Free Elective	1		
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3
MGMT 2003 Business Communications	3	ACCT 2103 Principles of Accounting II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001,PHYS 2133/2131, or PHYS 2203/2201)	4	GBUS 2013 Quantitative Analysis I	3
ECON 2103 Principles of Microeconomics	3	ECON 2203 Principles of Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	GBUS 2003 Legal Environment	3
<b>Total semester hours</b>	<b>16</b>	<b>Total semester hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
ACCT 3003 Intermediate Accounting I	3	ACCT 3103 Intermediate Accounting II	3
ACCT 3013 Managerial Accounting	3	ACCT 3063 Accounting Information Systems	3
FIN 3003 Financial Management	3	ACCT 3023 Individual Income Tax	3
GBUS 3183 Quantitative Analysis II	3	MKTG 3003 Principles of Marketing	3
IS 3053 Managing Information Systems	3	MGMT 3023 Organizational Theory and Behavior	3
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
ACCT 4003 Auditing	3	MGMT 4043 International Business or MGMT 4313 International Studies and Field Experience	3
MGMT 3073 Professional Communication Strategies	3	MGMT 4093 Management Strategy and Policy	3
MGMT 4063 Production and Operations Management	3	Accounting Elective	3
Accounting Elective	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
Accounting Elective	3	Free Elective (ACCT 3101 recommended)	1
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>13</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Accounting electives offered each fall	Accounting electives offered each spring
ACCT 3983 Business Internship in Accounting	ACCT 3101 VITA Experience
ACCT 4033 Oil and Gas Accounting	ACCT 3983 Business Internship in Accounting
ACCT 4043 Advanced Financial Accounting I	ACCT 4053 Advanced Financial Accounting II
ACCT 4123 Advanced Taxation	ACCT 4063 Governmental and Nonprofit Accounting
Accounting electives offered each summer	
ACCT 3133 Fraud Examination	ACCT 3983 Business Internship in Accounting

## Entrepreneurship (BBA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	IS 2053 Business Information Systems	3
FIN 2003 Personal Finance	3	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Free Elective	1	Biological Science Choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
GSTD 1002 Freshmen Seminar	2		
	<b>15</b>		<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	MGMT 2003 Business Communications	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3
GBUS 2003 Legal Environment	3	GBUS 2013 Quantitative Analysis I	3
ECON 2103 Microeconomics	3	ECON 2203 Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	ACCT 2103 Principles of Accounting II	3
	<b>16</b>		<b>15</b>
Fall - Semester 5		Spring - Semester 6	
MGMT 4023 Entrepreneurship	3	FIN 3033 Entrepreneurial Finance	3
GBUS 3183 Quantitative Analysis II	3	Entrepreneurship Elective	3
MGMT 3073 Professional Communication Strategies	3	MGMT 3023 Organizational Theory and Behavior	3
IS 3053 Managing Information Systems	3	IS 3003 Web Development for Business and Commerce	3
MKTG 3033 Principles of Marketing	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
	<b>15</b>		<b>15</b>
Fall - Semester 7		Spring - Semester 8	
MGMT 4063 Production and Operations Management	3	MKTG 4053 Integrated Marketing Communication	3
FIN 3003 Financial Management	3	MGMT 4203 Guided Senior Experience for Entrepreneurs or Appropriate Business Internship	3
Entrepreneurship Elective	3	MGMT 4093 Strategy & Policy	3
Entrepreneurship Elective	3	MGMT 4043 International Business or MGMT 4313 International Field Experience	3
Free Elective	3	Free elective	1
	<b>15</b>		<b>13</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Entrepreneurship Electives (\*Web-based entrepreneurs should consider taking these courses.)

Offered each fall	Offered each spring
ART 2123 Graphic Software Applications*	MGMT 4053 Human Resource Management
ART 3353 Multimedia & Web Design I*	MGMT 4073 Supply Chain Management
IS 2103 Object Oriented Programming*	
MKTG 4023 Marketing Research	
MKTG 4043 Retailing	
IS/MKTG 3413 Social Media for Business	

**Finance: Entrepreneurial Finance Option (BBA)**

Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	IS 2053 Business Information Systems	3
FIN 2003 Personal Finance	3	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshmen Seminar	2	Biological Science Choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
	<b>14</b>		<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	ACCT 2103 Principles of Accounting II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	MGMT 2003 Business Communications	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	GBUS 2013 Quantitative Analysis I	3
ECON 2103 Microeconomics	3	ECON 2203 Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	GBUS 2003 Legal Environment	3
	<b>16</b>		<b>15</b>
Fall - Semester 5		Spring - Semester 6	
IS 3053 Managing Information Systems	3	MGMT 3073 Professional Communication Strategies	3
GBUS 3183 Quantitative Analysis II	3	MGMT 3023 Organizational Theory and Behavior	3
FIN 3003 Financial Management	3	FIN 3023 Financial Institutions	3
MKTG 3033 Principles of Marketing	3	FIN 3033 Entrepreneurial Finance	3
Finance Elective	3	FIN 3053 Investments	3
	<b>15</b>		<b>15</b>
Fall - Semester 7		Spring - Semester 8	
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	MGMT 4093 Strategy & Policy	3
MGMT 4063 Production and Operations Management	3	MGMT 4043 International Business or MGMT 4313 International Field Experience	3
FIN 4003 Advanced Financial Management	3	Finance Elective	3
MGMT 4023 Entrepreneurship	3	Finance Elective	3
Finance Elective	3	Free Elective	2
	<b>15</b>		<b>14</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Finance electives offered each fall	Finance electives offered each spring
ACCT 3003 Intermediate Accounting I	ACCT 3003 Intermediate Accounting I
ACCT 3023 Individual Income Tax	ECON 3093 Managerial Economics
FIN 3013 Risk Management & Insurance	ECON 4023 Free Enterprise Studies
FIN 3083 Fundamentals of Real Estate	ECON 4153 History of Economic Thought (even years)
FIN 3983 Internship	FIN 3983 Internship
FIN 4063 Retirement Planning	FIN 4073 Estate Planning
MGMT 4023 Entrepreneurship	FIN 4153 Financial Field Experience
<b>Finance electives offered as needed</b>	MKTG 3103 Selling/Sales Management
FIN 4143 International Finance	

### Finance: Financial Analysis Option (BBA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	Biological Science Choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
FIN 2003 Personal Finance	3	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshmen Seminar	2	IS 2053 Business Information Systems	2
	<b>14</b>		<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	ACCT 2103 Principles of Accounting II	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	GBUS 2013 Quantitative Analysis I	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	MGMT 2003 Business Communications	3
ACCT 2003 Principles of Accounting I	3	ECON 2203 Macroeconomics	3
ECON 2103 Microeconomics	3	GBUS 2003 Legal Environment	3
	<b>16</b>		<b>15</b>
Fall - Semester 5		Spring - Semester 6	
ACCT 3003 Intermediate Accounting I	3	FIN 3023 Financial Institutions	3
GBUS 3183 Quantitative Analysis II	3	FIN 3053 Investments	3
FIN 3003 Financial Management	3	ECON 3093 Managerial Economics	3
MKTG 3033 Principles of Marketing	3	MGMT 3023 Organizational Theory and Behavior	3
IS 3053 Managing Information Systems	3	MGMT 3073 Professional Communication Strategies	3
	<b>15</b>		<b>15</b>
Fall - Semester 7		Spring - Semester 8	
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	MGMT 4093 Strategy & Policy	3
MGMT 4063 Production and Operations Management	3	MGMT 4043 International Business or MGMT 4313 International Field Experience	3
FIN 4003 Advanced Financial Management	3	Finance Electives	6
Finance Electives	6	Free Elective	2
	<b>15</b>		<b>14</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Finance electives offered each fall	Finance electives offered each spring
ACCT 3023 Individual Income Tax	ECON 4023 Free Enterprise Studies
FIN 3013 Risk Management & Insurance	ECON 4153 History of Economic Thought (even years)
FIN 3083 Fundamentals Of Real Estate	FIN 3033 Entrepreneurial Finance
FIN 3983 Internship	FIN 3983 Internship
FIN 4063 Retirement Planning	FIN 4073 Estate Planning
MATH 1525 Calculus I	FIN 4153 Finance Field Experience
<b>Finance electives offered as needed</b>	SCM 3043 Business Analytics
FIN 4143 International Finance	
FIN 4103 Advanced Financial Planning	

### Finance: Financial Planning Option (BBA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	Biological Science Choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
FIN 2003 Personal Finance	3	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshmen Seminar	2	IS 2053 Business Information Systems	3
	<b>14</b>		<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	ACCT 2103 Principles of Accounting II	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	GBUS 2013 Quantitative Analysis I	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	MGMT 2003 Business Communications	3
ECON 2103 Microeconomics	3	ECON 2203 Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	GBUS 2003 Legal Environment	3
	<b>16</b>		<b>15</b>
Fall - Semester 5		Spring - Semester 6	
FIN 3013 Risk Management & Insurance	3	MGMT 3023 Organizational Theory and Behavior	3
GBUS 3183 Quantitative Analysis II	3	FIN 3023 Financial Institutions	3
FIN 3003 Financial Management	3	FIN 3053 Investments	3
IS 3053 Managing Information Systems	3	MGMT 3073 Professional Communication Strategies	3
MKTG 3033 Principles of Marketing	3	ACCT 3023 Individual Income Tax	3
	<b>15</b>		<b>15</b>
Fall - Semester 7		Spring - Semester 8	
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	MGMT 4093 Strategy & Policy	3
MGMT 4063 Production and Operations Management	3	MGMT 4043 International Business or MGMT 4313 International Field Experience	3
FIN 4003 Advanced Financial Management	3	FIN 4073 Estate Planning	3
FIN 4063 Retirement Planning	3	Finance Elective	3
Finance Elective	3	Free Elective	2
	<b>15</b>		<b>14</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Finance electives offered each fall	Finance electives offered each spring
ACCT 3003 Intermediate Accounting I	ACCT 3003 Intermediate Accounting I
FIN 3083 Fundamentals of Real Estate	ECON 3093 Managerial Economics
FIN 3983 Internship	ECON 4023 Free Enterprise Studies
	ECON 4153 History of Economic Thought (even years)
<b>As Needed</b>	FIN 3033 Entrepreneurial Finance
FIN 4103 Advanced Financial Planning	FIN 3983 Internship
FIN 4143 International Finance	FIN 4153 Finance Field Experience
	MKTG 3103 Selling/Sales Management



## General Business (BBA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	IS 2053 Business Information Systems	3
FIN 2003 Personal Finance	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
GSTD 1002 Freshman Seminar	2	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	GBUS 2013 Quantitative Analysis I	3
MGMT 2003 Business Communications	3	ACCT 2103 Principles of Accounting II	3
Physical Science Choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3
ECON 2103 Principles of Microeconomics	3	ECON 2203 Principles of Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	GBUS 2003 Legal Environment	3
<b>Total semester hours</b>	<b>16</b>	<b>Total semester hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
MKTG 2103 Principles of Marketing	3	MGMT 3073 Professional Communication Strategies	3
GBUS 3183 Quantitative Analysis II	3	FIN 3003 Financial Management	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	MGMT 3023 Organizational Theory and Behavior	3
Free elective	3	Minor requirement or free elective	3
IS 3053 Managing Information Systems	3	Minor requirement	3
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
MGMT 4063 Production and Operations Management	3	MGMT 4043 International Business or MGMT 4313 International Studies and Field Experience	3
Minor requirement	3	MGMT 4093 Management Strategy and Policy	3
UL Business elective	3	Minor requirement or free elective	5
Minor requirement or free elective	3	UL Business elective	3
Minor requirement	3		
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>14</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

**General Business Agricultural Industries Minor (BBA)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	IS 2053 Business Information Systems	3
FIN 2003 Personal Finance	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
GSTD 1002 Freshman Seminar	2	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
<b>Total semester hours</b>	<b>14</b>	<b>Total semester hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4
ANSC 1003/1001 Introduction to Animal Science/Lab	4	GBUS 2013 Quantitative Analysis I	3
MGMT 2033 Business Communications	3	ACCT 2103 Principles of Accounting II	3
ECON 2103 Principles of Microeconomics	3	ECON 2203 Principles of Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	PLSC 1003 Introduction to Plant Science	3
<b>Total semester hours</b>	<b>16</b>	<b>Total semester hours</b>	<b>16</b>
Fall - Semester 5		Spring - Semester 6	
PLSC 2022/2021 Elements of Forestry/Lab	3	AGEC 3043 Farm Management	3
MKTG 3033 Principles of Marketing	3	MGMT 3073 Professional Communication Strategies	3
GBUS 2003 Legal Environment	3	MGMT 3023 Organizational Theory and Behavior	3
IS 3053 Managing Information Systems	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, or THEA 2003)	3
GBUS 3183 Quantitative Analysis II	3	Approved UL AGRI Elective	3
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
FIN 3003 Financial Management	3	MGMT 4043 International Business or MGMT 4313 International Studies and Field Experience	3
FIN 3083 Fundamentals of Real Estate	3	MGMT 4093 Management Strategy and Policy	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	MGMT 4063 Production and Operations Management	3
Upper-level Business Elective	3	Approved Upper-level Business	3
Approved Upper level Business or AGECE 4053 Policies and Procedures	3	Free Elective	1
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>13</b>

Total hours required for major = 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

**International Business – Study Abroad Option (BBA)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	IS 2053 Business Information Systems	3
FIN 2003 Personal Finance	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshman Seminar	2	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
Free Elective	1		
Total semester hours	<b>15</b>	Total semester hours	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	GBUS 2013 Quantitative Analysis I	3
Foreign Language	3	ACCT 2103 Principles of Accounting II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	ECON 2203 Principles of Macroeconomics	3
ECON 2103 Principles of Microeconomics	3	GBUS 2003 Legal Environment	3
ACCT 2003 Principles of Accounting I	3	Foreign Language	3
Total semester hours	<b>16</b>	Total semester hours	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
MGMT 2003 Business Communications	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
GBUS 3183 Quantitative Analysis II	3	MGMT 4043 International Business or MGMT 4313 International Studies and Field Experience	3
MGMT 3023 Organizational Theory and Behavior	3	MGMT 3073 Professional Communication Strategies	3
IS 3053 Managing Information Systems	3	UL Business Elective	3
MKTG 3033 Principles of Marketing	3	FIN 3003 Financial Management	3
Total semester hours	<b>15</b>	Total semester hours	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
Approved Study Abroad	12	MGMT 4063 Production and Operations Management	3
		MGMT 4093 Management Strategy and Policy	3
		UL Business Electives	9
		Free Elective	1
Total semester hours	<b>12</b>	Total semester hours	<b>16</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

**International Business – Short Term Study Abroad Option (BBA)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	IS 2053 Business Information Systems	3
FIN 2003 Personal Finance	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshman Seminar	2	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
Free Elective	1		
Total semester hours	<b>15</b>	Total semester hours	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	GBUS 2013 Quantitative Analysis I	3
Foreign Language	3	ACCT 2103 Principles of Accounting II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	ECON 2203 Principles of Macroeconomics	3
ECON 2103 Principles of Microeconomics	3	GBUS 2003 Legal Environment	3
ACCT 2003 Principles of Accounting I	3	Foreign Language	3
Total semester hours	<b>16</b>	Total semester hours	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
MGMT 2003 Business Communications	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
GBUS 3183 Quantitative Analysis II	3	MGMT 4043 International Business	3
MGMT 3023 Organizational Theory and Behavior	3	MGMT 3073 Professional Communication Strategies	3
IS 3053 Managing Information Systems	3	UL Business Elective	3
International Business Elective	3	FIN 3003 Financial Management	3
Total semester hours	<b>15</b>	Total semester hours	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
MGMT 4313 International Studies and Field Experience**	3	International Business Electives	6
MKTG 3033 Principles of Marketing	3	MGMT 4093 Management Strategy and Policy	3
MGMT 4063 Production and Operations Management	3	UL Business Elective	3
UL Business Electives	6	Free Elective	1
Total semester hours	<b>15</b>	Total semester hours	<b>13</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\* Short-term international study abroad options are often completed during spring break or intersessions.

International Business Electives	
Fall	Spring
MM 4123 International Mass Media	MM 4103 International Public Relations
PSCI 3193 Political Geography	PSCI 3003 International Relations
PSCI 4083 Global Issues	<b>As Needed</b>
	FIN 4143 International Finance
	HIST 3123, 3173, 3303, or 3313 (only one HIST course can be used to fulfill International Elective requirement)

**International Business – Internship Option (BBA)**

Suggested Plan of Study		2020-2021 Catalog	
<b>Fall - Semester 1</b>		<b>Spring - Semester 2</b>	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	IS 2053 Business Information Systems	3
FIN 2003 Personal Finance	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshman Seminar	2	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
Free Elective	1		
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>16</b>
<b>Fall - Semester 3</b>		<b>Spring - Semester 4</b>	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	GBUS 2013 Quantitative Analysis I	3
Foreign Language	3	ACCT 2103 Principles of Accounting II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	ECON 2203 Principles of Macroeconomics	3
ECON 2103 Principles of Microeconomics	3	GBUS 2003 Legal Environment	3
ACCT 2003 Principles of Accounting I	3	Foreign Language	3
<b>Total semester hours</b>	<b>16</b>	<b>Total semester hours</b>	<b>15</b>
<b>Fall - Semester 5</b>		<b>Spring - Semester 6</b>	
MGMT 2003 Business Communications	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
GBUS 3183 Quantitative Analysis II	3	MGMT 4043 International Business or MGMT 4313 International Studies and Field Experience	3
MGMT 3023 Organizational Theory and Behavior	3	MGMT 3073 Professional Communication Strategies	3
IS 3053 Managing Information Systems	3	UL Business Elective	3
International Business Elective	3	FIN 3003 Financial Management	3
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>15</b>
<b>Fall - Semester 7</b>		<b>Spring - Semester 8</b>	
IB 3983 Internship**	3	International Business Electives	6
MKTG 3033 Principles of Marketing	3	MGMT 4093 Management Strategy and Policy	3
MGMT 4063 Production and Operations Management	3	UL Business Elective	3
UL Business Electives	6	Free Elective	1
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>13</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\* International Internship can also be completed during the summer sessions.

<b>International Business Electives</b>	
<b>Fall</b>	<b>Spring</b>
MM 4123 International Mass Media	MM 4103 International Public Relations
PSCI 3193 Political Geography	PSCI 3003 International Relations
PSCI 4083 Global Issues	<b>As Needed</b>
	FIN 4143 International Finance
	HIST 3123, 3173, 3303, or 3313 (only one HIST course can be used to fulfill International Elective requirement)

### Management Major (BBA)

Suggested Plan of Study		2020-2021 Catalog	
Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	IS 2053 Business Information Systems	3
FIN 2003 Personal Finance	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshman Seminar	2	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
Free Elective	1		
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	GBUS 2013 Quantitative Analysis I	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	ACCT 2103 Principles of Accounting II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3
ECON 2103 Principles of Microeconomics	3	ECON 2203 Principles of Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	GBUS 2003 Legal Environment	3
<b>Total semester hours</b>	<b>16</b>	<b>Total semester hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
MGMT 2003 Business Communications	3	MGMT 4043 International Business or MGMT 4313 International Studies and Field Experience	3
GBUS 3183 Quantitative Analysis II	3	MGMT 3083 Leadership and Ethics	3
MGMT 3023 Organizational Theory and Behavior	3	MGMT 3073 Professional Communication Strategies	3
IS 3053 Managing Information Systems	3	Management Elective	3
MKTG 3033 Principles of Marketing	3	Free elective	3
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
MGMT 4023 Entrepreneurship	3	MGMT 4053 Human Resources Management	3
MGMT 4063 Production and Operations Management	3	MGMT 4093 Management Strategy and Policy	3
MGMT 4103 Total Quality Management	3	MGMT 4073 Supply Chain Management	3
FIN 3003 Financial Management	3	Management Elective	3
Management Elective	3	Free Elective	1
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>13</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

**Management electives include any upper level business course, plus the following courses from other colleges:**  
PSYC 4023 Industrial/Organizational Psychology (Fall, odd years); ITEC 3043 Work Analysis (Spring, even years),  
MGMT 3983 Business Internship in Management (Fall, Spring)

### Information Systems Major (BBA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	IS 2053 Business Information Systems	3
FIN 2003 Personal Finance	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
GSTD 1002 Freshman Seminar	2	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
Free Elective	1		
<b>Total semester hours</b>		<b>Total semester hours</b>	
	<b>15</b>		<b>16</b>
Fall - Semester 3		Spring - Semester 4	
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3
World Literature I/II (ENGL 2213 or ENGL 2223)	3	MGMT 2003 Business Communications	3
IS 2103 Object Oriented Programming	3	GBUS 2013 Quantitative Analysis I	3
ECON 2103 Microeconomics	3	ECON 2203 Principles of Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	ACCT 2103 Principles of Accounting II	3
<b>Total Semester Hours</b>		<b>Total Semester Hours</b>	
	<b>16</b>		<b>15</b>
Fall - Semester 5		Spring - Semester 6	
IS 2203 Introduction to Networking I	3	IS 3403 Database Management Systems	3
GBUS 2003 Legal Environment	3	SCM 3043 Business Analytics	3
GBUS 3183 Quantitative Analysis II	3	MGMT 3023 Organizational Theory and Behavior	3
MGMT 3073 Professional Communication Strategies	3	MKTG 3033 Principles of Marketing	3
IS 3053 Managing Information Systems	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
<b>Total Semester Hours</b>		<b>Total Semester Hours</b>	
	<b>15</b>		<b>15</b>
Fall - Semester 7		Spring - Semester 8	
MGMT 4063 Production and Operations Management	3	MGMT 4043 International Business or MGMT 4313 International Studies and Field Experience	3
IS Elective	3	IS 4303 Enterprise Information Systems	3
FIN 3003 Financial Management	3	MGMT 4093 Management Strategy and Policy	3
IS 4213 Systems Analysis and Design	3	IS elective	3
Free elective	3	Free elective	1
<b>Total Semester Hours</b>		<b>Total Semester Hours</b>	
	<b>15</b>		<b>13</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

IS Electives

Offered each fall	Offered each spring
IS 3983 IS Internship	IS 3003 Website Development for Business and Commerce
IS 3413 Social Media for Business	IS 3063 Accounting Information Systems
	IS 3983 IS Internship
	MGMT 4073 Supply Chain Management

### Marketing Major Media Option (BBA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	Biological Science choice/Lab (BIOL 1043/1041 or BIOL 1203/1201)	4
FIN 2003 Personal Finance	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
GSTD 1002 Freshman Seminar	2	IS 2053 Business Information Systems	3
Free Elective	1		
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3
World Literature I/II (ENGL 2213 or ENGL 2223)	3	ACCT 2103 Principles of Accounting II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	GBUS 2013 Quantitative Analysis I	3
ECON 2103 Principles of Microeconomics	3	ECON 2203 Principles of Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	GBUS 2003 Legal Environment	3
<b>Total semester hours</b>	<b>16</b>	<b>Total semester hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
MKTG 3033 Principles of Marketing	3	MGMT 3073 Professional Communication Strategies	3
MKTG 3413 Social Media for Business	3	MKTG 4053 IMC	3
IS 3053 Managing Information Systems	3	FIN 3003 Financial Management	3
MGMT 2003 Business Communications	3	IS 3003 Website Development	3
ART 2123 Graphic Software Applications	3	GBUS 3183 Quantitative Analysis II	3
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
MKTG 3063 Consumer Behavior	3	MGMT 4093 Management Strategy and Policy	3
MGMT 3023 Organizational Theory and Behavior	3	MGMT 4043, International Business or MGMT 4313, International Field Experience	3
MGMT 4063 Production and Operations Management	3	MKTG 4103 Marketing Management	3
MKTG 4023 Marketing Research	3	MKTG elective	3
Free Elective	3	Free elective	1
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>13</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

**Marketing Electives**

Offered each fall:	Offered each spring:
ART/MCOM 2123 Graphic Software Applications	ECON 4023 Free Enterprise Studies and Projects
IS 3013 Enterprise Information Systems Using SAP	IS 3003 Website Development for Business and Commerce
MGMT 4023 Entrepreneurship	MKTG 3983 Business Internship Marketing
MKTG 3983 Business Internship Marketing	MKTG 4073 Supply Chain Management
MKTG 4043 Retailing	



### Marketing Major Retailing Option (BBA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
FIN 2003 Personal Finance	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
GSTD 1002 Freshman Seminar	2	IS 2053 Business Information Systems	3
Free Elective	1		
<b>Total semester hours</b>		<b>Total semester hours</b>	
	<b>15</b>		<b>16</b>
Fall - Semester 3		Spring - Semester 4	
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	MGMT 2003 Business Communications	3
World Literature I/II (ENGL 2213 or ENGL 2223)	3	ACCT 2103 Principles of Accounting II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	GBUS 2013 Quantitative Analysis I	3
ECON 2103 Principles of Microeconomics	3	ECON 2203 Principles of Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	GBUS 2003 Legal Environment	3
<b>Total semester hours</b>		<b>Total semester hours</b>	
	<b>16</b>		<b>15</b>
Fall - Semester 5		Spring - Semester 6	
MGMT 3023 Organizational Theory and Behavior	3	MGMT 3073 Professional Communication Strategies	3
FIN 3003 Financial Management	3	MKTG 4053 IMC	3
MKTG 3033 Principles of Marketing	3	MKTG 4043 International Business	3
IS 3053 Managing Information Systems	3	Marketing Elective	3
GBUS 3183 Quantitative Analysis II	3	Free elective	3
<b>Total semester hours</b>		<b>Total semester hours</b>	
	<b>15</b>		<b>15</b>
Fall - Semester 7		Spring - Semester 8	
MKTG 3063 Consumer Behavior	3	MGMT 4073 Supply Chain Management	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	MKTG 4093 Strategy & Policy	3
MGMT 4043 Retailing	3	MKTG 4103 Marketing Management	3
MKTG 4023 Marketing Research	3	MKTG elective	3
MKTG 4063 POM	3	Free elective	1
<b>Total semester hours</b>		<b>Total semester hours</b>	
	<b>15</b>		<b>13</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

**Marketing Electives**

Offered each fall:	Offered each spring:
ART/MCOM 2123 Graphic Software Applications	ECON 4023 Free Enterprise Studies and Projects
IS 3013 Enterprise Information Systems Using SAP	IS 3003 Website Development for Business and Commerce
MGMT 4023 Entrepreneurship	MKTG 3983 Business Internship Marketing
MKTG 3983 Business Internship Marketing	MKTG 4073 Supply Chain Management
MKTG 4043 Retailing	

### Marketing Major Sales Option (BBA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
FIN 2003 Personal Finance	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
GSTD 1002 Freshman Seminar	2	IS 2053 Business Information Systems	3
Free Elective	1		
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	MGMT 2003 Business Communications	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	ACCT 2103 Principles of Accounting II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	GBUS 2013 Quantitative Analysis I	3
ECON 2103 Principles of Microeconomics	3	ECON 2203 Principles of Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	GBUS 2003 Legal Environment	3
<b>Total semester hours</b>	<b>16</b>	<b>Total semester hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
MGMT 3023 Organizational Theory and Behavior	3	MGMT 3073 Professional Communication Strategies	3
FIN 3003 Financial Management	3	MKTG 3103 Selling and Sales Management	3
MKTG 3033 Principles of Marketing	3	MKTG 4043 International Business	3
IS 3053 Managing Information Systems	3	Marketing Elective	3
GBUS 3183 Quantitative Analysis II	3	Free elective	3
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
MKTG 3063 Consumer Behavior	3	MGMT 4093 Management Strategy and Policy	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	MKTG 4103 Marketing Management	3
MGMT 4063 Production and Operations Management	3	MKTG elective	3
MKTG 4023 Marketing Research	3	MKTG elective	3
MKTG Elective	3	Free elective	1
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>13</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Marketing Electives

Offered each fall:	Offered each spring:
ART/MCOM 2123 Graphic Software Applications	ECON 4023 Free Enterprise Studies and Projects
IS 3013 Enterprise Information Systems Using SAP	IS 3003 Website Development for Business and Commerce
MGMT 4023 Entrepreneurship	MKTG 3983 Business Internship Marketing
MKTG 3983 Business Internship Marketing	MKTG 4073 Supply Chain Management
MKTG 4043 Retailing	

### Supply Chain Management Major (BBA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	IS 2053 Business Information Systems	3
FIN 2003 Personal Finance	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshman Seminar	2	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
Free Elective	1		
Total semester hours	<b>15</b>	Total semester hours	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	GBUS 2013 Quantitative Analysis I	3
MGMT 2003 Business Communications	3	ACCT 2103 Principles of Accounting II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3
ECON 2103 Principles of Microeconomics	3	ECON 2203 Principles of Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	GBUS 2003 Legal Environment	3
Total semester hours	<b>16</b>	Total semester hours	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
IS 3053 Managing Information Systems	3	SCM 3043 Business Analytics	3
GBUS 3183 Quantitative Analysis II	3	SCM 3053 Project Management	3
MGMT 3023 Organizational Theory and Behavior	3	SCM 4073 Supply Chain Management	3
FIN 3003 Financial Management	3	MKTG 3033 Principles of Marketing	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	MGMT 3073 Professional Communication Strategies	3
Total semester hours	<b>15</b>	Total semester hours	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
MGMT 4043 International Business or MGMT 4313 International Studies and Field Experience	3	SCM 4053 Environmentally Sustainable Practices	3
MGMT 4063 Production and Operations Management	3	MGMT 4093 Management Strategy and Policy	3
SCM 3033 Supply Chain Management Technology	3	UL Business Elective	3
UL Business Elective	3	Free Elective	3
UL Business Elective	3	Free Elective	1
Total semester hours	<b>15</b>	Total semester hours	<b>13</b>

Total hours required for major - 120 hours

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

### BBA/MBA 4+1 Program

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	IS 2053 Business Information Systems	3
FIN 2003 Personal Finance	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshman Seminar	2	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
Free Elective	1		
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	GBUS 2013 Quantitative Analysis I	3
MGMT 2003 Business Communications	3	ACCT 2103 Principles of Accounting II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3
ECON 2103 Principles of Microeconomics	3	ECON 2203 Principles of Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	GBUS 2003 Legal Environment	3
<b>Total semester hours</b>	<b>16</b>	<b>Total semester hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	MGMT 4043 International Business or MGMT 4313 International Studies and Field Experience	3
GBUS 3183 Quantitative Analysis II	3	Major Course Requirement	3
MGMT 3023 Organizational Theory and Behavior	3	MGMT 3073 Professional Communication Strategies	3
IS 3053 Managing Information Systems	3	Major Course Requirement	3
MKTG 3033 Principles of Marketing	3	Free elective	3
<b>Total semester hours</b>	<b>15</b>	<b>Total semester hours</b>	<b>15</b>
Fall - Semester 7**		Spring - Semester 8	
Major Course Requirement	3	Major Course Requirement	3
MGMT 4063 Production and Operations Management	3	MGMT 4093 Management Strategy and Policy	3
Major Course Requirement	3	Major Course Requirement	3
FIN 3003 Financial Management	3	Major Course Requirement	3
Major Course Requirement	3	MBA Graduate Course	3
Free Elective	1	MBA Graduate Course	3
<b>Total semester hours</b>	<b>16</b>	<b>Total semester hours</b>	<b>18</b>
Summer g.			
MBA Graduate Courses			6
<b>Total semester hours</b>			<b>6</b>
Fall - Semester 9		Spring - Semester 10	
MBA Graduate Courses		MBA Graduate Courses	
9		9	
<b>Total semester hours</b>		<b>Total semester hours</b>	
<b>9</b>		<b>9</b>	

Total hours required for major - 120 hours (BBA), 30 hours (MBA), 150 hours (total)

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*Please see admission criteria for the program.

**Associate of Science Degree in Business (AS)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	IS 2053 Business Information Systems	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, 2223, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
FIN 2003 Personal Finance	3		
GSTD 1002 Freshman Seminar	2		
Total semester hours	<b>17</b>	Total semester hours	<b>13</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	GBUS 2013 Quantitative Analysis I	3
MGMT 2003 Business Communications	3	ACCT 2103 Principles of Accounting II	3
Physical Science Choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
ECON 2103 Principles of Microeconomics	3	ECON 2203 Principles of Macroeconomics	3
ACCT 2003 Principles of Accounting I	3	GBUS 2003 Legal Environment	3
Total semester hours	<b>16</b>		<b>15</b>

Total hours for degree - 61

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

## College of Education

Dr. Kim Bloss, Dean

The College of Education consists of the following departments and service areas:

1. Admissions, Field Experience, and Licensure (AFEL)
2. The Department of Teacher Education
3. The Department of Counseling and Professional Studies (see Graduate Catalog)
4. The Department of Health, Kinesiology, and Recreation
5. The SAU Educational Renewal Zone

### Mission Statement

The College of Education, guided by the University's vision and mission, primarily meets the needs of candidates who come from communities in south central and southwest Arkansas, but also serves candidates from the across state, nation, and world. Candidates are served through the College's teaching, research, service, and outreach programs. Our aim is to ensure that all College of Education candidates develop the ability to be creative and critical thinkers who are able to make appropriate decisions relative to their professional roles and responsibilities as citizens of a democratic nation and a global community.

### Mission of the Educator Provider Program

The mission of the Educator Provider Program (EPP) is to prepare educators who *promote educational achievement through collaboration and reflection.*

The EPP holds the following dispositions, as critical for all initial EPP candidates, to include the Master of Arts in Teaching program (note, for the conceptual framework and dispositions of advanced programs, please see the School of Graduate Studies Catalog or the program director).

Attendance/Punctuality	Response to Feedback
Work Production	Professional Maturity
Cultural Sensitivity	Collaboration
Interaction with Others	Initiative
Professional Ethics	Professional Presentation

The EPP holds the following competencies, as critical for all initial candidates pursuing a degree in the EPP:

- Standard #1: Learner Development**
- Standard #2: Learning Differences**
- Standard #3: Learning Environments**
- Standard #4: Content Knowledge**
- Standard #5: Application of Content**
- Standard #6: Assessment**
- Standard #7: Planning for Instruction**
- Standard #8: Instructional Strategies**
- Standard #9: Professional Learning and Ethical Practice**
- Standard #10: Leadership and Collaboration**

Educator Preparation Providers degree program, students are required to exhibit proficiency in all areas of established dispositions. Students will be assessed at various points throughout the program on the established dispositions.

Failure to demonstrate an acceptable level in any one or more of the indicated dispositions will result in one or more of the following actions which may include but not be limited to: 1) a hearing with the Dispositions Review Committee, 2) completion of a recommended Dispositional Development Plan, 3) removal and/or failure of any associated field experiences, and/or 4) removal from pursuing a degree in an Educator Preparation Provider program.

Students will be assessed at various points throughout the program to determine proficiency in the identified critical competencies as outlined in the conceptual framework. Students are required to demonstrate an acceptable level of proficiency in competency areas in order to proceed in the program of study and/or obtain an Educator Preparation Provider related degree.

### **Graduate Programs**

Graduate programs within the College of Education are detailed in the SAU Graduate Catalog.

### **Programs of Study**

#### **Teacher Education Preparation Program**

The College of Education is the CAEP-approved unit for the educator preparation programs and teacher licensure at Southern Arkansas University and offers a Bachelor of Science in Education (BSE) with majors in Elementary Education K-6, Middle School Education, and K -12 Physical Education and Health. Also offered are minors in Secondary Agriculture Education, English, Math, Music, Social Studies, Spanish and K-12 Physical Education and Health. Music also offers licensure preparation programs in K-12 vocal and K-12 instrumental music. Additionally, an endorsement in Coaching is also available.

Programs of study are detailed on the following pages. Candidates should, however, be aware that revisions in the State of Arkansas licensure guidelines could result in changes that are not reflected in this catalog. Students must consult regularly with their advisors to ensure appropriate program completion.

In addition, the College of Education offers the Bachelors of Science (BS degree) in Exercise Science and Sports Management.

### **Accreditations**

**The Education Preparation Providers Unit (EPP)** at Southern Arkansas University is accredited by the Council for the Accreditation Educator Preparation (CAEP), [www.caepnet.org](http://www.caepnet.org). This accreditation covers initial programs and advanced programs at SAU. However, the accreditation does not include individual education courses that the institution offers to P-12 educators for professional development, re-licensure, or other purposes. CAEP – the Council for the Accreditation of Education Preparation, 112 E. Lincoln Avenue, Fergus Falls, MN 56537; phone 800-432-3276.

### **Assessment**

The Educator Preparation Providers Unit has adopted LiveText as the assessment management system. During a candidates first semester at SAU they are assessed a fee for LiveText and provided a key code for the account. Throughout the duration of the program, the candidate completes several assessments aligned to the Conceptual Framework and dispositions. Candidates are required to show proficiency in both Conceptual framework competencies and dispositions for program completion.

### **Admission to the Teacher Education Program**

Students who plan to follow teacher preparation programs must, in consultation with their advisor, submit a formal application for admission. Applicants should work closely with a College of Education advisor to determine when to apply. All application requirements must be completed when the application is filed. Students transferring to SAU will need to apply for admission to the University and also apply, when eligible, to the EPP.

### **Criteria for Admission to the Teacher Education Program**

Candidates can apply for conditional or unconditional admission to the EPP when eligible. Candidates must work with their advisor to apply. A candidate does not have to apply for conditional admission if they meet all requirements for unconditional admission.

For a candidate to enroll in EPP coursework they must, at minimal, be admitted conditionally. A successful criminal background check must be submitted in order to complete any EPP field-based courses. Failure to pass a successful criminal background check will result in the student being withdrawn from the field-based course(s).

In addition to be eligible for Field II or Student Teaching coursework a candidate must meet unconditional admissions requirements.

#### Unconditional Admissions Requirements:

- Cumulative GPA of 3.00 (or a semester GPA of 3.0 if previously conditionally admitted for GPA)
- A grade of a C or above in Introduction to Education and credit in Intro to Education Field Experience I
- 30 completed semester credit hours
- Passing Basic Skills Assessment Reading\*
- Passing Basic Skills Assessment Writing\*
- Passing Basic Skills Assessment Math\*
- At minimal 3 Effective Disposition Ratings from advisor \*\*

#### Conditional Admission Requirements:

- A grade of a C or above in Introduction to Education and credit in Intro to Education Field Experience I
- 30 completed semester credit hours
- At minimal 3 Effective Disposition Ratings from advisor \*\*
- Two of the below 4 conditions must be met to be eligible for conditional admission
  - Passing Basic Skills Assessment Reading\*
  - Passing Basic Skills Assessment Writing\*
  - Passing Basic Skills Assessment Math\*
  - Cumulative GPA of 3.00

\*See advisor for information about Basic Skills Assessments and passing scores.

\*\*Candidates who score less than 3 effective ratings for dispositions will not be considered for admission until a meeting with the dispositions committee to review the dispositional concerns and create a plan of action to meet the disposition ratings.

Candidates who have been out of the program for two or more terms must reapply and meet all current program requirements to be readmitted.



The faculty advisor closely follows the progress of the candidate. Candidates who have been admitted to the EPP are expected to maintain all degree requirements or be dropped from the program.

#### **Application for Student Teaching Block**

To apply for student teaching candidates must have senior status and all coursework for the program of study meets the program requirements prior to student teaching. Candidate must be an unconditional admit. -Applications must be submitted to the Office of Admissions, Field Experience and Licensure (AFEL) in Cross 218. The AFEL office will designate a date in early fall and spring for the following semester for submissions. Please see your College of Education advisor to get the application and complete the forms.

#### **Student Teaching Requirements**

The Student Teaching Block is a complete semester of work, which includes 15 weeks of full-time student teaching and completion of student teaching seminar(s). It is recommended that no other course work be taken or completed during this semester.

During your student teaching semester proof of Content Knowledge and Pedagogy Assessments must be provided and will be a part of your Student Teaching grade. All other program requirements as stated in the student teaching handbook must be met during the semester.

#### **Educator Preparation Program Professional Responsibilities**

**Ethics:** Pre-service teachers are bound by the Code of Ethics for Educators established by the Arkansas Department of Education Professional License Standards Board (PLSB). The Code of Ethics is governed by the Arkansas Code of Ann. §6-17-428. Violation of the Code of Ethics may result in an administrative hearing by the PLSB, who reports their findings to the State Board of Education. Violation of the Code of Ethics may result in disciplinary action or removal from the Educator Preparation Program.

**Science of Reading:** Candidates are required to complete a SOR pathway to be eligible for licensure based on the Arkansas Licensure Law 3 -1.03.1.2.1.

Elementary Education candidates must prove proficiency by taking and passing E ED 4173 Teaching Literacy I and E ED 4273 Teaching Literacy II.

All other undergraduate initial licensure programs must meet awareness and can do this by completing at minimal one of the following:

EDUC	4113	Reading Diagnostics
EDUC	4203	Strategies for Content Area Reading

ArkansasIDEAS Science of Reading Learning Path (18 hours of instructional content training).

If a candidate completes the ArkansasIDEAS training, proof of successful completion must be provided to the Admissions, Field Experience, and Licensure office.

**Additional Trainings:** The Division of Elementary and Secondary Education (DESE) also requires professional development by the Arkansas Code of Ann. §4-2.01.7 for all candidates in Educator Preparation Programs. Candidates must complete these requirements prior to student teaching and continue to uphold professional responsibilities.

Completion of ethics, science of reading, and additional training is a requirement for licensure approval.

### **Requirements for Arkansas Teacher Licensure**

Candidates will not be eligible for the standard license until all Praxis II exams have been passed.

Graduation from Southern Arkansas University does not guarantee Arkansas Teacher Licensure. All Arkansas teaching licenses are issued by the Division of Elementary and Secondary 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 teaching license. The application process is completed online and instructions for submitting the application will be provided to candidates during their student teaching semester. Issuance of a professional license is not automatic – the candidate must apply.

Note: Teacher candidates who complete all required courses for licensure and who pass content knowledge exam(s) will be recommended for a standard teaching license. Candidates who have not passed the content knowledge exam(s) cannot be recommended for a provisional or standard teaching license.

### **College of Education Services**

#### **Education Renewal Zone**

The SAU Education Renewal Zone is designed to support schools, school leadership, education service cooperatives, institutions of higher education, and communities participating with the Education Renewal Zone (ERZ) in the delivery of the quality education needed to assist students in attaining the performance levels set forth by the State of Arkansas and as defined by the Federal No Child Left Behind Act of 2001.

Participating regional school districts plus the Southwest and South Central Education Service Cooperatives and Southern Arkansas University have entered into an inter-local agreement through which they jointly collaborate to improve public school performance and academic achievement. This inter-local agreement establishes an ERZ with the purpose of achieving the following requirements:

1. Identify and implement education and management strategies designed specifically to improve public school performance and student academic achievement.
2. Provide for collaboration among the state's smaller schools and districts in order to achieve some of the advantages of economies of scale in providing educational and related activities.
3. Maximize benefits and outcomes of public schooling by concentrating and coordinating the resources of Arkansas' higher education institutions, the expertise of the regional education service cooperatives, and the technical assistance of other service providers to improve public school performance and student academic achievement.
4. Enable small, rural, and low-wealth schools to make the best use of the latest cost-effective distance learning technology to enhance curricula and professional development through two-way interactive learning environments.

For more information regarding the Education Renewal Zone and related services, please contact the director of ERZ directly in Cross Hall 223 or call (870) 235-5014.

## Degrees and Major Fields

### Department of Teacher Education

Neelie Dobbins, PhD, Chair

The Department of Teacher Education provides resources and services for pre-service and in-service teacher candidates and functions as a learning laboratory. Through the Department of Teacher Education, teacher candidates have numerous opportunities for interaction with practitioners in the field, university faculty, fellow education teacher candidates, and elementary public school students. Classrooms are available for student training in teaching with technology. Curricular, instructional and technological materials are housed in the Department of Teacher Education.

The Department of Teacher Education offers a Bachelor of Science in Education (BSE) with majors in Elementary Education K-6, Middle School Education, and Physical Education and Health. Also, an MAT initial licensure program is offered (see the graduate catalog for more information).

### Elementary Education K-6 (BSE)

120 hours

The focus in elementary education leads to a single licensure certification in elementary education. The course work included in the Elementary Education Program presents core knowledge of the profession, combining pedagogical and theoretical content with observational assessment. Students demonstrate a basic understanding of the teaching 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 Elementary Education K-6, the student must earn at least a grade point average of 3.00 on all University credits, complete the required curriculum (major courses with a C or higher), and successfully pass the Praxis CORE/ACT/SAT and, complete Praxis II and Foundations of Reading tests required in the Elementary Education K-6 focus area. Students earning a BSE in Elementary Education K-6 complete 120 hours that include the following requirements.

#### University Requirement - 2 hours

GSTD	1002	Freshman Seminar
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#### General Education - 35 hours

#### Professional Requirements - 33 hours

E ED	2003	Child Growth and Development
E ED	3213	Integrated Curriculum and Methods
E ED	3233	Classroom and Group Management
EDUC	2000	Educational Field Experience Level I Lab
EDUC	2003	Introduction to Education
EDUC	2023	K-12 Education Technology
EDUC	3013	Educational Psychology
HIST	4083	History of Arkansas
MATH	2053	Math for Teachers I
MATH	2063	Math for Teachers II
SPCH	1113	Introduction to Public Speaking

SPED                    4073                    Survey of Exceptional Individuals

**Admission to the Teacher Education Program is required to enroll in the following courses.**

**Elementary Education Focus - 38 hours**

E ED	3073	Methods of Teaching Mathematics
E ED	3273	Methods of Teaching Social Studies
E ED	4173	Teaching Literacy I
E ED	4023	Lower Grades Field Experience
E ED	4243	STEM for Elementary Teachers
E ED	4273	Teaching Literacy II
E ED	4303	Upper Grades Field Experience
E ED	4323	Families, School and Communities
E ED	4343/4341	STEM Science for Teachers/Lab
E ED	4353	Social Studies in the Elementary School
E ED	4374	Advanced Teaching Literacy
EDUC	4043	Assessment, Evaluation, and Measurement

**Student Teaching\*\* - 12 hours**

E ED	4006	Student Teaching in the Elementary School I
E ED	4103	Student Teaching in the Elementary School II
EDUC	4003	Student Teaching Seminar

\*\*Students must take all Praxis II exams by September 15 prior to student teaching during the spring semester and by March 15 prior to student teaching during the fall semester.

Students are required to submit passing scores for the Praxis CORE/ACT/SAT in order to apply for admission to the Teacher Education Program. **Admission to the Teacher Education Program is required to enroll in elementary education focus courses.**

**Elementary Education K-6 STEM (BSE)  
120 hours**

The focus in elementary education leads to a single licensure certification in elementary education. The course work included in the Elementary Education Program presents core knowledge of the profession, combining pedagogical and theoretical content with observational assessment. Students demonstrate a basic understanding of the teaching 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 Elementary Education K-6 STEM, the student must earn at least a grade point average of 3.00 on all University credits, complete the required curriculum (major courses with a C or higher), and successfully pass the Praxis CORE/ACT/SAT and, complete Praxis II and Foundation of Reading tests required in the Elementary Education K-6 STEM focus area. Students earning a BSE in Elementary Education K-6 STEM complete 120 hours that include the following requirements.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 35 hours**

**Professional Requirements - 33 hours**

E ED	2003	Child Growth and Development
E ED	3213	Integrated Curriculum and Methods
E ED	3233	Classroom and Group Management
EDUC	2000	Educational Field Experience Level I Lab
EDUC	2003	Introduction to Education
EDUC	2023	K-12 Education Technology
EDUC	3013	Educational Psychology
HIST	4083	History of Arkansas
MATH	2053	Math for Teachers I
MATH	2063	Math for Teachers II
SPCH	1113	Introduction to Public Speaking
SPED	4073	Survey of Exceptional Individuals

**Admission to the Teacher Education Program is required to enroll in the following courses.**

**Elementary Education Focus – 38 hours**

E ED	3073	Methods of Teaching Mathematics
E ED	3273	Methods of Teaching Social Studies
E ED	4173	Teaching Literacy I
E ED	4023	Lower Grades Field Experience
E ED	4243	STEM for Elementary Teachers
E ED	4273	Teaching Literacy II
E ED	4303	Upper Grades Field Experience
E ED	4323	Families, School and Communities
E ED	4343/4341	STEM Science for Teachers/Lab
E ED	4353	Social Studies in the Elementary School
E ED	4374	Advanced Teaching Literacy
EDUC	4043	Assessment, Evaluation, and Measurement

**Student Teaching\*\* - 12 hours**

E ED	4006	Student Teaching in the Elementary School I
E ED	4103	Student Teaching in the Elementary School II
EDUC	4003	Student Teaching Seminar

\*\*Students must take all Praxis II and Foundations of Reading exams by September 15 prior to student teaching during the spring semester and by March 15 prior to student teaching during the fall semester.

Students are required to submit passing scores for the Praxis CORE in order to apply for admission to the Teacher Education Program. **Admission to the Teacher Education Program is required to enroll in elementary education focus courses.**

**Middle School Education**

The major in middle school education leads to licensure to teach in grades fourth through eighth grade in (LA, SS, Math, and Science). For those who graduate with concentrations in either math and/or science, they may additionally teach 9<sup>th</sup> grade Algebra I and/or 9<sup>th</sup> grade Physical Science. The program emphasizes the specific and unique characteristics of 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 available in four middle level content areas (math, science, language arts, and social studies). To obtain a bachelor of science in education majoring in Middle School Education, a candidate will choose 2 of the 4 content areas as their concentrations. The dual focus areas provide pre-service teachers training to be more effective teachers, teach in multi-subject classrooms, or choice in a single or integrated subject classroom from their chosen concentration areas. Options include: Math/Science (STEM), Language Arts/Social Studies, Language Arts/Math, Language Arts/Science, Math/Social Studies, Science/Social Studies.

The student must earn a cumulative grade point average of at least 3.00 or higher on all University credits, complete the required courses (major courses with a C or higher), and successfully pass the Praxis CORE/ACT/SAT, complete required Praxis II tests, and pedagogy assessment.

Students earning a BSE in Middle School Education with two concentration areas will complete 120 hours that include the following requirements:

**Major in Middle School Education (BSE)  
Language Arts and Mathematics Concentrations  
120 hours**

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education – 32 hours (3 hours of mathematics are included in the degree)**

**Other Requirement - 3 hours**

SPCH	1113	Introduction to Public Speaking
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**Professional Requirements - 18 hours**

EDUC	2000	Educational Field Experience, Level I Lab
EDUC	2003	Introduction to Education
EDUC	2023	K-12 Education Technology
EDUC	4043	Assessment, Evaluation, and Measurement
HIST	4083	History of Arkansas
SPED	4073	Survey of Exceptional Individuals

3 hours selected from the following:

^EDUC/PSYC	3013	Educational Psychology
PSYC	4083	Adolescent Psychology

Students are required to submit passing scores for the Praxis I (CORE) in order to apply for admission to the Teacher Education Program to start the courses in the Middle School Focus section.

**Middle School Focus – 18 hours**

EDUC	4113	Reading Diagnostics
EDUC	4203	Strategies for Content Area Reading
EDUC	4273	Classroom and Group Management
MSED	3053	Integrated Curriculum
MSED	4023	Middle Level Field II

MSED 4323 Family, Schools, and Community

**Student Teaching Block\*** - 12 hours

EDUC 4003 Student Teaching Seminar  
MSED 4006 Student Teaching I  
MSED 4103 Student Teaching II

\*Students must take all Praxis II exams by September 15 prior to student teaching during the spring semester and by March 15 prior to student teaching during the fall semester.

**Language Arts** – 18 hours

ENGL 3003 Advanced Professional Writing

3 hours of upper level English  
3 hours of upper level literature

3 hours selected from the following\*\*:

ENGL 2213 World Literature I  
ENGL 2223 World Literature II

\*\*Based on General Education selection. Cannot be double-counted from general education.

3 hours selected from the following:

ENGL 3043 Comparative English Grammar  
^MSED 4333 Language Arts for Teachers

3 hours selected from the following:

ENGL 3653 Introduction to English Language Studies  
ENGL 4003 Teaching People from Other Cultures

3 hours of upper level English

**Mathematics** - 17 hours

MATH 1023 College Algebra  
MATH 1033 Plane Trigonometry  
MATH 1525 Calculus I  
MATH 2063 Math for Teachers II  
MSED 4293 Math for Middle Level Teachers

^Denotes a preferred choice

**Major in Middle School Education (BSE)  
Language Arts and Science Concentrations**  
120 hours

**University Requirement** - 2 hours

GSTD 1002 Freshman Seminar

**General Education** – 35 hours (MATH 1053 cannot be used to meet the mathematics requirement)

**Other Requirement** - 3 hours

SPCH 1113 Introduction to Public Speaking

**Professional Requirements** - 18 hours

EDUC 2000 Educational Field Experience, Level I Lab  
EDUC 2003 Introduction to Education  
EDUC 2023 K-12 Education Technology  
EDUC 4043 Assessment, Evaluation, and Measurement

HIST	4083	History of Arkansas
SPED	4073	Survey of Exceptional Individuals

3 hours selected from the following:

^EDUC/PSYC	3013	Educational Psychology
PSYC	4083	Adolescent Psychology

Students are required to submit passing scores for the Praxis I (CORE) in order to apply for admission to the Teacher Education Program to start the courses in the Middle School Focus section.

**Middle School Focus – 18 hours**

EDUC	4113	Reading Diagnostics
EDUC	4203	Strategies for Content Area Reading
EDUC	4273	Classroom and Group Management
MSED	3053	Integrated Curriculum
MSED	4023	Middle Level Field II
MSED	4323	Family, Schools, and Community

**Student Teaching Block\* - 12 hours**

EDUC	4003	Student Teaching Seminar
MSED	4006	Student Teaching I
MSED	4103	Student Teaching II

\*Students must take all Praxis II exams by September 15 prior to student teaching during the spring semester and by March 15 prior to student teaching during the fall semester.

**Language Arts – 18 hours**

ENGL	3003	Advanced Professional Writing
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3 hours of upper level English  
3 hours of upper level literature

3 hours selected from the following\*\*:

ENGL	2213	World Literature I
ENGL	2223	World Literature II

\*\*Based on General Education selection. Cannot be double-counted from general education.

3 hours selected from the following:

ENGL	3043	Comparative English Grammar
^MSED	4333	Language Arts for Teachers

3 hours selected from the following:

ENGL	3653	Introduction to English Language Studies
ENGL	4003	Teaching People from Other Cultures

3 hours of upper level English

**Science – 14 hours**

MSED	4243	STEM for Middle School Teachers
MSED	4343/4001	STEM Methods for Middle School Teachers/Lab

3 hours of biology, chemistry, engineering, physics

4 hours selected from the following:

CHEM	1013/1011	College Chemistry I/Lab
CHEM	1023/1021	University Chemistry I/Lab



GEOL 1003/1001 Physical Geology/Lab

^Denotes a preferred choice

**Major in Middle School Education (BSE)**  
**Language Arts and Social Studies Concentrations**  
120 hours

**University Requirement - 2 hours**

GSTD 1002 Freshman Seminar

**General Education – 35 hours** (cannot include PSCI 2003 American Government: National)

**Other Requirement - 3 hours**

SPCH 1113 Introduction to Public Speaking

**Professional Requirements - 18 hours**

EDUC 2000 Educational Field Experience, Level I Lab  
EDUC 2003 Introduction to Education  
EDUC 2023 K-12 Education Technology  
EDUC 4043 Assessment, Evaluation, and Measurement  
HIST 4083 History of Arkansas  
SPED 4073 Survey of Exceptional Individuals

3 hours selected from the following:

^EDUC/PSYC 3013 Educational Psychology  
PSYC 4083 Adolescent Psychology

Students are required to submit passing scores for the Praxis I (CORE) in order to apply for admission to the Teacher Education Program to start the courses in the Middle School Focus section.

**Middle School Focus – 17 hours**

EDUC 4113 Reading Diagnostics  
EDUC 4203 Strategies for Content Area Reading  
EDUC 4273 Classroom and Group Management  
MSED 3053 Integrated Curriculum  
MSED 4022 Middle School Field II  
MSED 4323 Family, Schools, and Community

**Student Teaching Block\* - 12 hours**

EDUC 4003 Student Teaching Seminar  
MSED 4006 Student Teaching I  
MSED 4103 Student Teaching II

\*Students must take all Praxis II exams by September 15 prior to student teaching during the spring semester and by March 15 prior to student teaching during the fall semester.

**Language Arts – 15 hours**

ENGL 3003 Advanced Professional Writing  
3 hours of upper level literature

3 hours selected from the following\*\*:

ENGL 2213 World Literature I  
ENGL 2223 World Literature II

3 hours selected from the following:

ENGL	3043	Comparative English Grammar
^MSED	4333	Language Arts for Teachers

3 hours selected from the following:

ENGL	3653	Introduction to English Language Studies
ENGL	4003	Teaching People from Other Cultures

3 hours of upper level English

**Social Studies – 18 hours**

MSED	4353	Social Studies for Middle School
PSCI	2003	American Government: National

3 hours of non-U.S. upper level history

3 hours selected from the following:

GEOG	2003	Introduction to Geography
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3 hours of upper level geography

3 hours selected from the following\*\*:

HIST	1003	World History I
HIST	1013	World History II

3 hours selected from the following\*\*:

HIST	2013	U.S. History I
HIST	2023	U.S. History II

^Denotes a preferred choice

\*\*Based on General Education selection. Cannot be double-counted from general education.

**Major in Middle School Education-STEM (BSE)  
(Mathematics and Science Concentrations)**

120 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education – 32 hours (3 hours of mathematics are included in the degree)**

**Other Requirement - 3 hours**

SPCH	1113	Introduction to Public Speaking
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**Professional Requirements - 18 hours**

EDUC	2000	Educational Field Experience, Level I Lab
EDUC	2003	Introduction to Education
EDUC	2023	K-12 Education Technology
EDUC/PSYC	3013	Educational Psychology
EDUC	4043	Assessment, Evaluation, and Measurement
HIST	4083	History of Arkansas
SPED	4073	Survey of Exceptional Individuals

Students are required to submit passing scores for the Praxis I (CORE) in order to apply for admission to the Teacher Education Program to start the courses in the Middle School Focus section.

**Middle School Focus – 18 hours**

EDUC	4113	Reading Diagnostics
EDUC	4203	Strategies for Content Area Reading
EDUC	4273	Classroom and Group Management
MSED	3053	Integrated Curriculum
MSED	4023	Middle Level Field II
MSED	4323	Family, Schools, and Community

**Student Teaching Block\*** - 12 hours

EDUC	4003	Student Teaching Seminar
MSED	4006	Student Teaching I
MSED	4103	Student Teaching II

\*Students must take all Praxis II exams by September 15 prior to student teaching during the spring semester and by March 15 prior to student teaching during the fall semester.

**Mathematics** - 20 hours

MATH	1023	College Algebra
MATH	1033	Plane Trigonometry
MATH	1525	Calculus I
MATH	2063	Math for Teachers II
MATH	3043	Applied Probability and Statistics I
MSED	4293	Math for Middle Level Teachers

**Science** – 15 hours

CHEM	1013/1011	College Chemistry I/Lab
MSED	4243	STEM for Middle School Teachers
MSED	4343/4001	STEM Methods for Middle School Teachers/Lab

4 hours of biology, chemistry, engineering, physics (course must include a lab)

**Major in Middle School Education (BSE)  
Mathematics and Social Studies Concentrations  
120 hours**

**University Requirement** - 2 hours

GSTD	1002	Freshman Seminar
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**General Education** – 32 hours (3 hours of mathematics are included in the degree, PSCI 2003 American Government: National cannot be used for general education)

**Other Requirement** - 3 hours

SPCH	1113	Introduction to Public Speaking
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**Professional Requirements** - 18 hours

EDUC	2000	Educational Field Experience, Level I Lab
EDUC	2003	Introduction to Education
EDUC	2023	K-12 Education Technology
EDUC	4043	Assessment, Evaluation, and Measurement
HIST	4083	History of Arkansas
SPED	4073	Survey of Exceptional Individuals

3 hours selected from the following:

^EDUC/PSYC	3013	Educational Psychology
PSYC	4083	Adolescent Psychology

Students are required to submit passing scores for the Praxis I (CORE) in order to apply for admission to the Teacher Education Program to start the courses in the Middle School Focus section.

**Middle School Focus – 18 hours**

EDUC	4113	Reading Diagnostics
EDUC	4203	Strategies for Content Area Reading
EDUC	4273	Classroom and Group Management
MSED	3053	Integrated Curriculum
MSED	4023	Middle Level Field II
MSED	4323	Family, Schools, and Community

**Student Teaching Block\* - 12 hours**

EDUC	4003	Student Teaching Seminar
MSED	4006	Student Teaching I
MSED	4103	Student Teaching II

\*Students must take all Praxis II exams by September 15 prior to student teaching during the spring semester and by March 15 prior to student teaching during the fall semester.

**Mathematics - 17 hours**

MATH	1023	College Algebra
MATH	1033	Plane Trigonometry
MATH	1525	Calculus I
MATH	2063	Math for Teachers II
MSED	4293	Math for Middle Level Teachers

**Social Studies – 18 hours**

MSED	4353	Social Studies for Middle School
PSCI	2003	American Government: National

3 hours of non-U.S. upper level history

3 hours selected from the following:

GEOG	2003	Introduction to Geography
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3 hours of upper level geography

3 hours selected from the following\*\*:

HIST	1003	World History I
HIST	1013	World History II

3 hours selected from the following\*\*:

HIST	2013	U.S. History I
HIST	2023	U.S. History II

^Denotes a preferred choice

\*\*Based on General Education selection. Cannot be double-counted from general education.

**Major in Middle School Education (BSE)  
Science and Social Studies Concentrations  
120 hours**

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education** – 35 hours (MATH 1053 cannot be used to meet the mathematics requirement, PSCI 2003 American Government: National cannot be used to meet general education requirements)

**Other Requirement** - 3 hours

SPCH 1113 Introduction to Public Speaking

**Professional Requirements** - 18 hours

EDUC 2000 Educational Field Experience, Level I Lab  
EDUC 2003 Introduction to Education  
EDUC 2023 K-12 Education Technology  
EDUC 4043 Assessment, Evaluation, and Measurement  
HIST 4083 History of Arkansas  
SPED 4073 Survey of Exceptional Individuals

3 hours selected from the following:

^EDUC/PSYC 3013 Educational Psychology  
PSYC 4083 Adolescent Psychology

Students are required to submit passing scores for the Praxis I (CORE) in order to apply for admission to the Teacher Education Program to start the courses in the Middle School Focus section.

**Middle School Focus** – 18 hours

EDUC 4113 Reading Diagnostics  
EDUC 4203 Strategies for Content Area Reading  
EDUC 4273 Classroom and Group Management  
MSED 3053 Integrated Curriculum  
MSED 4023 Middle Level Field II  
MSED 4323 Family, Schools, and Community

**Student Teaching Block\*** - 12 hours

EDUC 4003 Student Teaching Seminar  
MSED 4006 Student Teaching I  
MSED 4103 Student Teaching II

\*Students must take all Praxis II exams by September 15 prior to student teaching during the spring semester and by March 15 prior to student teaching during the fall semester.

**Social Studies** – 18 hours

MSED 4353 Social Studies for Middle School  
PSCI 2003 American Government: National  
3 hours of non-U.S. upper level history

3 hours selected from the following:

GEOG 2003 Introduction to Geography  
3 hours of upper level geography

3 hours selected from the following\*\*:

HIST 1003 World History I  
HIST 1013 World History II

3 hours selected from the following\*\*:

HIST 2013 U.S. History I  
HIST 2023 U.S. History II

**Science** – 14 hours

MSED	4243	STEM for Middle School Teachers
MSED	4343/4001	STEM Methods for Middle School Teachers/Lab

3 hours of biology, chemistry, engineering, physics

4 hours selected from the following:

CHEM	1013/1011	College Chemistry I/Lab
CHEM	1023/1021	University Chemistry I/Lab
GEOL	1003/1001	Physical Geology/Lab

^Denotes a preferred choice

\*\*Based on General Education selection. Cannot be double-counted from general education.

**Secondary Education**

The BSE leading to certification in Physical Education, and Health K-12 is the program administered entirely through the College of Education. All other secondary areas require students to complete major course work (i.e., business, math, Spanish) within the respective college that offers the major in the specific teaching field. Additionally, within the College of Education teacher candidates will complete a secondary education minor and the professional semester, which together are the certification track. Middle Level Education requires students to complete major course work within either the language arts/ social studies track or the science/ mathematics track. The BSE in Elementary Education requires students to take most course work in the College of Education. Teaching methods courses are taught by the respective departments (math, science, English).

All P-8 and 7-12 teaching areas require that teacher candidates pass the Praxis I Reading, Writing, and Math exams (following Introduction to Education) prior to taking course work within the certification track. Teacher candidates must formally apply and be admitted to the Teacher Education Program prior to enrolling in certification track courses beyond Introduction to Education.

All teacher candidates must take the appropriate Praxis II exams prior to enrolling in the professional semester (Student Teaching and Seminar). Note that teacher candidates can complete the required courses for teacher certification without passing appropriate Praxis II exams. However, in order for candidates to be recommended for an initial teacher license, candidates must meet the Arkansas pass score for all required Praxis II exams. Candidates who complete all certification track courses but fail to pass the Praxis II exams may be recommended for a one-year provisional license.

Teacher candidates pursuing certification in fields which require a BA, BS (not including Agricultural Education), or BBA, may graduate following completion of the respective major with a Secondary Education minor prior to completing the professional semester. However, teacher candidates are strongly encouraged to complete the entire certification track, including the professional semester prior to graduating with a bachelor's degree. Teacher candidates who choose to graduate prior to completing the professional semester may have complications with financial aid.

Teacher candidates pursuing P-8 and/or 7-12 certifications (with the exception of the BSE in Physical Education) will be assigned an advisor in both the College of Education and the college from which the major course work will be taken.

Eight-semester degree plans are catalogued according to the college in which the major course work is offered. The college and page number where each teaching field is listed are noted within the following list of teaching fields:

**Bachelor of Science in Education (BSE)**

K-12 Physical Education, and Health – refer to College of Education section of catalog.

**Bachelor of Arts (BA)**

Please refer to College of Liberal and Performing Arts section of the catalog for the following degrees:

- English with a minor in Education (7-12)
- History: Social Studies Education Option (7-12)
- Spanish with a minor in Education (7-12)

**Bachelor of Science (BS)**

Please refer to the College of Science and Engineering section of the catalog for the following degrees:

- Mathematics with Education minor (7-12)
- Agricultural Education (7-12)

**Bachelor of Fine Arts (BFA)**

Please refer to the College of Liberal and Performing Arts section of the catalog for the following degrees:

- Instrumental Music (P-8 and 7-12, combined program)
- Vocal Music (P-8 and 7-12, combined program)

**Education Minor - 21 Hours**

**Educator Preparation Provider (EPP) Conceptual Framework: *Attaining Educational Achievement through Collaboration and Reflection***

The mission of the education Educator Preparation Program is to prepare candidates who attain educational achievement through collaboration and reflection. To that end the education preparation program (including content departments), collaborates with K-12 schools, Educational Service Cooperatives, Educational Renewal Zones and other local, state, and national organizations to inculcate high standards of educational achievement for all students. The program engages pre-service and in-service teachers, administrators, counselors and other educators to excel in teaching, leadership, scholarship and service.

The EPP holds the established dispositions, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

The EPP holds the established competencies, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

Graduation with an education minor requires admission to the Teacher Education Program.

21 hours:

EDUC	2000	Educational Field Experience, Level I Lab
EDUC	2003	Introduction to Education
SPCH	1113	Introduction to Public Speaking

Pass Praxis I: Math, Reading, and Writing: Acceptance into Teacher Education Program required to progress.

EDUC	4043	Assessment, Evaluation, Measurement
S ED	3003	The Secondary and Middle School Curricula
S ED	4023	Supervised Field Experience Level II
SPED	4073	Survey of Exceptional Individuals

3 hours of methods and materials in major content field (major requirement when appropriate)

**Professional Semester - 12 hours**

Take Praxis II exams as mandated by ADE specific to content areas (i.e., math, social studies)

EDUC	4003	Student Teaching Seminar
S ED	4006	Student Teaching in the Secondary School I
S ED	4103	Student Teaching in the Secondary School II

When appropriate, methods and materials courses should count as major requirements.

**Certificate of Completion: Teaching with Technology – 12 hours**

EDUC	4103	Online Progress Monitoring
EDUC	4123	Using Podcasts in the Classroom
EDUC	4133	Using SmartBoards in the Classroom
EDUC	4143	Using Videos in the Classroom

This certificate does not lead to state licensure.

**Bachelor of Fine Arts**

Those students who plan to teach art in the public schools may enroll into the Master of Arts in Teaching (MAT) Program after earning their BFA degree in art. The two-year program is comprised of 30 hours of graduate coursework, followed by a year of teaching as a fully employed teacher of record in a public school. The combination of online and face-to-face night classes makes this a convenient way to achieve the license for teaching art at any grade (P-12).



## **Department of Health, Kinesiology, and Recreation**

Steve Dingman, MEd, Chair

### **The Department of Health, Kinesiology, and Recreation offers three distinct educational programs for students:**

1. Exercise Science
2. Physical Education
3. Sports Management

### **Major in Exercise Science (BS)**

120 hours

The Exercise Science degree program combines coursework with experiential learning to ensure our students excel in a variety of professional and fitness settings. In this major, students develop theoretical knowledge that allows graduates to be prepared for post-baccalaureate programs and/or professional schools in physical therapy, physical therapy assistant, athletic training, occupational therapy, and occupational therapy assistant among others. Additionally, students may choose to follow a career in fitness and strength and conditioning. Two emphasis tracks are available to allow the student to obtain a more career focused content. The program is based upon the knowledge, skills, and abilities outlined by the American College of Sports Medicine (ACSM) and the National Strength and Conditioning Association (NSCA).

To obtain a Bachelor of Science degree with a major in Exercise Science, the student must earn a minimum cumulative grade point average of 2.50, earn a minimum grade point average of 2.50 in the major, and earn a C or better in all core courses in the major and complete the pattern of courses listed.

#### **University Requirement - 2 hours**

GSTD 1002 Freshman Seminar

**General Education - 35 hours** (pre-professional emphasis must include BIOL 1203/1201, CHEM 1013/1011 or CHEM 1023/1021, MATH 1023 or higher, and PSYC 2003)

#### **Major Requirements - 65 hours**

AT	3013	Therapeutic Exercise
AT	3023	Strength and Conditioning
ESCI	3003	Motor Learning and Development
ESCI	3043	Nutrition and Human Performance
ESCI	4023	Applied Statistics
ESCI	4333	Instrumentation and Physiological Assessment
ESCI	4363	Exercise Prescription and Fitness Program
ESCI	4652	Exercise Science Practicum I
ESCI	4676	Exercise Science Internship I
ESCI	4686	Exercise Science Internship II
HKR	3653	Leadership in HKR
HKR	4323	Organization and Administration in Health, Kinesiology, and Recreation
HS	1403	Personal and Community Health
HS	2413	First Aid and Safety/CPR
HS	3243	Kinesiology and Biomechanics
HS	4013	Adapted Kinesiology

HS	4023	Pharmacology in Sports
HS	4243	Exercise Physiology
REC	3663	Leisure and Aging

3 hours selected from the following:

CSCI	1102/1101	Introduction to Computing/Lab
EDUC	2023	K-12 Education Technology
IS	1003	Introduction to Computers

**Exercise Science majors select one of the two major emphasis areas below**

**Pre-Professional Emphasis – 18 hours**

BIOL	1213/1211	Principles of Biology II/Lab
BIOL	2063/2061	Anatomy and Physiology I/Lab
BIOL	2073/2071	Anatomy and Physiology II/Lab
ESCI	3032	Therapy and Rehabilitation
PHYS	2003/2001	College Physics I/Lab

**Strength and Conditioning Emphasis – 18 hours**

ESCI	4033	Trends in Strength and Conditioning
HS	2043	Human Anatomy and Physiology
SM	3323	Instructional Techniques in Coaching
SM	3623	Psychology of Sports
SM	4013	Legal and Ethical Issues in Sports

3 hours of major electives selected from the following:

BIOL	2003	Nutrition and Diet
FIN	2003	Personal Finance
HS	2443	Techniques in the Prevention and Care of Athletic Injuries
PSYC	3223	Developmental Psychology
SM	3633	Sport Promotion and Financial Management

**Teaching Major in K-12 Physical Education and Health (BSE)**

120 hours

Please see admission criteria for the Teacher Education Program.

To obtain a bachelor of science in education degree with a major in Physical Education and Health, candidates must earn a minimum cumulative grade point average of 3.0 in his/her major and supporting field (if any), and complete the pattern of courses (major courses with a C or higher), listed below. Licensure areas include K-12.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 35 hours**

**Candidates must take and pass all three Praxis Core Academic Skills for Educators as a requirement to be accepted into the Teacher Education Program.**

**Teacher Education - 35 hours**

EDUC	2023	K-12 Education Technology
EDUC/PSYC	3013	Educational Psychology
HKR	2000	Education and Field Experience Level I Lab

HKR	2003	Introduction to Education and Field Experience, Level I
SPCH	1113	Introduction to Public Speaking

Select 3 hours from the following:

PSYC	3123	Child Psychology
PSYC	3223	Developmental Psychology
PSYC	4033	Abnormal Psychology
PSYC	4083	Adolescent Psychology

**Courses requiring admission to Teacher Education**

HKR	3111	Supervised Field Experience - HKR
HKR	3301	Supervised Field Experience - HKR
HKR	3703	Methods and Materials in Kinesiology for Elementary Schools
HKR	3723	Methods and Materials in Health, Kinesiology, and Recreation for Secondary and Middle School
HKR	4003	Student Teaching Seminar
HKR	4006	Student Teaching in the Secondary School I
HKR	4103	Student Teaching in the Elementary School II

**K-12 Physical Education and Health Major - 48 hours**

ESCI	3003	Motor Learning and Development
ESCI	4023	Applied Statistics
HKR	1113	Methods of Teaching Individual/Dual Activities
HKR	1123	Methods of Teaching Team Activities
HKR	3803	Lifeguarding
HKR	3882	Theory and Techniques in Rhythm Activities
HKR	4102	Professionalism and Leadership in HKR
HKR	4323	Organization and Administration of Health, Kinesiology, and Recreation
HKR	4343	History and Philosophy of Health, Kinesiology, and Recreation
HS	1403	Personal and Community Health
HS	2043	Human Anatomy and Physiology
HS	2413	First Aid and Safety/CPR
HS	3243	Kinesiology and Biomechanics
HS	4013	Adapted Kinesiology
HS	4243	Exercise Physiology
REC	3613	School and Community Recreation

2 hours selected from the following:

HKR	2812	Theory and Fundamentals of Basketball
HKR	2822	Theory and Fundamentals of Football
HKR	3832	Theory and Fundamentals of Baseball and Softball
HKR	3842	Theory and Fundamentals of Track and Field
HKR	3852	Theory and Fundamentals of Tennis and Volleyball
REC	3642	Camping and Camp Counseling

**K-12 Physical Education, and Health Minor - 21 hours**

ESCI	3003	Motor Learning and Development
HKR	1113	Methods of Teaching Individual/Dual Activities

or

HKR	1123	Methods of Teaching Team Activities
HKR	3703	Methods and Materials in Kinesiology for Elementary Schools
HKR	3723	Methods and Materials in Health, Kinesiology, and Recreation in Secondary and Middle School
HKR	4323	Organization and Administration of Health, Kinesiology, and Recreation
HS	2043	Human Anatomy and Physiology
HS	4013	Adapted Kinesiology

**Health Education as a minor - 15 hours**

ESCI	3043	Nutrition and Human Performance for Health Education
HKR	4323	Organization and Administration of Health, Kinesiology, and Recreation
HS	1403	Personal and Community Health
HS	2043	Human Anatomy and Physiology
HS	2413	First Aid and Safety/CPR

**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:

ESCI	3003	Motor Learning and Development
HKR	4323	Organization and Administration of Health, Kinesiology, and Recreation
HS	2043	Human Anatomy and Physiology
HS	2413	First Aid and Safety/CPR
HS	2443	Techniques in the Prevention and Care of Athletic Injuries
HS	3243	Kinesiology and Biomechanics

4 hours selected from the following:

HKR	2812	Theory and Fundamentals of Basketball
HKR	2822	Theory and Fundamentals of Football
HKR	3832	Theory and Fundamentals of Baseball and Softball
HKR	3842	Theory and Fundamentals of Track and Field

**Major in Sport Management (BS)**

120 hours

To obtain a Bachelor of Science degree with a major in Sport Management, the student must earn a minimum grade point average of 2.00 in the major, complete the pattern of courses listed below, and complete one concentration area, which would support the occupational directions being pursued. Students select a concentration area to provide specific curriculum for their professional goals. The concentration areas are Athletic Administration, Coaching, and Sports Information. This program is a non-teaching degree.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 35 hours****Core Requirements - 62 hours**

EDUC	2023	K-12 Education Technology
ESCI	3003	Motor Learning and Development
HKR	1113	Methods of Teaching Individual/Dual Activities
HKR	1123	Methods of Teaching Team Activities
HKR	3653	Leadership in HKR
HKR	4323	Organization and Administration of Health, Kinesiology, and Recreation
HKR	4343	History and Philosophy of Health, Kinesiology, and Recreation
HS	1403	Personal and Community Health
HS	2043	Human Anatomy and Physiology
HS	2413	First Aid and Safety/CPR
HS	3243	Kinesiology & Biomechanics
SM	2003	Introduction to Sport Management
SM	2013	Critical Issues in Sport Management
SM	3623	Psychology of Sports
SM	4003	Facility & Event Management
SM	4013	Legal & Ethical Issues in Sports
SM	4652	Sport Management Practicum I
SM	4676	Sport Management Internship I
SM	4686	Sport Management Internship II

**Students must select ONE Concentration area and complete the designated courses:****Athletic Administration Concentration – 21 hours**

HKR	4383	Workshop in HKR & Sports
MGMT	2003	Business Communications
SM	3313	Sports Marketing
SM	3633	Sport Promotion and Financial Management
SM	4333	Sports Governance

Select 6 hours from designated Major electives.

**Coaching Concentration – 21 hours**

AT	3023	Strength & Conditioning
ESCI	3043	Nutrition & Human Performance
HKR	4383	Workshop in HKR & Sports
HS	4023	Pharmacology in Sports
SM	3323	Instructional Techniques in Coaching

Select 6 hours from designated Major electives.

**Sports Information Concentration – 21 hours**

HKR	4383	Workshop in HKR & Sports
MCOM	1003	Intro to Mass Communication
MCOM	2123	Graphic Software Applications
MCOM	4003	Media Law & Ethics
MM	2003	Reporting & Writing for the Mass Media
SM	3103	Sport Information Management
SM	3313	Sports Marketing

**Major Electives for Sport Information Major**

HKR	2812	Theory and Fundamentals of Basketball
HKR	2822	Theory and Fundamentals of Football
HKR	3832	Theory and Fundamentals of Baseball & Softball
HKR	3842	Theory and Fundamentals of Track and Field
HKR	3852	Theory and Fundamentals of Tennis & Volleyball
HS	2443	Techniques in the Prevention & Care Athletic Injuries
REC	3052	Officiating Fall Sports
REC	3062	Officiating Spring Sports

**Minor in Exercise Science - 17 hours**

ESCI	3003	Motor Learning and Development
ESCI	4333	Instrumentation and Physiological Assessment
ESCI	4652	Exercise Science Practicum I
HS	2043	Human Anatomy and Physiology
HS	3243	Kinesiology and Biomechanics
HS	4023	Pharmacology in Sports

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 2413, HS 4243, and HS 4023.

**Minor in Sport Management – 18 hours**

SM	2003	Introduction to Sport Management
SM	4003	Facility and Event Management
SM	4013	Legal and Ethical Issues in Sports
SM	4333	Sports Governance

**Select 6 hours from the following:**

AT	3023	Strength and Conditioning
ESCI	3043	Nutrition & Human Performance
SM	2013	Critical Issues in Sport Management
SM	3313	Sports Marketing
SM	3323	Instructional Techniques in Coaching
SM	3623	Psychology of Sports

**College of Education**  
**PACT 8 Degree Plans**

### Elementary Education K-6 (BSE)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053, or MATH 1525)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	EDUC 2003/2000 Introduction to Education/Lab	3
Biology Science choice/Lab (BIOL 1043/1041 or BIOL 1203/1201)	4	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
GSTD 1002 Freshman Seminar	2	SPCH 1113 Introduction to Public Speaking	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	HIST 4083 History of Arkansas	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 1133/1131, PHYS 2003/2001, or PHYS 2203/2201)	4	EDUC 3013 Educational Psychology	3
MATH 2053 Math for Teachers I	3	EDUC 2023 K-12 Education Technology	3
E ED 2003 Child Growth and Development	3	MATH 2063 Math for Teachers II	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
Formal admission to Teacher Education including passing Praxis CORE.		E ED 3073 Methods of Teaching Mathematics K-6	3
E ED 4353 Social Studies in the Elementary School	3	E ED 4243 STEM for Elementary Teachers	3
E ED 4173 Teaching Literacy I	3	E ED 4273 Teaching Literacy II	3
E ED 3233 Classroom and Group Management	3	E ED 3273 Methods of Teaching Social Studies	3
E ED 3213 Integrated Curriculum and Methods	3	E ED 4023 Lower Grades Field Experience	3
SPED 4073 Survey of Exceptional Individuals	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
E ED 4374 Advanced Teaching Literacy	4	Completion of Praxis II exams required prior to student teaching	
E ED 4303 Upper Grades Field Experience	3	EDUC 4003 Student Teaching Seminar	3
E ED 4323 Families, School and Communities	3	E ED 4006 Student Teaching I	6
E ED 4343/4341 STEM Science for Teachers/Lab	4	E ED 4103 Student Teaching II	3
EDUC 4043 Assessment, Evaluation and Measurement	3		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.



### Elementary Education K-6 STEM (BSE)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053, or MATH 1525)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	EDUC 2003/2000 Introduction to Education/Lab	3
Biology Science choice/Lab (BIOL 1043/1041 or BIOL 1203/1201)	4	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
GSTD 1002 Freshman Seminar	2	SPCH 1113 Introduction to Public Speaking	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	HIST 4083 History of Arkansas	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 1133/1131, PHYS 2003/2001, or PHYS 2203/2201)	4	EDUC 3013 Educational Psychology	3
MATH 2053 Math for Teachers I	3	EDUC 2023 K-12 Education Technology	3
E ED 2003 Child Growth and Development	3	MATH 2063 Math for Teachers II	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
Formal admission to Teacher Education including passing Praxis CORE.		E ED 3073 Methods of Teaching Mathematics K-6	3
E ED 4353 Social Studies in the Elementary School	3	E ED 4243 STEM for Elementary Teachers	3
E ED 4173 Teaching Literacy I	3	E ED 4273 Teaching Literacy II	3
E ED 3233 Classroom and Group Management	3	E ED 3273 Methods of Teaching Social Studies	3
E ED 3213 Integrated Curriculum and Methods	3	E ED 4023 Lower Grades Field Experience	3
SPED 4073 Survey of Exceptional Individuals	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
E ED 4374 Advanced Teaching Literacy	4	Completion of Praxis II exams required prior to student teaching	
E ED 4303 Upper Grades Field Experience	3	EDUC 4003 Student Teaching Seminar	3
E ED 4323 Families, School and Communities	3	E ED 4006 Student Teaching I	6
E ED 4343/4341 STEM Science for Teachers/Lab	4	E ED 4103 Student Teaching II	3
EDUC 4043 Assessment, Evaluation and Measurement	3		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

**Middle School Education - Language Arts & Social Studies Concentrations (BSE)**  
Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSYC 2003, SOC 1003, or SOC 2003)	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, or THEA 2003)	3
Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4	SPCH 1113 Introduction to Public Speaking	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>18</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
EDUC 2003/2000 Introduction to Education/Lab	3	GEOG 2003 Introduction to Geography or UL geography elective	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 1133/1131, PHYS 2003/2001, or PHYS 2203/2201)	4	EDUC 2023 K-12 Education Technology	3
PSCI 2003 American Government: National	3	HIST 4083 History of Arkansas	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
ENGL 3003 Advanced Professional Writing	3	UL Literature Elective	3
MSED 4353 Social Studies for Middle School Teachers	3	EDUC 4113 Reading Diagnostics	3
EDUC 3013 Educational Psychology or PSYC 4083 Adolescent Psychology	3	MSED 4022 Middle Level Field II	2
MSED 4323 Family, Schools, and Community	3	ENGL 3653 Introduction to English Language Studies or ENGL 4003 Teaching People from Other Cultures or UL English elective	3
SPED 4073 Survey of Exceptional Individuals	3	UL non-US history elective	3
Formal Admission to Teacher Education including passing Praxis CORE.			
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 7		Spring - Semester 8	
EDUC 4043 Assessment, Evaluation, and Measurement	3	EDUC 4003 Student Teaching Seminar	3
ENGL 3043 Comparative English Grammar or MSED 4333 Language Arts for Teachers	3	MSED 4006 Student Teaching I	6
MSED 3053 Integrated Curriculum	3	MSED 4103 Student Teaching II	3
EDUC 4203 Strategies for Content Area Reading	3		
EDUC 4273 Classroom and Group Management	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\* Note: Student must take World History I, II and U.S. History I, II.

**Middle School Education - Language Arts & Mathematics Concentrations (BSE)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics** MATH 1023 College Algebra	3	MATH 1033 Plane Trigonometry	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Biological Science Choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4	SPCH 1113 Introduction to Public Speaking	3
GSTD 1002 Freshman Seminar	2	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003, or SOC 2003)	3
EDUC 2003/2000 Introduction to Education/Lab	3	MATH 2063 Math for Teachers II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 1133/1131, PHYS 2133/2131, PHYS 2003/2001, or PHYS 2203/2201)	4	EDUC 2023 K-12 Education Technology	3
MATH 1525 Calculus I	5	ENGL 3003 Advanced Professional Writing	3
<b>Total Semester Hours</b>	<b>18</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
EDUC 3013 Educational Psychology or PSYC 4083 Adolescent Psychology	3	UL Literature Elective	3
ENGL 3043 Comparative English Grammar or MSED 4333 Language Arts for Teachers	3	EDUC 4113 Reading Diagnostics	3
HIST 4083 History of Arkansas	3	MSED 4023 Middle Level Field II	3
ENGL 3653 Introduction to English Language Studies or ENGL 4003 Teaching People from Other Cultures or UL English Elective	3	UL English Elective	3
SPED 4073 Survey of Exceptional Individuals	3	MSED 4293 Math for Middle Level Teachers	3
Formal Admission to Teacher Education including passing Praxis CORE.			
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
EDUC 4043 Assessment, Evaluation, and Measurement	3	EDUC 4003 Student Teaching Seminar	3
MSED 4323 Family, Schools, and Community	3	MSED 4006 Student Teaching I	6
MSED 3053 Integrated Curriculum	3	MSED 4103 Student Teaching II	3
EDUC 4203 Strategies for Content Area Reading	3		
EDUC 4273 Classroom and Group Management	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*Students may substitute MATH 1045 for MATH 1023 College Algebra and MATH 1033 Plane Trigonometry.

### Middle School Education - Science & Social Studies Concentrations (BSE)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, or MATH 1525)	3	BIOL 1043/1041 Intro to Biology/Lab or BIOL 1203/1201 Principles of Biology I/Lab	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, or THEA 2003)	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 1133/1131, PHYS 2133/2131, PHYS 2003/2001, or PHYS 2203/2201)	4	SPCH 1113 Introduction to Public Speaking	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>18</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring – Semester 4	
EDUC 2003/2000 Introduction to Education/Lab	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	GEOG 2003 Introduction to Geography or UL geography elective	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSYC 2003, SOC 1003, or SOC 2003)	3	MSED 4243 STEM for Middle School Teachers	3
PSCI 2003 American Government: National	3	EDUC 2023 K-12 Education Technology	3
Science Elective (BIOL, CHEM, ENGR, PHYS)	3	HIST 4083 History of Arkansas	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring – Semester 6	
UL non-US history elective	3	EDUC 4113 Reading Diagnostics	3
EDUC 3013 Educational Psychology or PSYC 4083 Adolescent Psychology	3	MSED 4023 Middle Level Field II	3
MSED 4323 Family, Schools, and Community	3	EDUC 4043 Assessment, Evaluation, and Measurement	3
SPED 4073 Survey of Exceptional Individuals	3	MSED 3053 Integrated Curriculum	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	MSED 4353 Social Studies for Middle School Teachers	3
Formal Admission to Teacher Education including passing Praxis CORE.			
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring – Semester 8	
MSED 4343/4001 STEM Methods for Middle School Teachers/Lab	4	EDUC 4003 Student Teaching Seminar	3
EDUC 4203 Strategies for Content Area Reading	3	MSED 4006 Student Teaching I	6
EDUC 4273 Classroom and Group Management	3	MSED 4103 Student Teaching II	3
CHEM 1013/1011 College Chemistry I/Lab or CHEM 1023/1021 University Chemistry I/Lab or GEOL 1003/1001 Physical Geology/Lab	4		
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\* Note: Student must take World History I, II and U.S. History I, II.

**Middle School Education - Language Arts & Science Concentrations (BSE)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, or MATH 1525)	3	CHEM 1013/1011 College Chemistry I/Lab or CHEM 1023/1021 University Chemistry I/Lab or GEOL 1003/1001 Physical Geology/Lab	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
BIOL 1043/1041 Intro to Biology/Lab or BIOL 1203/1201 Principles of Biology I/Lab	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003, or Foreign Language)	3
GSTD 1002 Freshman Seminar	2	SPCH 1113 Introduction to Public Speaking	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
EDUC 2003/2000 Introduction to Education/Lab	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003, or SOC 2003)	3
EDUC 2023 K-12 Education Technology	3	MSED 4243 STEM for Middle School Teachers	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 1133/1131, PHYS 2133/2131, PHYS 2003/2001, or PHYS 2203/2201)	4	EDUC 3013 Educational Psychology or PSYC 4083 Adolescent Psychology	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	HIST 4083 History of Arkansas	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
ENGL 3003 Advanced Professional Writing	3	EDUC 4113 Reading Diagnostics	3
MSED 3053 Integrated Curriculum	3	MSED 4023 Middle Level Field II	3
MSED 4323 Family, Schools, and Community	3	UL English Elective	3
SPED 4073 Survey of Exceptional Individuals	3	UL Literature Elective	3
ENGL 3653 Introduction to English Language Studies or ENGL 4003 Teaching People from Other Cultures or UL English Elective	3	Science Elective (BIOL, CHEM, ENGR, PHYS)	3
Formal Admission to Teacher Education including passing Praxis CORE.			
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
EDUC 4043 Assessment, Evaluation, and Measurement	3	EDUC 4003 Student Teaching Seminar	3
MSED 4343/4001 STEM Methods for Middle School Teachers/Lab	4	MSED 4006 Student Teaching I	6
EDUC 4203 Strategies for Content Area Reading	3	MSED 4103 Student Teaching II	3
EDUC 4273 Classroom and Group Management	3		
ENGL 3043 Comparative English Grammar or MSED 4333 Language Arts for Teachers	3		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

**Middle School Education - Mathematics & Social Studies Concentrations (BSE)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics** MATH 1023 College Algebra	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	EDUC 2003/2000 Introduction to Education/Lab	3
Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003, or Foreign Language)	3
SPCH 1113 Introduction to Public Speaking	3	MATH 1033 Plane Trigonometry	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>18</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	EDUC 2023 K-12 Education Technology	3
MATH 1525 Calculus I	5	GEOG 2003 Introduction to Geography or UL geography elective	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSYC 2003, SOC 1003, or SOC 2003)	3
		MATH 2063 Math for Teachers II	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
MSED 3053 Integrated Curriculum	3	EDUC 4113 Reading Diagnostics	3
SPED 4073 Survey of Exceptional Individuals	3	MSED 4023 Middle Level Field II	3
EDUC 3013 Educational Psychology or PSYC 4083 Adolescent Psychology	3	MSED 4353 Social Studies for Middle School Teachers	3
PSCI 2003 American Government: National	3	MSED 4293 Math for Middle Level Teachers	3
UL non-US history elective	3	HIST 4083 History of Arkansas	3
Formal Admission to Teacher Education including passing Praxis CORE.			
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
EDUC 4043 Assessment, Evaluation, and Measurement	3	EDUC 4003 Student Teaching Seminar	3
MSED 4323 Family, Schools, and Community	3	MSED 4006 Student Teaching I	6
EDUC 4203 Strategies for Content Area Reading	3	MSED 4103 Student Teaching II	3
EDUC 4273 Classroom and Group Management	3		
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 1133/1131, PHYS 2003/2001, or PHYS 2203/2201)	4		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\* Note: Student must take World History I, II and U.S. History I, II.

\*\*Students may substitute MATH 1045 for MATH 1023 College Algebra and MATH 1033 Plane Trigonometry.

### Middle School Education STEM (BSE)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics** MATH 1023 College Algebra	3	CHEM 1013/1011 College Chemistry I/Lab	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	MATH 1033 Plane Trigonometry	3
BIOL 1043/1041 Introduction to Biology or BIOL 1203/1201 Principles of Biology I/Lab	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003, or Foreign Language)	3
GSTD 1002 Freshman Seminar	2	SPCH 1113 Introduction to Public Speaking	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
EDUC 2003/2000 Introduction to Education/Lab	3	EDUC 2023 K-12 Education Technology	3
World Literature I/II (ENGL 2213 or ENGL 2223)	3	MSED 4243 STEM for Middle School Teachers	3
MATH 2063 Math for Teachers II	3	MATH 1525 Calculus I	5
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 1133/1131, PHYS 2003/2001, or PHYS 2203/2201)	4	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003, or SOC 2003)	3
Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 5		Spring - Semester 6	
MSED 3053 Integrated Curriculum	3	EDUC 4113 Reading Diagnostics	3
EDUC 3013 Educational Psychology	3	MSED 4023 Middle Level Field II	3
HIST 4083 History of Arkansas	3	MATH 3043 Applied Probability and Statistics I	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	MSED 4293 Math for Middle Level Teachers	3
Science Elective/Lab (BIOL, CHEM, ENGR, PHYS)	4	SPED 4073 Survey of Exceptional Individuals	3
Formal Admission to Teacher Education including passing Praxis CORE.			
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
EDUC 4043 Assessment, Evaluation, and Measurement	3	EDUC 4003 Student Teaching Seminar	3
MSED 4343/4001 STEM Methods for Middle School Teachers/Lab	4	MSED 4006 Student Teaching I	6
EDUC 4203 Strategies for Content Area Reading	3	MSED 4103 Student Teaching II	3
EDUC 4273 Classroom and Group Management	3		
MSED 4323 Family, Schools, and Community	3		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*Students may substitute MATH 1045 for MATH 1023 College Algebra and MATH 1033 Plane Trigonometry.

### Exercise Science Pre-Professional Emphasis (BS)

Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	Fine Arts/Humanities (ART 1013 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
CHEM 1023/1021 University Chemistry I/Lab	4	BIOL 1203/1201 Principles of Biology I/Lab	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National OR PSYC 2003 General Psychology	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National OR PSYC 2003 General Psychology	3
GSTD 1002 Freshman Seminar	2	HS 1403 Personal and Community Health	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	EDUC 2023 K-12 Education Technology or IS 1003 Introduction to Computers or CSCI 1102/1101 Introduction to Computing/Lab	3
ESCI 3003 Motor Learning and Development	3	REC 3663 Leisure and Aging	3
HS 2413 First Aid and Safety/CPR	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National OR PSYC 2003 General Psychology	3
BIOL 1213/1211 Principles of Biology II/Lab	4	Fine Arts/Humanities (ART 1013 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
BIOL 2063/2061 Anatomy & Physiology I/Lab	4	BIOL 2073/2071 Anatomy & Physiology II/Lab	4
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 5		Spring - Semester 6	
ESCI 4363 Exercise Prescription and Fitness Program	3	HKR 4323 Organization and Administration in HKR	3
REC 3653 Leadership in HKR	3	ESCI 4023 Applied Statistics	3
AT 3013 Therapeutic Exercise	3	HS 3243 Kinesiology and Biomechanics	3
PHYS 2003/2001 College Physics I/Lab	4	HS 4023 Pharmacology in Sports	3
HS 4013 Adapted Kinesiology	3	ESCI 3032 Therapy and Rehabilitation	2
ESCI 4652 Exercise Science Practicum I	2		
<b>Total Semester Hours</b>	<b>18</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 7		Spring - Semester 8	
HS 4243 Exercise Physiology	3	ESCI 4676 Exercise Science Internship I	6
AT 3023 Strength and Conditioning	3	ESCI 4686 Exercise Science Internship II	6
ESCI 3043 Nutrition and Human Performance	3		
ESCI 4333 Instrumentation and Physiological Assessment	3		
<b>Total Semester Hours</b>	<b>12</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National. PSYC 2003 General Psychology is required.



### Exercise Science Strength & Conditioning Emphasis (BS)

Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053, or MATH 1525)	3	Fine Arts/Humanities (ART 1013 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
HS 1403 Personal and Community Health	3	HS 2043 Human Anatomy and Physiology	3
Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4	EDUC 2023 K-12 Education Technology or IS 1003 Introduction to Computers or CSCI 1102/1101 Introduction to Computing/Lab	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>18</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	REC 3653 Leadership in HKR	3
ESCI 3003 Motor Learning and Development	3	REC 3663 Leisure and Aging	3
HS 2413 First Aid and Safety/CPR	3	SM 3623 Psychology of Sports	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003, SOC 2003)	3
Fine Arts/Humanities (ART 1013 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	Major Elective	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
ESCI 4363 Exercise Prescription and Fitness Program	3	HKR 4323 Organization and Administration in HKR	3
AT 3023 Strength and Conditioning	3	ESCI 4023 Applied Statistics	3
AT 3013 Therapeutic Exercise	3	HS 3243 Kinesiology and Biomechanics	3
SM 3323 Instructional Strategies in Coaching	3	HS 4023 Pharmacology in Sports	3
HS 4243 Exercise Physiology	3	ESCI 4333 Instrumentation and Physiological Assessment	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
ESCI 4033 Trends in Strength & Conditioning	3	ESCI 4676 Exercise Science Internship I	6
HS 4013 Adapted Kinesiology	3	ESCI 4686 Exercise Science Internship II	6
ESCI 3043 Nutrition and Human Performance	3		
ESCI 4652 Exercise Science Practicum I	2		
SM 4013 Legal and Ethical Issues in Sports	3		
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

#### Major Elective Options

BIOL 2003 Nutrition and Diet	PSYC 3223 Developmental Psychology
FIN 2003 Personal Finance	SM 3663 Sport Promotion & Financial Management
HS 2443 Techniques in the Prevention & Care of Athletic Injuries	

### K-12 Physical Education, and Health (BSE)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
HKR 1113 Methods of Teaching Individual/Dual Activities	3	HKR 1123 Methods of Teaching Team Activities	3
SPCH 1113 Introduction to Public Speaking	3	HS 1403 Personal and Community Health	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>18</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	HKR 3882 Theory and Techniques in Rhythm Activities	2
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	HKR 3803 Lifeguarding/Water Safety for Advanced Swimmers	3
Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4
HS 2043 Human Anatomy and Physiology	3	UL Psychology Elective	3
Social Science choice (ECON 2103 or FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, or SOC 1003 or 2003)	3	ESCI 3003 Motor Learning and Development	3
HKR 2003/2000 Introduction to Education/Lab	3		
<b>Total Semester Hours</b>	<b>18</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
HS 3243 Kinesiology and Biomechanics	3	HKR 4323 Organization and Administration of HKR	3
EDUC 2023 K-12 Educational Technology	3	HKR 4343 History and Philosophy of HKR	3
EDUC 3013 Educational Psychology	3	HS 2413 First Aid and Safety/CPR	3
HS 4013 Adapted Kinesiology	3	ESCI 4023 Applied Statistics	3
		HKR 3723/3301 Methods and Materials for Secondary and Middle School/Supervised Field Experience -HKR	4
<b>Total Semester Hours</b>	<b>12</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 7		Spring - Semester 8	
HS 4243 Exercise Physiology	3	Completion of Praxis II exams required prior to student teaching	
REC 3613 School and Community Recreation	3	HKR 4003 Student Teaching Seminar	3
HKR 3703/3111 Methods and Materials in Kinesiology for Elementary Schools/Supervised Field Experience-HKR	4	HKR 4006 Student Teaching in the Secondary School I	6
HKR 4102 Professionalism and Leadership in HKR	2	HKR 4103 Student Teaching in the Elementary School II	3
Elective – see choices below	2		
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Major Electives

HKR 2812 Theory and Fundamentals in Basketball	HKR 3842 Theory and Fundamentals in Track & Field
HKR 2822 Theory and Fundamentals in Football	HKR 3852 Theory and Fundamentals in Tennis & Volleyball
HKR 2832 Theory and Fundamentals in Baseball	HKR 3642 Camping and Camp Counseling

Upper Level Psychology Electives

PSYC 3123 Child Psychology	PSYC 4033 Abnormal Psychology
PSYC 3223 Developmental Psychology	PSYC 4083 Adolescent Psychology

**Bachelor of Science  
Sport Management  
Athletic Administration Emphasis**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
HS 1403 Personal and Community Health	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
Mathematics (MATH 1023, MATH 1045 MATH 1053, or MATH 1525)	3	Biological Science Choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
HKR 1113 Methods of Teaching Individual/Dual Activities	3	HKR 1123 Methods of Teaching Team Activities	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	MGMT 2003 Business Communications	3
Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403 or THEA 2003)	3	Physical Science/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, or PHYS 2203/2201)	4
Social Science choice (ECON 2103 or FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, or SOC 1003 or 2003)	3	**Major Elective	2
HS 2413 First Aid and Safety /CPR	3	HS 2043 Human Anatomy and Physiology	3
EDUC 2023 K-12 Education Technology	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>
Fall - Semester 5		Spring - Semester 6	
SM 2003 Introduction to Sport Management	3	SM 2013 Critical Issues in Sport Management	3
SM 3313 Sports Marketing	3	SM 3633 Sport Promotion & Financial Management	3
HS 3243 Kinesiology & Biomechanics	3	ESCI 3003 Motor Learning and Development	3
HKR 3653 Leadership in HKR	3	SM 3623 Psychology of Sports	3
		HKR 4343 History and Philosophy of HKR	3
		** Major Elective	2
<b>Total Semester Hours</b>	<b>12</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 7		Spring - Semester 8	
HKR 4383 Workshop in HKR & Sports	3	HKR 4323 Organization and Administration of HKR	3
SM 4003 Facility and Event Management	3	SM 4676 Sport Management Internship II	6
SM 4013 Legal and Ethical Issues in Sport	3	SM 4686 Sport Management Internship II	6
SM 4333 Sport Governance	3		
SM 4652 Recreational Practicum I	2		
**Major Elective	2		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>

Total hours required for major – 121

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*HKR Theory and Fundamentals options – Students can only take one 2000 level course to meet core curriculum hours.

\*\*Major electives selected from HKR 2812, HKR 2822, REC 3052, REC 3062, HKR 3832, HKR 3842, HKR 3852, and HS 2443

**Bachelor of Science  
Sport Management  
Coaching Emphasis**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
HS 1403 Personal and Community Health	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
Mathematics (MATH 1023, MATH 1045 MATH 1053, or MATH 1525)	3	Biological Science Choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
HKR 1113 Methods of Teaching Individual/Dual Activities	3	HKR 1123 Methods of Teaching Team Activities	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	AT 3023 Strength & Conditioning	3
Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403 or THEA 2003)	3	Physical Science/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, or PHYS 2203/2201)	4
Social Science choice (ECON 2103 or FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, or SOC 1003 or 2003)	3	**Major Elective	2
HS 2413 First Aid and Safety /CPR	3	HS 2043 Human Anatomy and Physiology	3
EDUC 2023 K-12 Education Technology	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>
Fall - Semester 5		Spring - Semester 6	
SM 2003 Introduction to Sport Management	3	SM 2013 Critical Issues in Sport Management	3
SM 3323 Instructional Techniques in Coaching	3	ESCI 3003 Motor Learning and Development	3
HS 3243 Kinesiology & Biomechanics	3	ESCI 3043 Nutrition & Human Performance	3
HKR 3653 Leadership in HKR	3	SM 3623 Psychology of Sports	3
		HKR 4343 History and Philosophy of HKR	3
		** Major Elective	2
<b>Total Semester Hours</b>	<b>12</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 7		Spring - Semester 8	
HKR 4383 Workshop in HKR & Sports	3	HKR 4323 Organization and Administration of HKR	3
SM 4003 Facility and Event Management	3	SM 4676 Sport Management Internship II	6
SM 4013 Legal and Ethical Issues in Sport	3	SM 4686 Sport Management Internship II	6
HS 4023 Pharmacology in Sports	3		
**Major Elective	2		
SM 4652 Recreational Practicum I	2		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>

Total hours required for major – 121

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*HKR Theory and Fundamentals options – Students can only take one 2000 level course to meet core curriculum hours.

\*\*Major electives selected from HKR 2812, HKR 2822, REC 3052, REC 3062, HKR 3832, HKR 3842, HKR 3852, and HS 2443

**Bachelor of Science  
Sport Management  
Sport Information**

Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
HS 1403 Personal and Community Health	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
Mathematics (MATH 1023, MATH 1045 MATH 1053, or MATH 1525)	3	Biological Science Choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
HKR 1113 Methods of Teaching Individual/Dual Activities	3	HKR 1123 Methods of Teaching Team Activities	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	HS 2413 First Aid and Safety /CPR	3
Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403 or THEA 2003)	3	Physical Science/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, or PHYS 2203/2201)	4
MCOM Intro to Mass Communication	3	Social Science choice (ECON 2103 or FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, or SOC 1003 or 2003)	3
MCOM 2123 Graphic Software Applications	3	HS 2043 Human Anatomy and Physiology	3
EDUC 2023 K-12 Education Technology	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>13</b>
Fall - Semester 5		Spring - Semester 6	
SM 2003 Introduction to Sport Management	3	SM 2013 Critical Issues in Sport Management	3
SM 3313 Sports Marketing	3	MCOM 4003 Media Law & Ethics	3
HS 3243 Kinesiology & Biomechanics	3	ESCI 3003 Motor Learning and Development	3
HKR 3653 Leadership in HKR	3	SM 3623 Psychology of Sports	3
MM 2003 Reporting and Writing for Mass Media	3	HKR 4343 History and Philosophy of HKR	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
HKR 4383 Workshop in HKR & Sports	3	HKR 4323 Organization and Administration of HKR	3
SM 4003 Facility and Event Management	3	SM 4676 Sport Management Internship II	6
SM 4013 Legal and Ethical Issues in Sport	3	SM 4686 Sport Management Internship II	6
SM 3103 Sport Information Management	3		
REC 4652 Recreational Practicum I	2		
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>15</b>

Total hours required for major – 121

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*HKR Theory and Fundamentals options – Students can only take one 2000 level course to meet core curriculum hours.

## **College of Liberal and Performing Arts**

Dr. Helmut Langerbein, Dean

The College of Liberal and Performing Arts provides programs that promote behavioral, linguistic, and artistic understanding; critical thinking; and accurate expression, enjoyment, and skillful performance of the arts. The college 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, music and theatre, and then increasing their skills for fulfilling civic and social responsibilities in a democratic society. The college offers degree programs that provide students with the knowledge and experience in fields of specialization that 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, communications design, interactive media and marketing, or game, animation and simulation), criminal justice, cyber criminology, history, mass communication (mass media), modern languages (comparative literature, English, English Education, English – Writing, foreign language, Spanish, Spanish education), music, music education, musical theatre, political science, psychology, social work, and theatre. The college offers a pre-law program and professional education programs in English, foreign language, and music. In addition, the college offers minors in art history, Africana studies, Asian studies, criminal justice, English, French, game design, geography, history, juvenile justice, mass media, music, philosophy and religious studies, political science, psychology, sociology, social work, Spanish, teaching English as a second language, theatre, and writing. The college is served by the following departments: Art and Design; Behavioral and Social Sciences; History, Political Science, and Geography; Modern Languages; Performing Arts and Mass Communication.

### **Mission Statement**

The College of Liberal Performing Arts seeks to foster students' ability to think critically, become tolerant of diversity, adhere to ethical values, communicate effectively, and become responsible citizens. In addition, the college seeks to inculcate in each student an appreciation of literature, music, theatre, and art, and to provide the campus and region with opportunities for participation in these disciplines.

### **Associate of Arts Degree (AA) - 60 hours**

The associate of arts degree in university studies is offered to students who complete a minimum of 60 semester hours, which must include general education requirements. Students must have a 2.00 or higher grade point average, meet residency requirements, and apply for the degree. (see residency requirements)

### **Bachelor of University Studies**

The bachelor of university studies degree offers to students an alternative to other degrees, which focus on a single area, or prepares one for a profession. It may also serve the needs of those who return to the University in order to better their professional opportunities.

In addition to the required 35 general education hours, the student chooses three areas of concentration as listed below. The primary area of concentration requires 30 hours, at least 15 of that must be junior/senior resident hours. The secondary two areas require 12 hours each, with at least nine resident hours within the two areas. To fulfill the expected

120 hours, there are ample opportunities to take electives from any area of interest. Completion of degree requires 40 junior/senior hours.

#### **Areas of Concentration - Bachelor of University Studies**

##### **Humanities**

Art and Design, English, Foreign Language, Mass Communication, Music, Philosophy, Speech, Theatre, and Humanities

##### **Social Sciences**

Anthropology, Criminal Justice, Geography, History, Military Science, Political Science, Psychology, Public Health\*, Sociology, and Social Work

##### **Natural Sciences**

Agriculture, Animal Science, Biology, Chemistry, Computer Science, Engineering, Geology, Industrial Technology, Mathematics, Physical Science/Physics, Plant Science, and Nursing

PH 3103 and PH 4003

##### **Business**

Accounting, Agricultural Economics, Economics, Finance, General Business, Information Systems, Management, Marketing, and Supply Chain Management

##### **Education\*\***

Agricultural Education, Education, Elementary Education, Middle School Education, Secondary Education, Special Education, Exercise Science, Health, Kinesiology and Recreation, Health Science, and Sport Management

\*The following courses: PH 2003, PH 3043, PH 3063, PH 3143, PH 4023, and PH 4123

\*\*AGED 3003, AGED 4013, AGED 4023, E ED 3073, E ED 4343, MATH 2053, MATH 2063, MATH 3053, MATH 4293, MATH 4393, MATH 4601-3, and PHSC 3003 cannot be used in concentration areas other than Education.

EDUC/PSYC 3013 can be used for Education or Social Sciences (but not both).

PHED courses may not be used.

##### **Other requirements:**

1. The student must complete a total of 120 hours, with 40 upper-division hours.
2. Three (3) hours foreign language. This requirement will not be met by completing a foreign language course to fulfill the fine arts/foreign language General Education requirement. (ASL 1002/1012 American Sign Language may not be used.)
3. USTD 3003 Information Literacy
4. Degree plan must be filed in registrar's office with application no later than third class day in the prior semester before scheduled graduation.
5. No courses may be double counted.
6. Students must maintain a 2.00 grade point average.

##### **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 website under Academics and Assessment.



## **Department of Art and Design**

Steven Ochs, MFA, Chair

The art and design major at Southern Arkansas University works toward 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.

Career opportunities lie in: education, product design, package design, web design, studio, public art, gallery curation, museum curation, merchandise design, advertising design, corporate identity design, and print publication design as Art Director, Creative Director or production artist. Careers are possible in multimedia design, motion design, titles animation, animation creation, and many other promising digital design forms for movie and new media. There is also training for graphic novel illustration, children's book illustration, and book design,

Degrees conferred are Bachelor of Fine Arts (BFA) degrees with concentrations in studio art, communication design, or game, animation and simulation.

The Department of Art and Design maintains an active art gallery with approximately 1600 square feet of exhibition space. Works of national and international reputation exhibit regularly along with faculty and student works and cultural artifacts.

### **Emphasis in Studio Art (BFA)**

120 hours

Students will 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.

#### **University Requirement - 2 hours**

GSTD 1002 Freshman Seminar

**General Education - 35 hours** (ART 2013 Art Appreciation cannot fulfill the humanities requirement.)

#### **Studio Courses – 77 hours**

ART	1013	Drawing I
ART	1023	Three-Dimensional Design
ART	1043	Two-Dimensional Design
ART	1113	Drawing II
ART	2023	Printmaking I
ART	2063	Ceramics I
ART	2103	Painting I
ART	2123	Graphic Software Applications
ART	2133	Basic Digital Photography
ART	2143	Art History I
ART	3033	Printmaking II
ART	3063	Ceramics II
ART	3123	Art History II
ART	3233	Painting II
ART	3363	Advanced Digital Photography
ART	3543	Figure Drawing
ART	4003	Sculpture
ART	4013	Special Topics in Art I

ART	4023	Advanced Art Studio I
ART	4033	History of Modern Art
<b>or</b>		
ART	4063	Art History Seminar I
ART	4113	Special Topics in Art II
ART	4123	Advanced Art Studio II
ART	4132	Senior Capstone Review

Upper level art electives - 9 hours

**Other requirements – 6 hours**

SPCH	1113	Introduction to Public Speaking
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3 hours selected from:

FIN	2003	Personal Finance
MKTG	3033	Principles of Marketing
PHIL	2403	Introduction to Philosophy and Ethics
PSYC	2003	General Psychology
SOC	2003	Introduction to Sociology

Upper level history elective

A minor area is not required but is recommended.

**Emphasis in Communications Design (BFA)**

120 hours

Students 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.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 35 hours** (ART 2013 Art Appreciation cannot fulfill the humanities requirement.)

**Communications Design Courses - 77 hours**

ART	1013	Drawing I
ART	1043	Two-Dimensional Design
ART	1113	Drawing II
ART	2023	Printmaking I
ART	2043	Layout and Production
ART	2103	Painting I
ART	2123	Graphic Software Applications
ART	2133	Basic Digital Photography
ART	2143	Art History I
ART	2163	Introduction to Typography
ART	3083	Advanced Typography
ART	3123	Art History II
ART	3223	Illustration
ART	3333	Advanced Communications Design
ART	3353	Multimedia and Web Design I
ART	4033	History of Modern Art

ART	4053	Package Design
ART	4132	Senior Capstone Review
ART	4353	Multimedia and Web Design II

Upper level art electives - 9 hours

Select 3 hours from:

ART	1023	Three-Dimensional Design
ART	2063	Ceramics I

Select 3 hours from:

ART	4013	Special Topics in Art I
ART	4113	Special Topics in Art II

Select 3 hours from:

ART	4023	Advanced Art Studio I
ART	4123	Advanced Art Studio II

Select 3 hours from:

ART	2003	Introduction to Communication Design
MCOM	2503	Visual Communication

**Other requirements – 6 hours**

SPCH	1113	Introduction to Public Speaking
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Select 3 hours from:

FIN	2003	Personal Finance
HUM	2003	Film Appreciation
IS	2053	Business Information Systems
MKTG	3033	Principles of Marketing
PHIL	2403	Introduction to Philosophy and Ethics
PSYC	2003	General Psychology
SOC	2003	Introduction to Sociology

Upper level history elective

A minor area is not required, but is recommended.

**Emphasis in Game, Animation and Simulation (BFA)**

121 hours

Courses prepare students for the professional practice in game, animation and simulation design by applying technical, and theoretical skills to solve problems using open source and other software applications. Upon completion, students will be able to critically analyze, develop, and produce engaging mass media projects associated with a variety of entertainment, industrial, commercial, and educational fields.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 32 hours (3 hours of humanities are included in the major\*)**

ART 2013 Art Appreciation cannot fulfill the humanities requirement.

**Core Curriculum – 87 hours**

ART	1013	Drawing I
ART	1023	Three-Dimensional Design
ART	1043	Two-Dimensional Design
ART	1103	Introduction to Game Development
ART	2093	Introduction to Playprogramming

ART	2123	Graphic Software Applications
ART	2133	Basic Digital Photography
ART	2143	Art History I
ART	2183	Game Design Management
ART	2193	Introduction to 3D Modeling Tools
ART	3053	Animation I
ART	3093	Physics of Animation
ART	3123	Art History II
ART	3133	3D Character Design and Sculpture
ART	3143	3D Character Rigging
ART	3153	Simulation Development I
ART	4132	Senior Capstone Review
ART	4153	Animation II
ART	4173	Simulation Development II
ART	4193	Game Development Senior Project
CSCI	2103/2101	Computer Science I/Lab
CSCI	2133	Game Development

Select 3 hours from the following:

ART	1033	Concept Art
ART	1113	Drawing II

Select 3 hours from the following:

ART	3223	Illustration
ART	3543	Figure Drawing

Select 3 hours from the following:

ART	4033	History of Modern Art
ART	4063	Art History Seminar I
ART	4073	Art History Seminar II

Select 3 hours from the following:

ART	4013	Special Topics in Art I
ART	4023	Advanced Art Studio I
ART	4113	Special Topics in Art II
ART	4123	Advanced Art Studio II
ART	4163	Advanced Level Visual Design

Select 3 hours from the following:

CSCI	3043	Game Studio Workshop
CSCI	3913	Virtual Reality Workshop

Select 6 hours from the following:

ART	3353	Multimedia and Web Design I
ART	3363	Advanced Digital Photography
ART	4353	Multimedia and Web Design II
CSCI	2113/2111	Computer Science II/Lab
DC	2333	Fundamentals of Digital Cinema
DC	3333	Intermediate Digital Cinema
ENGL	4043	World Creation and Design

A minor area is not required but is recommended.

**Emphasis in Interactive Media and Marketing (BFA)**

120 hours

Based on the current trends in the job market of communication and marketing, this program brings together a cross-disciplinary focus of Communication Design, Marketing, and Digital Media. The skills and knowledge from these related fields will produce graduates conversant in the language and concepts of business and equipped with the skills necessary to design in a variety of communications platforms, including today's online interactive world.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 35 hours**

THEA 2003, MUS 2013, or HUM 2003 must be taken to fulfill the humanities requirement. FIN 2003 must be taken to fulfill the social science requirement.

**Core Curriculum – 44 hours**

ART	1013	Drawing I
ART	1043	Two-Dimensional Design
ART	2003	Introduction to Communication Design
ART/MCOM	2123	Graphic Software Applications
ART/MCOM	2133	Basic Digital Photography
ART	2143	Art History I
ART	2163	Introduction to Typography
ART	3333	Advanced Communications Design
ART	3353	Multimedia and Web Design I
ART	4132	Senior Capstone Review

Select 3 hours from the following:

ART	1033	Concept Art
ART	1113	Drawing II

Select 3 hours from the following:

ART	2043	Layout and Production
ART	3053	Animation I

Select 3 hours from the following:

ART	3123	Art History II
ART	4033	History of Modern Art

Select 6 hours from the following:

ART	3083	Advanced Typography
ART	3223	Illustration
ART/MCOM	3363	Advanced Digital Photography
ART	4053	Package Design
ART	4353	Multimedia and Web Design II

**Mass Communication Courses – 15 hours**

DC	2333	Fundamentals of Digital Cinema
MCOM	1003	Introduction to Mass Communication
MM	2003	Reporting and Writing for the Mass Media

Select 6 upper level hours from DC, MCOM, or MM.

**Marketing Courses – 18 hours**

MKTG	3033	Principles of Marketing
MKTG	3413	Social Media for Business
MKTG	4053	Integrated Marketing Communications

Select 9 hours from the following:

MGMT	4023	Entrepreneurship
MKTG	3063	Consumer Behavior
MKTG	3103	Selling and Sales Management
MKTG	4043	Retailing

**Other requirements – 6 hours**

SPCH	1113	Introduction to Public Speaking
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3 hours of foreign language

**Emphasis in Pre-Art Therapy (BFA)**

120 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 35 hours** (ART 2013 Art Appreciation cannot fulfill the humanities requirement.)

**Art – 41 hours**

ART	1013	Drawing I
ART	1023	Three-Dimensional Design
ART	1043	Two-Dimensional Design
ART	2023	Printmaking I
ART	2063	Ceramics I
ART	2103	Painting I
ART	2133	Basic Digital Photography
ART	4033	History of Modern Art

8 hours of ART electives

Select 3 hours from the following:

ART	1033	Concept Art
ART	1113	Drawing II

Select 3 hours from the following:

ART	2143	Art History I
ART	3123	Art History II

Select 3 hours from the following:

ART	4023	Advanced Art Studio I
ART	4123	Advanced Art Studio II

**Psychology – 33 hours**

PSYC	2003	General Psychology
PSYC	3013	Educational Psychology
PSYC	3093	Physiological and Comparative Psychology
PSYC	3223	Developmental Psychology
PSYC	4023	Industrial and Organizational Psychology
PSYC	4033	Abnormal Psychology
PSYC	4043	History and Systems of Psychology
PSYC	4053	Theories of Personality
PSYC	4063	Social Psychology
PSYC	4133	Introduction to Counseling Theories

Select 3 hours from the following:

PSYC	3123	Child Psychology
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PSYC	4163	Child Psychopathology
<b>Art Therapy – 9 hours</b>		
ART	2203	Introduction to Art Therapy
ART	3163	Processes and Materials of Art Psychotherapy
ART	4213	Art Therapy Senior Seminar

**Certificate in Web Design/UX/UI**  
15-18 hours

This certificate is designed to provide working professionals and current students with the knowledge and awareness of user-experience and user-interface concepts in order to create new or maintain existing websites. It can be custom-tailored depending on prior experience (subject to portfolio review), student goals, and employer needs, but generally students are expected to take the following courses:

**Core Courses – 15 hours**

ART	2003	Introduction to Communication Design
ART/MCOM	2123	Graphic Software Applications
ART	3353	Multimedia and Web Design I

Select 3 hours from the following:

ART	4353	Multimedia and Web Design II
IS	3003	Website Development for Business and Commerce

Select 3 hours from the following:

MKTG	3033	Principles of Marketing
MKTG	3413	Social Media for Business

**Elective – 3 hours**

Select 3 hours from the following:

ART	2133	Basic Digital Photography
CSCI	2103/2101	Computer Science I/Lab
MKTG	3063	Consumer Behavior (Prerequisite: MKTG 3033)
MKTG	3103	Selling and Sales Management (Prerequisite: MKTG 3033)

**Art and Design Minors**

**Minor in Art History - 18 hours**

ART	2143	Art History I
ART	3123	Art History II
ART	4033	History of Modern Art

3-6 hours selected from the following:

ART	4063	Art History Seminar I
ART	4073	Art History Seminar II

An additional 3-6 hours will be chosen from the following:

HIST	3053	The Middle East
HIST	3123	Russia and the Soviet Union
HIST	4083	History of Arkansas
HIST	4103	American Social History Since 1900
HIST	4213	American Social History Before 1900

HIST	4313	Europe Since 1914
PSCI	3113	Western Thought
PSCI	3213	Eastern Thought
SOC	3043	Approaches to Archaeology
SOC	3143	Anthropology: The North American Indian

**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	Graphic Software Applications

3 hours selected from the following:

ART	2143	Art History I
ART	3123	Art History II
ART	4033	History of Modern Art

**Minor in Communications Design - 15 hours**

ART	1013	Drawing I
ART	2003	Introduction to Communication Design
ART	2163	Introduction to Typography

3 hours selected from the following:

ART	1043	Two-Dimensional Design
ART/MCOM	2133/2133	Basic Digital Photography

3 hours selected from the following:

ART	2143	Art History I
ART	3123	Art History II
ART	4033	History of Modern Art

**Minor in Digital Photography and Film - 18 hours**

Regardless of your chosen career path, proficiency with multi-media tools are an asset in an era of social media and global communication. Students will be required to have a DSLR camera with HD video. This camera will be used in most classes with this minor. Open to all majors.

ART	2133	Basic Digital Photography
ART/MCOM	2123	Graphic Software Applications
ART	3363	Advanced Digital Photography
MPRO	2333	Fundamentals of Digital Cinema
MPRO	3333	Intermediate Digital Cinema

3 hours selected from the following:

ART	4023	Advanced Art Studio I
ART	4123	Advanced Art Studio II

**Minor in Game Design - 21 hours**

ART	1102	Introduction to Game Development
ART	2183	Game Design Management
ENGL	3003	Advanced Professional Writing

3 hours selected from the following:

ART	2093	Introduction to Playprogramming
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CSCI	2133	Game Development
<u>3 hours selected from the following:</u>		
CSCI	3043	Game Studio Workshop
CSCI	3913	Virtual Reality Workshop
<u>Choose one specialty (6 hours):</u>		
<i>Designer/Producer</i>		
SPCH	1113	Introduction to Public Speaking
MGMT	3023	Organizational Theory and Behavior
<i>Game Systems Designer</i>		
ECON	2103	Principles of Microeconomics
<u>3 hours selected from the following:</u>		
GBUS	2013	Quantitative Analysis I
MATH	3043	Applied Probability and Statistics I
<i>Designer/Writer</i>		
ENGL	4043	World Creation and Design
THEA	3403	Playwriting

### **Teaching Art in the Schools**

Those students who plan to teach art in the public schools may enroll into the Master of Arts in Teaching (MAT) Program after earning their BFA degree in Art. The two-year program is comprised of 30 hours of graduate coursework, followed by a year of teaching as a fully employed teacher of record in a public school. The online classes make this a convenient way to achieve the license for teaching art at any grade (P-12).

### **Educator Preparation Provider (EPP) Conceptual Framework: *Attaining Educational Achievement through Collaboration and Reflection***

The mission of the education Educator Preparation Program is to prepare candidates who attain educational achievement through collaboration and reflection. To that end the education preparation program (including content departments), collaborates with K-12 schools, Educational Service Cooperatives, Educational Renewal Zones and other local, state, and national organizations to inculcate high standards of educational achievement for all students. The program engages pre-service and in-service teachers, administrators, counselors and other educators to excel in teaching, leadership, scholarship and service.

The EPP holds the established dispositions, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

The EPP holds the established competencies, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

Graduation with an education minor requires admission to the Teacher Education Program.

## Department of Behavioral and Social Sciences

Deborah Wilson, PhD, Chair

The mission of the Department of Behavioral and Social Sciences is to contribute to the University's mission of promoting students' intellectual growth, individual enrichment, skill development, and career preparations in the areas of criminal justice, social work, and psychology.

### 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, courts, and private investigations.

### Major in Criminal Justice (BS)

120 hours

#### University Requirement - 2 hours

GSTD 1002 Freshman Seminar

#### General Education - 32 hours (3 hours social science included in the major)

#### Criminal Justice - 43 hours

CRJU	2003	Introduction to Criminal Justice
CRJU	3003	Cultural Diversity
CRJU	3023	Criminal Evidence and Procedures
CRJU	3043	Criminal Law
CRJU	3053	Juvenile Justice
CRJU	3073	Corrections
CRJU	3103	Ethics in Criminal Justice
CRJU	3153	Research Methods
CRJU	3183	Statistics
CRJU	4053	Criminology

13 hours criminal justice electives

#### Other requirements - 18 hours

PSYC 2003 General Psychology  
SOC 2003 Introduction to Sociology

3 hours of natural science or mathematics

#### Select 3 hours from the following:

PSCI	2003	American Government: National
PSCI	2013	State and Local Government: Arkansas and the United States

#### Select 3 hours from the following:

ENGL	3003	Advanced Professional Writing
SPCH	1113	Introduction to Public Speaking

#### Select 3 hours from the following:

CRJU	3133	Fraud Examination and Prevention
ECON	2103	Principles of Microeconomics
ECON	2203	Principles of Macroeconomics
FIN	2003	Personal Finance
IS	2053	Business Information System

IS	2103	Object Oriented Programming
IS	2203	Introduction to Networking I
IS	3003	Website Development Business and Commerce
PSYC	3303	Cognitive Science

Completion of a minor area approved by the advisor.

Completion of remaining hours to total 120 hours. Depending upon the chosen minor, student may need additional upper-level hours to complete the required 40 junior/senior hours.

**Minor in Criminal Justice - 18 hours**

CRJU	2003	Introduction to Criminal Justice
CRJU	3043	Criminal Law
CRJU	3103	Ethics in Criminal Justice

9 hours of criminal justice electives

**Minor in Juvenile Justice - 18 hours**

CRJU	3053	Juvenile Justice
CRJU	3113	Juvenile Law
CRJU	3123	Juvenile Rehabilitation and Corrections

Select 3 hours from the following:

CRJU	3103	Ethics in Criminal Justice
CRJU	4013	Legal and Ethical Issues in Juvenile Justice

Select 6 hours from the following:

CRJU	3063	Substance Abuse
CRJU	3083	Community Based Corrections
CRJU	3143	Courts
CRJU	4003	Domestic Violence
CRJU	4043	Gang Behavior
CRJU	4064	Field Practicum

**Cyber Criminology**

The bachelor of science in cyber criminology will produce highly skilled graduates who possess a holistic understanding of cybercrimes. This program not only emphasizes using computer science skills to investigate and study crime, but underscores theoretical human behaviors and victimization patterns that relate to cybercrimes.

Graduates with this degree will be trained for positions found in government agencies including law enforcement agencies, private protective services, financial institutions, health corporations, and businesses. Given the universal use of digital data storage, agencies, businesses, and individuals are vulnerable to fraudulent activities. Careers in cyber criminology include, but are not limited to, cybercrime investigator, information security analyst, digital forensic analyst, and cybercrime security team member.

**Major in Cyber Criminology (BS)**

120 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 35 hours** (PSCI 2003 American Government: National is required.)

**Criminal Justice - 33 hours**

CRJU	2013	Introduction to Cyber Criminology
CRJU	3023	Criminal Evidence and Procedures
CRJU	3043	Criminal Law
CRJU	3103	Ethics in Criminal Justice
CRJU	3153	Research Methods
CRJU	3183	Statistics
CRJU	4053	Criminology
CRJU	4093/4193	Advanced Topics
CRJU	4143	Victimology

6 hours criminal justice electives

**Computer Science - 41 hours**

CSCI	2103/2101	Computer Science I/Lab
CSCI	2113/2111	Computer Science II/Lab
CSCI	3103	Data Structures and Algorithms
CSCI	3133	Advanced UNIX/LINUX
CSCI	3143	Network Security
CSCI	3153	Mobile Application Development
CSCI	3203	Assembler and Machine Organization
CSCI	3213	Computer Networking
CSCI	3703	Computer Architecture
CSCI	4133	Operating Systems
CSCI	4213	Privacy Engineering
CSCI	4223	Cyber Forensics
CSCI	4333	Cyber Defense

**Other requirements - 9 hours**

CRJU/CSCI	4903	Senior Integrated Project I
CRJU/CSCI	4913	Senior Integrated Project II
SPCH	1113	Introduction to Public Speaking

**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, 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 (BS)**

120 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education** – 32 hours (3 hours of social science are included in the major)

**Psychology** - 42 hours

PSYC	2003	General Psychology
PSYC	3093	Physiological and Comparative Psychology
PSYC	3153	Research Methods
PSYC	3183	Statistics
PSYC	3223	Developmental Psychology
PSYC	4013	Psychological Measurement
PSYC	4033	Abnormal Psychology
PSYC	4043	History and Systems of Psychology
PSYC	4053	Theories of Personality
PSYC	4073	Learning
PSYC	4093	Career Planning in Psychology

9 hours of upper level psychology electives

**Other Requirements** - 13 hours

BIOL	3903/3901	Human Genetics/Lab
SOC	2003	Introduction to Sociology
SPCH	1113	Introduction to Public Speaking

3 hours of natural science or mathematics

Completion of a minor area approved by the advisor.

Completion of remaining hours to total 120 hours. Depending upon the chosen minor, student may need additional upper level hours to complete the required 40 junior/senior hours.

**Minor in Psychology** - 18 hours

PSYC	2003	General Psychology
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15 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 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.

**Social Work Program Mission**

The mission of the Social Work Program at Southern Arkansas University is to graduate students from diverse backgrounds who will be well prepared to launch their careers as competent generalist practitioners, as well as to graduate students who continue their education at the graduate level. Through our educational processes, we will promote and provide continued professional development for current service providers and instill in students the need for lifelong learning. The program is committed to incorporating within

students a professional identity. Integrated within this identity are professional values and ethics, and an appreciation for social work's historical task of advancing social and economic justice while empowering populations at risk. The Social Work Program will endeavor to increase the number of professional social workers in regional social service delivery systems. Graduates of the program, recognizing the strengths inherent in diversity and utilizing an understanding of human behavior in the social environment, social policy, research, and generalist practice, will effect positive change in peoples' environments, services, and political systems. The mission will be accomplished by the integration of social work knowledge, values, and skills.

#### **Criteria for Admission to the Social Work Program**

When applying to the Social Work Program, a student must have completed the following:

1. At least 30 hours of the general education requirements.
2. The Social Work Program application located on the SAU webpage under LPA/BSS.
3. An earned overall GPA of at least 2.5 and a Social Work GPA of at least 3.0.
4. Introduction to Social Work, Social Policy, Cultural Diversity, Human Behavior, and Social Environment I or II.

#### **Criteria for Admission to the Social Work Field Practicum**

When applying to the Social Work Field Practicum, a student must have completed the following:

1. Student must have been accepted into the Social Work Program.
2. Social Work GPA of at least 3.2.
3. Complete the Social Work Field application (contact Social Work Field Director).

#### **Major in Social Work (BSW)**

120 hours

##### **University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 32 hours** (3 hours of humanities included in the major, PSYC 2003 General Psychology is required.)

##### **Social Work - 53 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	3133	Ethics
SWK	3153	Research Methods
SWK	3183	Statistics
SWK	4121	Social Work Field Practicum Seminar I
SWK	4123	Social Work Practice II
SWK	4141	Senior Seminar
SWK	4221	Social Work Field Practicum Seminar II
SWK	4223	Social Work Practice III
SWK	4844	Social Work Field Practicum I

SWK 4854 Social Work Field Practicum II  
9 hours of social work electives

**Other Requirements – 20-21 hours**

PSCI 2003 American Government: National  
SOC 2003 Introduction to Sociology  
SOC 3013 Social Problems  
SPCH 1113 Introduction to Public Speaking  
3 hours of information systems or computer science  
3 hours foreign language or 2 hours of American Sign Language\*

Select 3 hours from the following:

PSYC 3223 Developmental Psychology  
PSYC 4033 Abnormal Psychology

**International elective – 3 hours**

Select 3 hours from the following:

GEOG 2003 Introduction to Geography  
PSCI 3003 International Relations  
PSCI 3193 Political Geography  
PSCI 4203 Comparative Politics

Three hours (3) foreign language\*

**Cultural Diversity Electives – 5-6 hours**

Three hours (3) foreign language or 2 hours of American Sign Language\*

Select 3 hours from the following:

HIST 4093 African American History  
HIST/SOC 3143 The North American Indian  
MCUL 4993 Hispanic Life and Culture  
PSCI 4043 African American Politics

**Electives – 3-5 hours**

Three to five elective hours to complete 120 hours.

\*Foreign language and American Sign Language courses cannot be double counted.

A minor is not required.

**Minor in Social Work - 18 hours**

SWK 2043 Introduction to Social Work  
15 hours of social work electives, none of which can be practice or practicum courses

**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 from anthropology courses, and a minimum of 9 elective hours must be at the junior-senior level.)

## **Department of History, Political Science, and Geography**

Dr. Paul Babbitt, Chair

### **History**

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, administrators, 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, museums or other public or private agencies.

### **Major in History (BA)**

120 hours

#### **University Requirement - 2 hours**

GSTD                    1002                    Freshman Seminar

**General Education - 26 hours** (3 hours foreign language and 6 hours of history included in major requirements)

#### **History - 36 hours**

HIST	1003	World History I
HIST	1013	World History II
HIST	2013	U.S. History I
HIST	2023	U.S. History II
HIST	3133	Research Methods

#### **Electives – 21 hours**

6 upper level U.S. history  
6 upper level non-U.S. history  
9 upper level history

#### **Other requirements – 15 hours**

SPCH                    1113                    Introduction to Public Speaking  
3 hours of electives in geography

Foreign language (6 hours) which may be fulfilled by freshman-level courses in the same language or a satisfactory score on a language proficiency exam. Three hours of foreign language may be double counted to meet the general education requirement.

In consultation with a faculty advisor, students will complete three semester hours in an upper level non-creative writing course or completion of HIST 4353 Senior Paper Research.

Students may choose to complete a minor area in consultation with their advisor.

Completion of remaining hours to total 120 hours. Depending upon the chosen minor, student may need additional upper-level hours to complete the required 40 junior/senior hours.

#### **Minor in History - 18 hours**

HIST	1003	World History I
HIST	1013	World History II
HIST	2013	U.S. History I
HIST	2023	U.S. History II

3 hours of upper-level U.S. History  
3 hours of upper-level non-U.S. History



**Major in History:  
Social Studies Education Option (BA)**  
120 hours)

**Educator Preparation Provider (EPP) Conceptual Framework: *Attaining Educational Achievement through Collaboration and Reflection***

The mission of the education Educator Preparation Program is to prepare candidates who attain educational achievement through collaboration and reflection. To that end the education preparation program (including content departments), collaborates with K-12 schools, Educational Service Cooperatives, Educational Renewal Zones and other local, state, and national organizations to inculcate high standards of educational achievement for all students. The program engages pre-service and in-service teachers, administrators, counselors and other educators to excel in teaching, leadership, scholarship and service.

The EPP holds the established dispositions, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

The EPP holds the established competencies, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

Graduation with an education minor requires admission to the Teacher Education Program.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 26 hours (9 hours of social science included in the major)**

**History - 27 hours**

HIST	1003	World History I
HIST	1013	World History II
HIST	2013	U.S. History I
HIST	2023	U.S. History II
HIST	3133	Research Methods
HIST	4083	Arkansas History

3 hours of upper-level U.S. History

6 hours of upper-level non-U.S. History

**Social Science – 18 hours**

ECON	2103	Principles of Microeconomics
GEOG	2003	Introduction to Geography
PSCI	2003	American Government: National
PSCI	2013	State and Local Government: Arkansas and the U.S.

3 hours of upper-level political science or geography

**Select 3 hours from the following:**

SOC	1003	Introduction to Cultural Anthropology
SOC	2003	Introduction to Sociology

**Minor in Education – 21 hours**

EDUC	2000	Educational Field Experience, Level I Lab
EDUC	2003	Introduction to Education
EDUC	3013	Educational Psychology

EDUC	4043	Assessment, Evaluation and Measurement
EDUC	4273	Classroom and Group Management
S ED	3313	Methods and Materials in Secondary and Middle School Social Studies
S ED	4023	Supervised Field Experience Level II
SPED	4073	Survey of Exceptional Individuals

**Student Teaching Semester – 12 hours**

EDUC	4003	Student Teaching Seminar
S ED	4006	Student Teaching in the Secondary School I
S ED	4103	Student Teaching in the Secondary School II

**Other requirements – 12 hours**

PSYC	2003	General Psychology
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6 hours of foreign language\*

Select 3 hours from the following:

HIST	4353	Senior Paper Research
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3 hours upper level writing course\*\*

\*Foreign language may be fulfilled by freshman-level courses or higher in the same language or a satisfactory score on a language proficiency exam.

\*\*In consultation with a faculty advisor, students will complete three semester hours in an upper level non-creative writing course or completion of HIST 4353 Senior Paper Research.

**Electives – 2 hours**

**Minor in History - 18 hours**

HIST	1003	World History I
HIST	1013	World History II
HIST	2013	U.S. History I
HIST	2023	U.S. History II

3 hours of upper-level U.S. History

3 hours of upper-level 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, writers, fundraisers, administrators 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 (BA)**

120 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 35 hours** (Must include 3 hours of U.S. History) PSCI 2003 American Government: National cannot fulfill the social science requirement.

**Political Science - 36 hours**

PSCI	2003	American Government: National
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PSCI 2013 State and Local Government: Arkansas and the U.S.

PSCI 3133 Research Methods  
18 hours of upper level political science electives

3 hours selected from the following:

PSCI 3113 Western Thought  
PSCI 3213 Eastern Thought

Select 3 hours from the following:

PSCI 3003 International Relations  
PSCI 3093 American Foreign Policy  
PSCI 3193 Political Geography  
PSCI 4013 International Law  
PSCI 4053 Comparative Public Policy  
PSCI 4083 Global Issues  
PSCI 4203 Comparative Politics

Select 3 hours from the following:

PSCI 3033 American Political Parties  
PSCI 3053 Introduction to Public Administration  
PSCI 3063 Administrative Law  
PSCI 3123 Introduction to the Law  
PSCI 4033 Legislative Processes  
PSCI 4073 American Constitutional Law

**Other Requirements – 15 hours**

SPCH 1113 Introduction to Public Speaking  
3 hours of electives in geography

Foreign language (6 hours) which may be fulfilled by freshman-level courses in the same language or a satisfactory score on a language proficiency exam. Three hours of foreign language may be double counted to meet the general education requirement.

In consultation with a faculty advisor, students will complete 3 semesters in an upper-level non-creative writing course OR completion of PSCI 4353 Senior Paper Research.

Students may choose to complete a minor area in consultation with their advisor.

Completion of remaining hours to total 120 hours as approved by the advisor.

Depending upon the chosen minor, student may need additional upper-level hours to complete the required 40 junior/senior hours.

**Minor in Political Science - 18 hours**

PSCI 2003 American Government: National  
PSCI 2013 State and Local Government: Arkansas and the U.S.

9 hours of political science electives at the junior-senior level

3 hours selected from the following:

PSCI 3113 Western Thought  
PSCI 3213 Eastern Thought  
PSCI 3133 Research Methods

### **Political Science and Master of Public Administration 4+1 Program**

A 4+1 program is now offered for students interested in earning a Bachelor degree in Political Science and a Master of Public Administration degree. By the end of the fourth year, students should complete 120 credit hours (108 undergraduate + 12 graduate) and receive their BA degree. They should complete an additional 24 graduate hours in their fifth year (including summers). After the completion of 144 hours (108 undergraduate + 36 graduate) they will be conferred the MPA degree if all other requirements are satisfied. Please meet with Dr. Paul Babbitt during your sophomore year, if interested.

### **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, 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 2003 Introduction to Geography

15 hours of geography electives at the junior-senior level

### **Philosophy and Religious Studies**

Individuals who plan to continue their education at a seminary or other graduate program in philosophical or religious studies in order to find employment in this area, as well as individuals seeking a better understanding of these subjects, 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 Philosophy and Religious Studies - 18 hours**

Requirements - 6 hours

PHIL 2403 Introduction to Philosophy and Ethics

PHIL 2413 World Religions

#### Select 12 hours from the following:

GEOG 3033 Geography and World Religions

HIST 3053 Middle East

HIST/PSCI 3113 Western Thought

HIST/SOC 3143 The North American Indian

HIST/PSCI 3213 Eastern Thought

PHIL 3003 Death, Dying and World Religion

PHIL 3013 Philosophy of Religion

PHIL 4013 Women and Religion

### **Africana Studies**

This minor familiarizes students with the histories, thoughts, politics, literature, geography, socialization, economics, and cultures of Africans and African Americans. This knowledge is helpful for all students, but especially those who will work with culturally diverse communities or who seek further study.

#### **Minor in Africana Studies - 18 hours selected from the following:**

CRJU/SOC/SWK 3003 Cultural Diversity

ENGL 4613 African American Literature

HIST 3183 African History

HIST	4093	African American History
PSCI	4043	African American Politics
SOC	1003	Introduction to Cultural Anthropology
SPAN	4993	Contemporary Hispanic Life

### **Asian Studies**

This minor familiarizes students with the history, thoughts, politics, literature, geography, socialization, economics, and culture of Asia. This knowledge will be helpful for those seeking graduate study or those who may work in Asia.

#### **Minor in Asian Studies - 18 hours**

Language requirement - 6 hours

CHIN	1003	Mandarin Chinese I
CHIN	1013	Mandarin Chinese II

#### Select 12 hours from the following:

AST	4383/4393	Advanced Topics in Asian Studies
ENGL	3213	Topics in World Literature (with Asian focus)
ENGL	3223	East Asian Literature in Translation
GEOG	4013	Asian Geography
HIST	3053	Middle East
HIST/PSCI	3213	Eastern Thought
HIST/PSCI	3303	History and Politics of Modern China
HIST/PSCI	3313	History and Politics of Modern Japan
HUM	2003	Film Appreciation (with Asian focus)
MGMT	4313	International Studies and Field Experience (with Asian focus)

#### **Minor in Military Science and Leadership – 15-21 hours**

A minor in Military Science and Leadership is awarded to those candidates who qualify for enrollment in the Advanced Course and subsequent commissioning as an officer in the U.S. Army (National Guard).

Basic Course - 6 hours\*

MSCI	1001	Introduction to Leadership
MSCI	1101	Basic Leadership Principles
MSCI	2002	Applied Leadership
MSCI	2102	Army Doctrine and Team Development

Advanced Course – 12 hours

MSCI	3003	Training Management and the Warfighting Functions
MSCI	3103	Applied Leadership in Small Unit Operations
MSCI	4003	The Army Officer
MSCI	4103	Company Grade Leadership

Military History – 3 hours

#### Select 3 hours from the following:

HIST	4073	Civil War and Reconstruction
HIST	3023	American Military History

\*Note: The Advanced Course and Military History Course are the only requirements for students that have been credited for the Basic Course by attendance at Basic Training, thus requiring only a total of 15 hours.

**Pre-law Program**

Students who intend to study law can prepare themselves by fulfilling the requirements for the bachelor's degree with a major in any area and a minor in an appropriate field. Law schools do not prescribe a rigid pre-law curriculum. However, law schools require the completion of an undergraduate degree program and the ability to reason and write well. Many students choose to major in political science, history or criminal justice

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, pre-law students should include in their studies, insofar as their degree programs will permit, such courses as the following: American government, philosophy, introduction to law, principles of accounting, legal environment, business law, advanced composition, advanced literature, speech, advanced history, abnormal psychology, criminology, college algebra or college mathematics, logic, and advanced language. The advisor of pre-law students should be contacted for materials and statements of the policies of law schools.

## **Department of Modern Languages**

James Ulmer, PhD, Chair

The Department of Modern Languages offers programs leading to the Bachelor of Arts degree in modern languages with emphases in modern comparative literature, English, English education, English – Writing, foreign language, Spanish, and Spanish education. The department offers minors in English, Spanish, French, Teaching English as a Second Language, and writing.

### **English**

The program in English serves both non-specialists 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.

### **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 graduate 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.

Foreign language majors are encouraged to study abroad for at least one semester.

### **Placement Exam**

A student with any question concerning placement should consult with the chair of the Department of Modern 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.

### **Major in Modern Languages:**

#### **Comparative Literature (BA)**

120 hours

**University Requirement** - 2 hours

GSTD                      1002                      Freshman Seminar

**General Education** - 32 hours - ENGL 2213/2223 World Literature I/II are required in the major. Foreign language may be double counted.

**Literature/Foreign Language** – 46 hours

ENGL	2213	World Literature I
ENGL	2223	World Literature II

18 hours of English electives at the junior-senior level

Select 18 hours from the following:

ENGL	3213	Topics in World Literature
ENGL	3223	East Asian Literature in Translation
ENGL	3483	Modern World Literature
ENGL/FREN	4283	Survey of French Literature I
ENGL/FREN	4293	Survey of French Literature II
ENGL/FREN	4683	Introduction to Francophone Literature
ENGL/SPAN	3183	Spanish American Literature I
ENGL/SPAN	3193	Spanish American Literature II
ENGL/SPAN	4813	Spanish Literature I
ENGL/SPAN	4823	Spanish Literature II

Select 3 hours from the following:

FREN	3693	French Civilization
FREN	4903	Special Topics in French Studies
SPAN	4513	Spanish Civilization
SPAN	4623	Spanish-American Civilization
SPAN	4923	Special Topics: Spanish Studies
SPAN	4933	Special Topics: Spanish-American Studies
SPAN	4993	Contemporary Hispanic Life and Culture

Select 1 hour from the following:

ENGL	4701	Senior Project
FL	4701	Senior Project

**Other requirements – 15 hours**

SPCH	1113	Introduction to Public Speaking
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12 hours of foreign language (Six hours above the freshman level)

Completion of a minor area approved by the advisor.

Completion of remaining hours to total 120 hours.

**Major in Modern Languages:**

**English (BA)**

120 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 32 hours - ENGL 2213/2223 World Literature I/II are required in the major. Foreign language may be double counted.**

**English - 43 hours**

ENGL	2213	World Literature I
ENGL	2223	World Literature II
ENGL	3583	Shakespeare
ENGL	3623	American Literature I
ENGL	3633	American Literature II
ENGL	4623	British Literature I
ENGL	4633	British Literature II
ENGL	4701	Senior Project



12 hours of English electives at the junior-senior level

Select 3 hours from the following:

ENGL	3213	Topics in World Literature
ENGL	3483	Modern World Literature
ENGL	4683	Introduction to Francophone Literature

Select 3 hours from the following:

ENGL	3043	Comparative English Grammar
ENGL	3653	Introduction to English Language Studies

Select 3 hours from the following:

ENGL	3103	Advanced Composition
ENGL	3643	Literary Theory

**Other requirements – 15 hours**

SPCH	1113	Introduction to Public Speaking
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12 hours of foreign language (Six hours above the freshman level)

Completion of a minor area approved by the advisor.

Completion of remaining hours to total 120 hours.

**Major in Modern Languages:**

**English Education (BA)**

120 hours

**Educator Preparation Provider (EPP) Conceptual Framework: *Attaining Educational Achievement through Collaboration and Reflection***

The mission of the education Educator Preparation Program is to prepare candidates who attain educational achievement through collaboration and reflection. To that end the education preparation program (including content departments), collaborates with K-12 schools, Educational Service Cooperatives, Educational Renewal Zones and other local, state, and national organizations to inculcate high standards of educational achievement for all students. The program engages pre-service and in-service teachers, administrators, counselors and other educators to excel in teaching, leadership, scholarship and service.

The EPP holds the established competencies and dispositions, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

Graduation with an education minor requires admission to the Teacher Education Program.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 29 hours - ENGL 2213/2223 World Literature I/II are required in the major. Foreign language may be double counted.**

**English - 43 hours**

ENGL	2213	World Literature I
ENGL	2223	World 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	3653	Introduction to English Language Studies
ENGL	3683	Young Adult Literature
ENGL	4623	British Literature I
ENGL	4633	British Literature II
ENGL	4701	Senior Project

6 hours of English electives at the junior/senior level

Select 3 hours from the following:

ENGL	3213	Topics in World Literature
ENGL	3483	Modern World Literature
ENGL	4683	Introduction to Francophone Literature

**Other requirements – 12 hours**

12 hours of foreign language (Six hours above the freshman level)

**Minor in Education – 21 hours**

EDUC	2000	Educational Field Experience, Level I Lab
EDUC	2003	Introduction to Education
EDUC	3013	Educational Psychology
EDUC	4043	Assessment, Evaluation and Measurement
EDUC	4273	Classroom and Group Management
S ED	3013	Methods and Materials in Secondary and Middle School English and Speech
S ED	4023	Supervised Field Experience Level II
SPED	4073	Survey of Exceptional Individuals

**Student Teaching Semester – 12 hours**

EDUC	4003	Student Teaching Seminar
S ED	4006	Student Teaching in the Secondary School I
S ED	4103	Student Teaching in the Secondary School II

Completion of remaining hours to total 120 hours.

**Note:** In order to be certified, students who complete the BA in English with a minor in Education (Teaching Certification) must also pass the Praxis II exams.

**Major in Modern Languages:  
Emphasis in Writing (BA) -120 hours.)**

The BA in English-Writing is designed to promote expertise in writing within a number of different contexts and disciplines (including business writing, technical writing, rhetoric, and creative writing). By combining an emphasis on strong writing skills with a background in literary analysis, this option will prepare students for a number of careers where writing skills are at a premium, including law, public relations, advertising, publishing, editing, the creation of web content, sales, marketing, the ministry, and entrepreneurship.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 32 hours - ENGL 2213/2223 World Literature I/II are required in the major. Foreign language may be double counted.**

**English – 43 hours**

ENGL	2213	World Literature I
ENGL	2223	World Literature II
ENGL	4701	Senior Project

Select 18 hours of upper level ENGL courses.

Select 18 hours from the following:

ENGL	3003	Advanced Professional Writing
ENGL	3103	Advanced Composition
ENGL	3243	The Theory and Practice of Writing
ENGL	4043	World Creation and Design
ENGL	4503	Creative Writing Poetry
ENGL	4513	Creative Writing Fiction
ENGL	4523	Writing: Special Topics
ENGL	4533	Writing: Special Topics II
ENGL	4543	Creative Writing- Creative Nonfiction
ENGL	4793	English Internship

**Other requirements – 15 hours**

SPCH	1113	Introduction to Public Speaking
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12 hours of foreign language

Completion of minor area approved by the advisor.

**Electives** - Remaining hours to total 120.

**Major in Modern Languages:**

**Foreign Language (BA)**

120 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 35 hours**

**Spanish - 18 hours**

SPAN	2033	Intermediate Spanish I
SPAN	2043	Intermediate Spanish II

Select 3 hours from the following:

SPAN	3163	Composition and Conversation
SPAN	3173	Advanced Composition and Conversation

Select 3 hours from the following:

SPAN	3973	Hispanic Linguistics
SPAN	3993	Advanced Spanish Grammar

Select 3 hours from the following:

SPAN	4513	Spanish Civilization
SPAN	4623	Spanish-American Civilization

Select 3 hours from the following:

SPAN	3183	Spanish –American Literature I
SPAN	3193	Spanish –American Literature II
SPAN	4813	Spanish Literature I
SPAN	4823	Spanish Literature II

**French – 18 hours**

FREN	2033	Intermediate French I
FREN	2043	Intermediate French II

12 hours of upper level French

**Other requirements – 7 hours**

FL	4701	Senior Project
SPCH	1113	Introduction to Public Speaking

3 hours of additional upper level foreign language

Completion of a minor area approved by the advisor.

Completion of remaining hours to total 120 hours, including 40 upper division hours.

**Major in Modern Languages:  
Spanish (BA)**

120 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 35 hours**

**Spanish - 33 hours**

SPAN	2033	Intermediate Spanish I
SPAN	2043	Intermediate Spanish II

12 hours of upper level electives in Spanish

Select 3 hours from the following:

SPAN	3163	Composition and Conversation
SPAN	3173	Advanced Composition and Conversation

Select 3 hours from the following:

SPAN	3183	Spanish American Literature I
SPAN	3193	Spanish American Literature II

Select 3 hours from the following:

SPAN	3973	Hispanic Linguistics
SPAN	3993	Advanced Spanish Grammar

Select 3 hours from the following:

SPAN	4513	Spanish Civilization
SPAN	4623	Spanish-American Civilization

Select 3 hours from the following:

SPAN	4813	Spanish Literature I
SPAN	4823	Spanish Literature II

**Other requirements – 4 hours**

SPCH	1113	Introduction to Public Speaking
FL	4701	Senior Project

Completion of a minor area approved by the advisor.

Completion of remaining hours to total 120 hours, including 40 upper division hours.

**BA in Modern Language:  
Spanish Education (BA)**

120 hours

**Educator Preparation Provider (EPP) Conceptual Framework: *Attaining Educational Achievement through Collaboration and Reflection***

The mission of the education Educator Preparation Program is to prepare candidates who attain educational achievement through collaboration and reflection. To that end the education preparation program (including content departments), collaborates with K-12 schools, Educational Service Cooperatives, Educational Renewal Zones and other local, state, and national organizations to inculcate high standards of educational achievement for all students. The program engages pre-service and in-service teachers, administrators, counselors and other educators to excel in teaching, leadership, scholarship and service.

The EPP holds the established dispositions, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

The EPP holds the established competencies, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

Graduation with an education minor requires admission to the Teacher Education Program.

**University Requirement – 2 hours**

GSTD	1002	Freshman Seminar
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**General Education – 35 hours**

**Spanish – 33 hours**

SPAN	2033	Intermediate Spanish I
SPAN	2043	Intermediate Spanish II
SPAN	3973	Hispanic Linguistics
SPAN	3993	Advanced Spanish Grammar

12 hours of upper level Spanish electives

Select 3 hours from the following:

SPAN	3163	Composition and Conversation
SPAN	3173	Advanced Composition and Conversation

Select 3 hours from the following:

SPAN	4513	Spanish Civilization
SPAN	4623	Spanish-American Civilization

Select 3 hours from the following:

SPAN	3183	Spanish –American Literature I
SPAN	3193	Spanish –American Literature II
SPAN	4813	Spanish Literature I
SPAN	4823	Spanish Literature II

**Other requirements – 1 hour**

FL	4100	Oral Proficiency Interview
FL	4701	Senior Project

**Minor in Education – 21 hours**

EDUC	2000	Educational Field Experience, Level I Lab
EDUC	2003	Introduction to Education
EDUC	3013	Educational Psychology

EDUC	3713	Methods and Materials in Foreign Language K-12
EDUC	4023	K-12 Field Experience II
EDUC	4043	Assessment, Evaluation and Measurement
EDUC	4273	Classroom and Group Management
SPED	4073	Survey of Exceptional Individuals

**Student Teaching Semester – 12 hours**

EDUC	4003	Student Teaching Seminar
S ED	4006	Student Teaching in the Secondary School I
S ED	4103	Student Teaching in the Secondary School II

**Note:** In order to be certified, students who complete the BA in Foreign Language: Spanish with a minor in Education (Teaching Certification) must also pass the Praxis II exams.

Completion of remaining hours to total 120 hours, including 40 upper division hours.

**Minors in the Modern Languages Department**

**Minor in English - 24 hours** (including 12 hours of general education courses)

ENGL	1113	Composition I
ENGL	1123	Composition II
ENGL	2213	World Literature I
ENGL	2223	World Literature II

3 hours of upper division literature

9 hours of upper division English electives

**The Writing Minor - 21 hours**

3 hours from the following:

ENGL	2213	World Literature I
ENGL	2223	World Literature II

12 hours from the following:

ENGL	3003	Advanced Professional Writing
ENGL	3103	Advance Composition
ENGL	3243	The Theory and Practice of Writing
ENGL	4043	World Creation and Design
ENGL	4503	Creating Writing-Poetry
ENGL	4513	Creative Writing-Fiction
ENGL	4523	Writing: Special Topics

6 hours from the following:

ENGL	2213	World Literature I*
ENGL	2223	World Literature II*

ENGL 3000/4000 level

\*if not elected above

**Minor in French –12-24 hours**

12 hours of French above FREN 2043 Intermediate French II

**Minor in Spanish – 12-24 hours**

12 hours of Spanish above SPAN 2043 Intermediate Spanish II

Spanish-English Translation Sequence: Students who take Spanish-English Interpretation I and II (SPAN 3323 and SPAN 3333) and Spanish Translation I and II (SPAN 3013 and SPAN 3023) will be prepared for certification exams as Spanish-English translators.

**Minor in Teaching English as a Second Language - 18 hours**

**Educator Preparation Provider (EPP) Conceptual Framework: *Attaining Educational Achievement through Collaboration and Reflection***

The mission of the education Educator Preparation Program is to prepare candidates who attain educational achievement through collaboration and reflection. To that end the education preparation program (including content departments), collaborates with K-12 schools, Educational Service Cooperatives, Educational Renewal Zones and other local, state, and national organizations to inculcate high standards of educational achievement for all students. The program engages pre-service and in-service teachers, administrators, counselors and other educators to excel in teaching, leadership, scholarship and service.

The EPP holds the established dispositions, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

The EPP holds the established competencies, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

Graduation with an education minor requires admission to the Teacher Education Program.

3 hours selected from the following:

ENGL	3043	Comparative English Grammar
FREN	3993	Advanced French Grammar
SPAN	3993	Advanced Spanish Grammar

3 hours selected from the following:

ENGL	3653	Introduction to English Language Studies
FREN	3973	Introduction to French Linguistics
SPAN	3973	Hispanic Linguistics

12 hours selected from the following:

ENGL	4013	Second Language Acquisition
ENGL	4023	Second Language Assessment
ENGL	4033	TESOL Methods and Materials
ENGL	4003	Teaching People from Other Cultures

## **Department of Performing Arts and Mass Communication**

Sarah Mickey, MME, Chair

The Department of Performing Arts and Mass Communication offers pre-professional degree programs designed to equip students with the tools necessary to pursue careers in the areas of music, theatre, and mass communication, as well as pursue graduate degrees in these fields. The department offers a Bachelor of Fine Arts (BFA) degree in performing arts with concentrations in theatre, musical theatre, music performance (vocal or instrumental options), music education (vocal or instrumental options), and music with studies in business. The department also offers a Bachelor of Arts degree in mass communication with an emphasis in mass media.

The music curriculum prepares students to become proficient musicians, music educators, and capable vocalists and instrumentalists who are able to demonstrate the performance skills and knowledge for sound musicianship.

The theatre and musical theatre curriculum offers a rigorous course of study with options in a wide variety of Theatre topics pertinent to careers in these degrees, including performance, design, management, or advanced graduate studies.

The Mass Communication curriculum has a core of introductory courses common to all mass media fields and offers an academic emphasis in mass media.

Integral to the mission of the Department of Performing Arts and Mass Communication is the enrichment of the artistic life of non-majors, the University, the community, and region by offering student, faculty, and guest performances, and by providing participative, collaborative, and advisory services in the performing arts.

### **Music Departmental Regulations**

All music majors in all programs (with the exception of first semester freshmen), are required to perform, as a soloist, at least once each semester in a student recital, and all music majors are required to take a jury each semester (until the applied music requirement is met).

All candidates for the BFA in Music Education and the BFA in Music Performance must present a public recital during their senior year (MUSR 4000). 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 the public performance.

All music majors must participate in a major ensemble (typically, instrumental majors in band or vocal majors in choir) until the degree is completed. In addition, all majors in the BFA of Music Performance and all majors in the BFA in Music with Studies in Business programs must also enroll in a small ensemble (instrumental or vocal, depending on the student's applied area of study), adding another four credits to the major ensemble requirement. Instrumental music education majors on a performance scholarship must likewise meet the small ensemble requirement.

Instrumental music education majors and all musical theatre majors must register for beginning class voice (MACV 1211), preferably in the first semester of their freshman year.

Music majors in the BFA Music Education, the BFA Music Performance, and the BFA in Music with Studies in Business programs must pass a piano proficiency requirement. Vocal music education majors and vocal performance majors must take four hours of



piano as well as meeting the piano proficiency requirement. Majors in the BFA in Music with Studies in Business program must take four hours of piano or another instrument as well as meeting the piano proficiency requirement.

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.

All music majors except musical theatre 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.

All music majors must earn a *C* or higher in all major courses.

**Major in Performing Arts:  
Music with Studies in Business (BFA)**

124 hours

**University Requirement** - 2 hours

GSTD	1002	Freshman Seminar
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**General Education** - 29 hours (FIN 2003 Personal Finance is required.). Six hours of general education humanities are included in the major.

**BFA Core Requirements** - 9 hours

THEA	2003	Theatre Appreciation
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Select 3 hours from:

ART	2013	Art Appreciation
HUM	2003	Film Appreciation

Select 3 hours from:

MULI	1013	Introduction to Music
MUS	2013	Music Appreciation

**Musical Literature** – 6 hours

MULI	4003	History of Music I
MULI	4103	History of Music II

**Music Theory** – 16 hours

MUTH	1093	Fundamentals of Music Theory*
MUTH	1003	Written Theory I
MUTH	1011	Applied Theory I
MUTH	1103	Written Theory II
MUTH	1111	Applied Theory II
MUTH	2003	Written Theory III
MUTH	2011	Applied Theory III
MUTH	2103	Written Theory IV
MUTH	2111	Applied Theory IV

\*Exemption with exam. Fundamentals of Music (MUTH 1093) taken in the first semester of study, is a remedial course. Credit for the course does not count towards the major requirements.

**Applied Music and Ensemble – 30 hours**

Applied Major Instrument (14 hours)

Applied Minor Instrument\*\* (4 hours)

Large Music Ensemble (8 hours)

Small Music Ensemble (4 hours)

\*\*Denotes meeting a piano proficiency requirement, which can be fulfilled by passing the proficiency exam. However, majors need to take four hours of either piano or another instrument.

**Other Requirements – 11 hours**

MUED	1000	Concert and Recital Attendance (six semesters)
MUED	3202	Media Applications: Orchestration and Arranging

7 hours of upper-level music electives

Select 2 hours from:

MUED	3002	Choral Conducting
MUED	3012	Instrumental Conducting

**Business Requirements – 21 hours**

ACCT	2003	Principles of Accounting I
ACCT	2103	Principles of Accounting II
ECON	2103	Principles of Microeconomics
GBUS	2003	Legal Environment of Business
FIN	3003	Financial Management
MGMT	3023	Organizational Theory and Behavior
MKTG	3033	Principles of Marketing

**Major in Performing Arts: Music Education**

To obtain a bachelor of fine arts degree with major in performing arts: music education, the student must earn a minimum grade point average of 3.00 in all University credits in music, complete the pattern of courses listed below, and fulfill the requirements listed under the College of Education for admittance to and completion of a program of professional education. Note that there are two tracks within this degree: Vocal/Keyboard and Instrumental Music. Please refer to the plan of study for the BFA in music education.

**Educator Preparation Provider (EPP) Conceptual Framework: *Attaining Educational Achievement through Collaboration and Reflection***

The mission of the education Educator Preparation Program is to prepare candidates who attain educational achievement through collaboration and reflection. To that end the education preparation program (including content departments), collaborates with K-12 schools, Educational Service Cooperatives, Educational Renewal Zones and other local, state, and national organizations to inculcate high standards of educational achievement for all students. The program engages pre-service and in-service teachers, administrators, counselors and other educators to excel in teaching, leadership, scholarship and service.

The EPP holds the established competencies and dispositions, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

Graduation with an education minor requires admission to the Teacher Education Program.

**Major in Performing Arts:  
Music Education – Instrumental (BFA)**  
125 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 29 hours** (PSYC 2003 General Psychology is required.) Six hours of general education humanities are included in the major.

**BFA Core Requirements - 9 hours**

THEA	2003	Theatre Appreciation
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Select 3 hours from:

ART	2013	Art Appreciation
HUM	2003	Film Appreciation

Select 3 hours from:

MULI	1013	Introduction to Music
MUS	2013	Music Appreciation

**Musical Literature – 6 hours**

MULI	4003	History of Music I
MULI	4103	History of Music II

**Instrumental Music Track – 14 hours**

MUED	1000	Concert/Recital Attendance (six semesters)
MUED	3001	Brass Methods
MUED	3011	Woodwind Methods
MUED	3012	Instrumental Conducting
MUED	3021	Percussion Methods
MUED	3052	Methods and Administration of Elementary School Music
MUED	3061	String Methods
MUED	3172	Marching Band Techniques
MUED	3202	Media Applications: Orchestration and Arranging
MUED	3212	Methods and Materials in Instrumental Music

**Music Theory – 16 hours**

MUTH	1093	Fundamentals of Music Theory*
MUTH	1003	Written Theory I
MUTH	1011	Applied Theory I
MUTH	1103	Written Theory II
MUTH	1111	Applied Theory II
MUTH	2003	Written Theory III
MUTH	2011	Applied Theory III
MUTH	2103	Written Theory IV
MUTH	2111	Applied theory IV

\*Exemption with exam. Fundamentals of Music (MUTH 1093) taken in the first semester of study, is a remedial course. Credit for the course does not count towards the major requirements.

**Applied Music and Ensemble – 22-23 hours**

Applied Major Instruction (14 hours)

MUSR	4000	Senior Recital
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MACV            1211            Beginning Class Voice  
 Large Ensemble (7-8 hours)  
 Small Music Ensemble (0-4 hours)  
 Piano (0-4 hours) if piano proficiency cannot be met entering the program

**Education - 15 hours**

EDUC            2000            Educational Field Experience, Level I  
 EDUC            2003            Introduction to Education  
 EDUC            4023            K-12 Field Experience Level II  
 PSYC            3013            Educational Psychology  
 SPCH            1113            Introduction to Public Speaking  
 SPED            4073            Survey of Exceptional Individuals

**Student Teaching Block – 12 hours**

EDUC            4003            Student Teaching Seminar  
 E ED            4006            Student Teaching I  
 S ED            4103            Student Teaching II

**Major in Performing Arts:  
 Music Education - Vocal (BFA)**

124-125 hours

**University Requirement - 2 hours**

GSTD            1002            Freshman Seminar

**General Education - 29 hours** (PSYC 2003 General Psychology is required.) Six hours of general education humanities are included in the major.

**BFA Core Requirements - 9 hours**

THEA            2003            Theatre Appreciation

Select 3 hours from:

ART            2013            Art Appreciation  
 HUM            2003            Film Appreciation

Select 3 hours from:

MULI            1013            Introduction to Music  
 MUS            2013            Music Appreciation;

**Musical Literature – 6 hours**

MULI            4003            History of Music I  
 MULI            4103            History of Music II

**Vocal - 10 hours**

MUED            1000            Concert and Recital Attendance (six semesters)  
 MUED            3002            Choral Conducting  
 MUED            3031            Instrumental Survey  
 MUED            3052            Methods and Administration of Elementary School Music  
 MUED            3202            Media Applications: Orchestration and Arranging  
 MUED            3233            Methods and Materials in Choral Music

**Music Theory – 16 hours**

MUTH            1093            Fundamentals of Music Theory\*

MUTH	1003	Written Theory I
MUTH	1011	Applied Theory I
MUTH	1103	Written Theory II
MUTH	1111	Applied Theory II
MUTH	2003	Written Theory III
MUTH	2011	Applied Theory III
MUTH	2103	Written Theory IV
MUTH	2111	Applied Theory IV

\*Exemption with exam. Fundamentals of Music (MUTH 1093) taken in the first semester of study, is a remedial course. Credit for the course does not count towards the major requirements.

**Applied Music and Ensemble – 25-26 hours**

Applied Music Instruction (14 hours)

Class Piano (4 hours)

Major ensemble (7-8 hours)

MUSR	4000	Senior Recital
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**Education - 15 hours**

EDUC	2000	Educational Field Experience, Level I
EDUC	2003	Introduction to Education
EDUC	4023	K-12 Field Experience Level II
PSYC	3013	Educational Psychology
SPCH	1113	Introduction to Public Speaking
SPED	4073	Survey of Exceptional Individuals

**Student Teaching - 12 hours**

EDUC	4003	Student Teaching Seminar
E ED	4006	Student Teaching in the Elementary School I
S ED	4103	Student Teaching in the Secondary School II

**Major in Performing Arts:  
Music Performance, Instrumental (BFA)**

120-122 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 29 hours** (ENGL 2213 World Literature I or ENGL 2223 World Literature II is required.) Six hours of general education humanities are included in the major.

**BFA Core Requirements - 9 hours**

THEA	2003	Theatre Appreciation
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Select 3 hours from:

ART	2013	Art Appreciation
HUM	2003	Film Appreciation

Select 3 hours from:

MULI	1013	Introduction to Music
MUS	2013	Music Appreciation

**Musical Literature – 6 hours**

MULI	4003	History of Music I
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MULI 4103 History of Music II

**Music Theory – 16-19 hours**

MUTH 1093 Fundamentals of Music Theory\*  
MUTH 1003 Written Theory I  
MUTH 1011 Applied Theory I  
MUTH 1103 Written Theory II  
MUTH 1111 Applied Theory II  
MUTH 2003 Written Theory III  
MUTH 2011 Applied Theory III  
MUTH 2103 Written Theory IV  
MUTH 2111 Applied Theory IV

\*Exemption with exam. Fundamentals of Music (MUTH 1093) taken in the first semester of study, is a remedial course. Credit for the course does not count towards the major requirements.

**Applied Music and Ensemble – 40 hours**

Applied Major Instrument (24 hours)

Applied Minor Instrument (4 hours)

Large Ensemble (8 hours)

Small Music Ensemble (4 hours)

**Other Requirements – 17 hours**

MUED 1000 Concert/Recital Attendance (six semesters)  
MUED 3012 Instrumental Conducting  
MUED 3202 Orchestration and Arranging  
MUSR 4000 Senior Recital

13 hours of upper-level music electives

**Major in Performing Arts:  
Music Performance - Vocal (BFA)**

120-122 hours

**University Requirement - 2 hours**

GSTD 1002 Freshman Seminar

**General Education - 29 hours** (ENGL 2213 World Literature I or ENGL 2223 World Literature II is required.) Six hours of general education humanities are included in the major.

**BFA Core Requirements - 9 hours**

THEA 2003 Theatre Appreciation

Select 3 hours from:

ART 2013 Art Appreciation  
HUM 2003 Film Appreciation

Select 3 hours from:

MULI 1013 Introduction to Music  
MUS 2013 Music Appreciation

**Musical Literature – 6 hours**

MULI 4003 History of Music I  
MULI 4103 History of Music II

**Music Theory – 16-19 hours**

MUTH	1093	Fundamentals of Music Theory*
MUTH	1003	Written Theory I
MUTH	1011	Applied Theory I
MUTH	1103	Written Theory II
MUTH	1111	Applied Theory II
MUTH	2003	Written Theory III
MUTH	2011	Applied Theory III
MUTH	2103	Written Theory IV
MUTH	2111	Applied Theory IV

\*Exemption with exam. Fundamentals of Music (MUTH 1093) taken in the first semester of study, is a remedial course. Credit for the course does not count towards the major requirements.

**Applied Music and Ensemble** – 40 hours

Applied Major Instrument (24 hours)

Applied Minor Instrument (4 hours)

Large Ensemble (8 hours)

Small Music Ensemble (4 hours)

**Other Requirements** – 17 hours

MUED 1000 Concert and Recital Attendance (six semesters)

MUED 3002 Choral Conducting

MUED 3322 Vocal Pedagogy

MUED 3201 Diction for Singers I

MUED 3211 Diction for Singers II

MUSR 4000 Senior Recital

5 hours of upper-level music electives

6 hours of foreign language (French or Spanish)

**Minor in Music** – 19-22 hours

MULI 1013 Introduction to Music

MUTH 1093 Fundamentals of Music Theory\*

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

\* Exemption with exam.

Fundamentals of Music (MUTH 1093) taken in the first semester of study, is a remedial course. Credit for the course does not count towards the minor requirements.

**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.

## Major in Performing Arts: Musical Theatre (BFA)

120 hours

All theatre and musical theatre majors must earn a *B* or higher in all major courses.

### Admission Requirements:

Each musical theatre major must audition and be accepted into the program before declaring their major. Auditions for the program will be held once during the fall semester and three times during the spring semester on designated dates. The auditions for majoring in musical theatre are as follows:

1. Students must attend one (1) of the designated audition dates.
2. Students must prepare and perform two (2) contrasting musical theatre songs, and one (1) monologue from a published play script.
3. Students must provide one (1) letter of recommendation from either a director, music teacher, or drama teacher from their high school.

Please contact the Director of Theatre for more information.

For the first two (2) years, all students are admitted into the program on a probationary period. At the end of the student's second semester and fourth semester, they will undergo a jury audition and/or interview examination in which the senior faculty will evaluate their status and progress within the program to be permitted to pursue advanced study.

### University Requirement - 2 hours

GSTD	1002	Freshman Seminar
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**General Education** - 29 hours (ENGL 2213 or ENGL 2223 required. Six hours of general education humanities are included in the major)

### BFA Core Requirements - 9 hours

THEA	2003	Theatre Appreciation
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#### Select 3 hours from the following:

ART	2013	Art Appreciation
HUM	2003	Film Appreciation

#### Select 3 hours from the following:

MUS	2013	Music Appreciation
MULI	1013	Introduction to Music

### Musical Theatre Requirements – 12 hours

THEA	1000	Production Run Crew (2 semesters)
THEA	2613	Stagecraft
THEA	3643	Theatre History I: Origins to 1600
THEA	3653	Theatre History II: 1600 to the Present
THEA	3763	Script Analysis

### Musical Theatre – 36 hours

THEA	1013	Acting I
THEA	2023	Acting II
THEA	2103	Acting III
THEA	2203	Acting IV
THEA	3423	Dialects and Accents
THEA	3433	Musical Theatre History
THEA	3513	Musical Theatre Performance I



THEA	3523	Musical Theatre Performance II
THEA	3533	Business of Acting
THEA	3663	Performance in Shakespeare
THEA	4513	Musical Theatre Performance III
THEA	4523	Musical Theatre Performance IV

**Dance – 16 hours**

THDA	1002	Ballet I
THDA	1102	Ballet II
THDA	2002	Modern Dance I
THDA	2102	Modern Dance II
THDA	3002	Jazz Dance I
THDA	3102	Jazz Dance II
THDA	4002	Repertory Dance I
THDA	4102	Repertory Dance II

**Music Theory – 6 hours**

MUTH	1113	Theory and Piano Skills for Musical Theatre I
MUTH	1123	Theory and Piano Skills for Musical Theatre II

**Applied Lessons/Music Ensemble – 10 hours**

MAVC	1001-1003	Applied Voice (2 semesters)
MAVC	2001-2003	Applied Voice (2 semesters)
MAVC	3001-3003	Applied Voice (2 semesters)
MAVC	4001-4003	Applied Voice (2 semesters)
MUEN	1141/3141	Heritage Singers (2 semesters)

\*Must complete 8 semesters of applied voice

**Major in Performing Arts: Theatre (BFA)**

120 hours

All theatre and musical theatre majors must earn a *B* or higher in all major courses.

**Admission Requirements:**

Each major must audition and be accepted into the program before declaring their major. Auditions/interviews for the program will be held once during the fall semester and three times during the spring semester on designated dates. The audition for majoring in theatre are as follows:

1. Students must attend one (1) of the designated audition dates.
2. Students must prepare and perform two (2) contrasting monologues from published play scripts or provide a technical portfolio and résumé for review.
3. Students must provide one (1) letter of recommendation from a past theatre teacher or director.

Please contact the Director of Theatre for more information.

For the first two (2) years, all students are admitted into the program on a probationary period. At the end of the student's second semester and fourth semester, they will undergo a jury audition and/or interview examination in which the senior faculty will evaluate their status and progress within the program to be permitted to pursue advanced study.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education** - 29 hours (ENGL 2213 World Literature I or ENGL 2223 World Literature II is required.) Six hours of general education humanities are included in the major.

**BFA Core Requirements** - 9 hours

THEA 2003 Theatre Appreciation

Select 3 hours from the following:

ART 2013 Art Appreciation

HUM 2003 Film Appreciation

Select 3 hours from the following:

MUS 2013 Music Appreciation

MULI 1013 Introduction to Music

**Theatre Requirements** - 17 hours

THEA 1000 Production Run Crew (2 semesters)

THEA 2613 Stagecraft

THEA 3643 Theatre History I: Origins to 1600

THEA 3653 Theatre History II: 1600 to the Present

THEA 3763 Script Analysis

THEA 4633 Directing

THEA 4922 Project in Theatre

Select 21 hours from the following:

ART 2143 Art History I

ART 3123 Art History II

THEA 1013 Acting I

THEA 2013 Movement for Actors

THEA 2023 Acting II

THEA 2103 Acting III

THEA 2203 Acting IV

THEA 2513 Costume Design I

THEA 2603 Improvisation

THEA 2623 Drafting for Entertainment Design

THEA 2633 Fundamentals of Acting

THEA 2643 Fundamentals of Entertainment Design

THEA 3423 Dialects and Accents

THEA 4613 Theatre Design I – Scenery

Select 36 hours from the following:

ART 1013 Drawing I

ART 1023 Three-Dimensional Design

ART 1043 Two-Dimensional Design

ART 1113 Drawing II

ART 2123 Graphic Software Applications

ART 3543 Figure Drawing

ART 4033 History of Modern Art

THEA 3403 Playwriting

THEA 3413 Acting for the Camera

THEA 3433 Musical Theatre History

THEA 3533 Business of Acting

THEA 3563 Business of Design and Production

THEA 3593 Studies in Musical Theatre

THEA	3613	Make-Up and Special Effects
THEA	3663	Performance in Shakespeare
THEA	3673	Creative Dramatics
THEA	3833	Theatre Management
THEA	4301	Theatre Production Practicum
THEA	4623	Theatre Design II – Lighting and Sound
THEA	4853	Devised Theatre
THEA	4913	Theatre Internship
WELD	1003	Welding Skills Development

Select 6 hours from the following:

THEA	3623	Acting Styles I
THEA	3633	Acting Styles II
THEA	4533	Advanced Design Studio I
THEA	4563	Advanced Design Studio II
THEA	4933	Advanced Technical Topics I
THEA	4943	Advanced Technical Topics II

**Minor in Theatre - 18 hours**

THEA	2613	Stagecraft
THEA	2633	Fundamentals of Acting
THEA	2643	Fundamentals of Entertainment Design
THEA	3643	Theatre History I: Origins to 1600
THEA	3653	Theatre History II: 1600 to Present
THEA	3763	Script Analysis

**Major in Mass Communication (BA)**

**Emphasis in Mass Media - 120 hours**

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 35 hours (ENGL 2213 World Literature I is required.)**

**Mass Communication - 15 hours**

DC	2333	Fundamentals of Digital Cinema
MCOM	1003	Introduction to Mass Communication
MCOM	2133	Basic Digital Photography
MCOM	4003	Media Law and Ethics
MM	2003	Reporting and Writing for the Mass Media

**Mass Media - 21 hours**

MM	3103	Principles of Public Relations
MM	3123	Internet Communication
MM	4013	Publicity, Media and Campaigns
MM	4123	International Mass Media

9 hours of upper level Mass Media Electives

**Other Requirement - 17 hours**

ENGL	2223	World Literature II
MPRO	4342	Senior Capstone
PSYC	2003	General Psychology
SPCH	1113	Introduction to Public Speaking

3 hours selected from the following\*:

MCOM	3363	Advanced Digital Photography
SPCH	3123	Advanced Public Speaking

3 hours selected from the following\*:

MKTG	3033	Principles of Marketing
PSCI	3033	American Political Parties
PSCI	3113	Western Thought
PSCI	3243	Modern American Politics

\*Students and advisors should be aware of any course prerequisites before selecting any of these courses.

Foreign language (6 hours), which may be fulfilled by freshman-level courses in the same language or a satisfactory score on a language proficiency exam AND six (6) semester hours of foreign language above the freshman level OR ENGL 3003 Advanced Professional Writing OR ENGL 3103 Advanced Composition AND an upper-level humanities course with a world studies or international focus. Courses may be selected from the areas of art, English, history, foreign language, philosophy or political science with the approval of the advisor.

A minor is not required but is recommended.

The mass media advisor will work with students to determine a minor appropriate for their career goals or develop a set of courses that will prepare students for graduate work or employment in journalism and online publications, broadcast/video production/operations, public relations and marketing firms.

Completion of the remaining hours to total 120 hours, including the required 40 junior/senior hours.

**Minor in Mass Media - 18 hours**

MCOM	4003	Media Law and Ethics
MM	2003	Reporting and Writing for the Mass Media
MM	3103	Principles of Public Relations
MM	4013	Publicity, Media and Campaigns

6 hours of upper level Mass Media electives

**College of Liberal and Performing Arts  
PACT 8 Degree Plans**

**Associate of Arts in University Studies (AA)**

Suggested Plan of Study

2020-2021 Catalog

Fall – Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
Biology Science choice/Lab (BIOL 1043/1041 or BIOL 1203/1201)	4	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Elective	3
GSTD 1002 Freshman Seminar	2	Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall – Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	Elective	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Elective	3
Elective	3	Elective	3
Elective	3	Elective	2
<b>16</b>		<b>Total Semester Hours</b>	<b>14</b>

Total hours required for major – 60

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

## Bachelor of University Studies (BUS)

Suggested Plan of Study

2020-2021 Catalog

Fall – Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
Biology Science choice/Lab (BIOL 1043/1041 or BIOL 1203/1201)	4	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Foreign Language	3
GSTD 1002 Freshman Seminar	2	SPCH 1113 Introduction to Public Speaking	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall – Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	Primary Area of Concentration Elective	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Primary Area of Concentration Elective	3
Primary Area of Concentration Elective	3	2nd Area of Concentration Elective	3
USTD 3003 Information Literacy	3	3rd Area of Concentration Elective	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall – Semester 5		Spring - Semester 6	
Primary Area of Concentration	6	UL Primary Area of Concentration	6
2nd Area of Concentration	3	2nd Area of Concentration	3
3rd Area of Concentration	3	3rd Area of Concentration	3
Elective	3	Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall – Semester 7		Spring - Semester 8	
UL Primary Area of Concentration	6	UL Primary Area of Concentration	3
2nd Area of Concentration	3	Electives	11
3rd Area of Concentration	3		
Elective	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>14</b>

Total hours required for major – 120

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note 1: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Note 2: Student must complete twenty-five (25) UL hours in the last four (4) semesters for forty (40) junior/senior hours.

Note 3: Activity courses cannot be used to fulfill the forty (40) hour junior/senior requirement.

Note 4: Student must complete three hours foreign language.

Primary Area of Concentration: 30 hours

2nd Area of Concentration: 12 hours

3rd Area of Concentration: 12 hours

Area of Concentration

Humanities	Business
Social Sciences	Education
Natural Sciences	

### Bachelor of Fine Arts in Art & Design, Studio Track (BFA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	Biology Science choice/Lab (BIOL 1043/1041 or BIOL 1203/1201)	4
SPCH 1113 Introduction to Public Speaking	3	ART 1023 Three-Dimensional Design	3
ART 1013 Drawing I	3	ART 1113 Drawing II	3
ART 1043 Two-Dimensional Design	3	Fine Arts/Humanities (HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
ART 2023 Printmaking I	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
ART 2063 Ceramics I	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
ART 2123 Graphic Software Applications	3	Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4
ART/MCOM 2133 Basic Digital Photography	3	ART 2103 Painting I	3
ART 2143 Art History I	3	ART 3123 Art History II	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 5		Spring - Semester 6	
ART 3363 Advanced Digital Photography	3	ART 4033 History of Modern Art	3
ART 3033 Printmaking II	3	Fine Arts/Humanities (HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403 or THEA 2003)	3
ART 3063 Ceramics II	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
ART 3543 Figure Drawing	3	ART 3233 Painting II	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	ART 3/4000 UL Art Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
ART 4003 Sculpture	3	ART 4113 Special Topics in Art II	3
ART 4013 Special Topics in Art I	3	ART 3/4000 UL Art Elective	6
ART 4023 Advanced Art Studio I	3	Select one course from the following list: PHIL 2403 Introduction to Philosophy & Ethics PSYC 2003 General Psychology SOC 2003 Introduction to Sociology FIN 2003 Personal Finance MKTG 3033 Principles of Marketing UL History Elective	3
ART 4123 Advanced Art Studio II	3		
ART 4132 Senior Capstone Review	2		
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.



**Bachelor of Fine Arts in Art & Design, Communication Design Track (BFA)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	ART 1113 Drawing II	3
ART 1013 Drawing I	3	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
ART 1043 Two-Dimensional Design	3	ART 1023 Three-Dimensional Design or ART 2063 Ceramics I	3
ART 2123 Graphic Software Applications	3	SPCH 1113 Introduction to Public Speaking	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
MCOM 2503 Visual Communication	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
ART 2143 Art History I	3	ART 2043 Layout & Production	3
ART 2133 Basic Digital Photography	3	ART 2103 Painting I	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	ART 3123 Art History II	3
ART 2163 Introduction to Typography	3	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	ART 4053 Package Design	3
ART 2023 Printmaking I	3	ART 4033 History of Modern Art	3
ART 3223 Illustration	3	ART 3083 Advanced Typography	3
ART 3353 Multimedia and Web Design I	3	ART 3333 Advanced Communication Design	3
Fine Arts/Humanities (HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403 or THEA 2003)	3	ART 3/4000 UL Art Elective	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
Fine Arts/Humanities (HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	ART 4113 Special Topics in Art II	3
Biology Science choice/Lab (BIOL 1043/1041 or BIOL 1203/1201)	4	ART 3/4000 UL Art Elective	3
ART 4123 Advanced Art Studio II	3	ART 4353 Multimedia and Web Design II	3
ART 3/4000 UL Art Elective	3	Select one course from the following list: FIN 2003 Personal Finance HUM 2003 Film Appreciation IS 2053 Business Information Systems MKTG 3033 Principles of Marketing PHIL 2403 Introduction to Philosophy & Ethics SOC 2003 Introduction to Sociology UL History Elective	3
ART 4132 Senior Capstone Review	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

**Bachelor of Fine Arts in Art & Design, Game, Animation and Simulation Design  
(BFA)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1053, MATH 1045, or MATH 1525)	3	ART 1113 Drawing II or ART 1033 Concept Art	3
ART 1013 Drawing I	3	ART 2123 Graphic Software Applications	3
ART 1043 Two-Dimensional Design	3	ART 1023 Three-Dimensional Design	3
GSTD 1002 Freshman Seminar	2	ART 1103 Introduction to Game Development	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
ART 2193 Introduction to 3D Modeling Tools	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
ART 2133 Basic Digital Photography	3	ART 3053 Animation I	3
ART 2143 Art History I	3	ART 3153 Simulation Development I	3
CSCI 2103/2101 Computer Science I/Lab	4	ART 2183 Game Design Management	3
CSCI 2133 Game Development	3	ART 3123 Art History II	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
ART 3143 3D Character Rigging	3	ART 2093 Introduction to Playgramming	3
ART 3353 Multimedia and Web Design I or ART 3363 Advanced Digital Photography or ART 4353 Multimedia and Web Design II or ENGL 4043 World Creation and Design or DC 2333 Fundamentals of Digital Cinema or DC 3333 Intermediate Digital Cinema or CSCI 2113/2111 Computer Science II/Lab	3	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
ART 3133 3D Character Design and Sculpture	3	ART 3093 Physics of Animation	3
CSCI 3043 Game Studio Workshop or CSCI 3913 Virtual Reality Workshop	3	ART 4033 History of Modern Art	3
ART 3223 Illustration or ART 3543 Figure Drawing	3	Biology Science choice/Lab (BIOL 1043/1041 or BIOL 1203/1201)	4
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 7		Spring - Semester 8	
HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
Fine Arts/Humanities (ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3	Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4
ART 4153 Animation II	3	ART 4173 Simulation Development II	3
ART 4013 Special Topics in Art I or ART 4023 Advanced Art Studio I or ART 4113 Special Topics in Art II or ART 4123 Advanced Art Studio II or ART 4163 Advanced Level Visual Design	3	ART 3353 Multimedia and Web Design I or ART 3363 Advanced Digital Photography or ART 4353 Multimedia and Web Design II or ENGL 4043 World Creation and Design or DC 2333 Fundamentals of Digital Cinema or DC 3333 Intermediate Digital Cinema or CSCI 2113/2111 Computer Science II/Lab	3
ART 4193 Game Development Senior Project	3	ART 4132 Senior Capstone Review	2
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>

Total hours required for major – 121 \*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National

**Bachelor of Fine Arts in Art & Design, Interactive Media and Marketing (BFA)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	ART 1113 Drawing II or ART 1033 Concept Art	3
ART 1013 Drawing I	3	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
ART 1043 Two-Dimensional Design	3	SPCH 1113 Introduction to Public Speaking or Foreign Language	3
ART 2123 Graphic Software Applications	3	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
ART 2003 Intro to Communication Design	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
ART 2143 Art History I	3	ART 2043 Layout & Production or ART 3053 Animation I	3
ART 2133 Basic Digital Photography	3	DC 2333 Fundamentals of Digital Cinema	3
Biology Science choice/Lab (BIOL 1043/1041 or BIOL 1203/1201)	4	ART 3123 Art History II or ART 4033 History of Modern Art	3
ART 2163 Introduction to Typography	3	SPCH 1113 Introduction to Public Speaking or Foreign Language	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Select 1 course from the following list: ART 3083 Advanced Typography, ART 3223 Illustration, ART 4053 Package Design, or ART 4353 Multimedia and Web Design II	3
MKTG 3033 Principles of Marketing	3	MKTG 4053 Integrated Marketing Communication	3
MCOM 1003 Intro to Mass Communication	3	Select 1 course from the following list: ART 3083 Advanced Typography, ART 3223 Illustration, ART 4053 Package Design, or ART 4353 Multimedia and Web Design II	3
ART 3353 Multimedia and Web Design I or	3	ART 3333 Advanced Communication Design	3
Fine Arts/Humanities (HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403 or THEA 2003)	3	Select 1 course from the following list: MGMT 4023 Entrepreneurship, MKTG Consumer Behavior, MKTG 3103 Selling and Sales Management, or MKTG 4043 Retailing	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
Fine Arts/Humanities (HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403 or THEA 2003)	3	Select 1 course from the following list: MGMT 4023 Entrepreneurship, MKTG Consumer Behavior, MKTG 3103 Selling and Sales Management, or MKTG 4043 Retailing	3
FIN 2003 Personal Finance	3	3 hrs upper level MCOM, MM, or DC	3
MM 2003 Reporting and Writing for the Mass Media	3	3 hrs upper level MCOM, MM, or DC	3
MKTG 3413 Social Media for Business	3	ART 4132 Senior Capstone Review	2
Select 1 course from the following list: MGMT 4023 Entrepreneurship, MKTG Consumer Behavior, MKTG 3103 Selling and Sales Management, or MKTG 4043 Retailing	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>11</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American

**Bachelor of Fine Arts in Art & Design, Pre-Art Therapy Emphasis (BFA)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, SOC 1003, or SOC 2003)	3
ART 1013 Drawing I	3	ART 1023 Three-Dimensional Design	3
ART 1043 Two-Dimensional Design	3	ART 1113 Drawing II or ART 1033 Concept Art	3
PSYC 2003 General Psychology	3	ART 2203 Introduction to Art Therapy	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
ART 2023 Printmaking I	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
ART 2063 Ceramics I	3	ART 2103 Painting I	3
Biology Science choice/Lab (BIOL 1043/1041 or BIOL 1203/1201)	4	ART 3163 Processes and Materials of Art Psychotherapy	3
PSYC 3013 Educational Psychology	3	PSYC 3223 Developmental Psychology	3
ART 2143 Art History I (Fall) or ART 3123 Art History II (Spring)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
PSYC 3093 Physiological and Comparative Psychology	3	PSYC 3123 Child Psychology or PSYC 4163 Child Psychopathology	3
Fine Arts/Humanities (ART 1103, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3	Fine Arts/Humanities (ART 1103, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403 or THEA 2003)	3
ART/MCOM 2133 Basic Digital Photography	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	PSYC 4043 History and Systems of Psychology	3
		PSYC 4133 Introduction to Counseling Theories	3
<b>Total Semester Hours</b>	<b>13</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
PSYC 4023 Industrial and Organizational Psychology	3	ART 4033 History of Modern Art	3
PSYC 4033 Abnormal Psychology	3	ART 4213 Art Therapy Senior Seminar	3
ART 4023 Advanced Art Studio I or ART 4123 Advanced Art Studio II	3	Art elective	3
Art Electives	5	PSYC 4053 Theories of Personality	3
		PSYC 4063 Social Psychology	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>15</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

### Bachelor of Science in Criminal Justice (BS)

#### Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053, or MATH 1525)	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, or THEA 2003)	3	SOC 2003 Introduction to Sociology	3
PSYC 2003 General Psychology	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall – Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Elective	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	ENGL 3003 Advanced Professional Writing or SPCH 1113 Introduction to Public Speaking	3
PSCI 2003 American Government: National or PSCI 2013 State and Local Government: Arkansas and the US	3	Natural Science or Mathematics Choice	3
CRJU 2003 Introduction to Criminal Justice	3	Minor Requirement	3
Elective or Minor Requirement	3	Elective	1
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>13</b>
Fall - Semester 5		Spring - Semester 6	
CRJU 3073 Corrections	3	CRJU 3023 Criminal Evidence and Procedure	3
CRJU 3183 Statistics	3	UL CRJU elective	3
CRJU 3043 Criminal Law	3	Minor Requirement	3
Minor Requirement	3	CRJU 3003 Cultural Diversity	3
Natural Science or Mathematics Choice	3	UL Minor Requirement	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
CRJU 3153 Research Methods	3	CRJU 4053 Criminology	3
CRJU elective	3	CRJU elective	4
CRJU 3053 Juvenile Justice	3	CRJU elective	3
UL Minor Requirement	3	UL Minor Requirement	3
	3	CRJU 3103 Ethics in Criminal Justice	3
<b>Total Semester Hours</b>	<b>12</b>	<b>Total Semester Hours</b>	<b>16</b>

Total hours required for major – 120

\*Note: Must have six hours of history. Three hours must be World History I or II and three hours of U.S. History I or II.

#### Criminal Justice Electives

CRJU 3033 Criminal Investigations	CRJU 4003 Domestic Violence
CRJU 3043 Gang Behavior	CRJU 4013 Legal and Ethical Issues in Juvenile Justice
CRJU 3053 Juvenile Justice	CRJU 4033 Critical Issues
CRJU 3063 Substance Abuse	CRJU 4064 Field Practicum
CRJU 3083 Community Based Corrections	CRJU 4073 American Constitutional Law
CRJU 3093 Special Topics	CRJU 4093 Advanced Topics in Criminal Justice
CRJU 3113 Juvenile Law	CRJU 4103 Criminal Justice Internship
CRJU 3123 Juvenile Rehabilitation and Corrections	CRJU 4113 Study of Terrorism
CRJU 3133 Fraud Examination and Prevention	

Activity courses cannot be used to fulfill the forty (40) hour of junior/senior requirement.

### Bachelor of Science in Cyber Criminology (BS)

Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics choice (MATH 1023, MATH 1045, or MATH 1525)	3	Fine Arts/Humanities choice (ART 1103 or ART 2013, HUM 2003, MUS 2013, THEA 2003 or Foreign Language)	3
*HIST 1003 or 1013 World History I or II	3	CRJU 2013 Introduction to Cyber Criminology	3
CSCI 2103/2101 Computer Science I/Lab	4	CSCI 2113/2111 Computer Science II/Lab	4
GSTD 1002 Freshman Seminar	2	SPCH 1113 Introduction to Public Speaking	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
*PSCI 2003 American Government: National	3	CRJU 3103 Ethics	3
CSCI 2103 Data Structures and Algorithms	3	CRJU 3023 Criminal Evidence and Procedures	3
Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	3	CRJU 4053 Criminology	3
World Literature I/II (ENGL 2213 or ENGL 2223)	3	CSCI 3143 Network Security	3
Social Science choice (HIST 2013, HIST 2023, ECON 2103, FIN 2003, GEOG 2003, PSYC 2003, SOC 1003 or SOC 2003)	4	Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 5		Spring - Semester 6	
CRJU 3043 Criminal Law	3	CRJU 3153 Research Methods	3
CRJU 3183 Statistics	3	CRJU Elective	3
CSCI 3133 Advanced UNIX/LINUX	3	CSCI 3703 Computer Architecture	3
CSCI 3203 Assembler and Machine Organization	3	CSCI 4133 Operating Systems	3
CSCI 3213 Computer Networking	3	Fine Arts/Humanities choice (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2013, PHIL 2403, or THEA 2003)	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
CRJU/CSCI 4103 Senior Integrated Project I	3	CRJU/CSCI 4113 Senior Integrated Project II	3
CRJU 4143 Victimology	3	CRJU 4093/4193 Advanced Topics	3
CSCI 3153 Mobile Application Development	3	CRJU Elective	3
CSCI 4213 Privacy Engineering	3	CSCI 4333 Cyber Defense	3
CSCI 4223 Cyber Forensics	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*Note: Must have six hours of history. Three hours must be World History I or II and three hours of U.S. History I or II or American Government: National.

### Bachelor of Science in Psychology (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall – Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053, or MATH 1525)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
Biological Science choice/lab BIOL 1043/1041 or BIOL 1203/1201	4	PSYC 2003 General Psychology	3
GSTD 1002 Freshman Seminar	2	SPCH 1113 Introduction to Public Speaking	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall – Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	PSYC 3183 Statistics	3
PSYC 3093 Physiological and Comparative Psychology	3	PSYC 3223 Developmental Psychology	3
BIOL 3903/3901 Human Genetics/Lab	4	SOC 2003 Introduction to Sociology	3
Elective	3	Minor Requirement	3
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall – Semester 5		Spring - Semester 6	
Natural Science or Mathematics Elective	3	PSYC 4013 Psychological Measurement	3
PSYC 3153 Research Methods	3	PSYC 4043 History and Systems of Psychology	3
Minor Requirement	3	UL PSYC Elective	3
Minor Requirement	3	UL PSYC Elective	3
Elective	3	Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall – Semester 7		Spring - Semester 8	
PSYC 4073 Learning	3	UL Minor Elective	3
PSYC 4033 Abnormal Psychology	3	UL Minor Elective	3
UL PSYC Elective	3	PSYC 4053 Theories of Personality	3
PSYC 4093 Career Planning in Psychology	3	Elective	4
UL Minor Elective	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>13</b>

Total hours required for major - 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Psychology Electives

EDUC 3013 Educational Psychology	PSYC 4113, 4213 Advanced Topics
PSYC 3303 Cognitive Science	PSYC 4873 Honors Seminar
PSYC 4023 Industrial and Organizational Psychology	PSYC 4883, 4893 Field Practicum
PSYC 4063 Social Psychology	

Student must complete a total of 40 Jr/Sr hours.

## Bachelor of Social Work (BSW)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, or THEA 2003)	3
Mathematics (MATH 1023, MATH 1045, MATH 1053, or MATH 1525)	3	PSYC 2003 General Psychology	3
GSTD 1002 Freshman Seminar	2	PSCI 2003 American Government: National	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	SWK 2043 Introduction to Social Work	3
SOC 2003 Introduction to Sociology	3	SWK 3183 Statistics	3
Physical Science choice/Lab (PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, PHYS 2203/2201, CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, or GEOL 1003/1001)	4	SOC 3013 Social Problems	3
Foreign Language or ASL 1002 American Sign Language I	2-3	Foreign Language or ASL 1012 American Sign Language II	2-3
SPCH 1113 Introduction to Public Speaking	3	IS 1003 Introduction to Computers or CSCI 1102/1101 Introduction to Computing/Lab	3
<b>Total Semester Hours</b>	<b>15- 16</b>	<b>Total Semester Hours</b>	<b>14- 15</b>
Fall - Semester 5		Spring - Semester 6	
Electives	3-5	SWK 3113 Social Policy	3
SWK 3153 Research Methods	3	SWK Elective	3
SWK 3023 Human Behavior and Social Environment I	3	SWK 3033 Human Behavior and Social Environment II	3
Cultural Diversity Option	3	SWK 3123 Social Work Practice I	3
SWK 3003 Cultural Diversity	3	SWK 3133 Ethics	3
<b>Total Semester Hours</b>	<b>15- 17</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
SWK 4132 Social Work Field Practicum Seminar I	1	SWK 4221 Social Work Field Practicum Seminar II	1
PSYC 4033 Abnormal Psychology or PSYC 3223 Developmental Psychology	3	SWK 4854 Social Work Field Practicum II	4
SWK 4123 Social Work Practice II	3	SWK 4223 Social Work Practice III	3
SWK 4844 Social Work Field Practicum I	4	SWK 4141 Senior Seminar	1
SWK Elective	3	International Option	3
		SWK Elective	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>15</b>

Total hours required for major – 120

International Options

Cultural Diversity Options

GEOG 2003 Introduction to Geography	HIST 4093 African American History
PSCI 3003 International Relations	MCUL 4993 Hispanic Life and Culture
PSCI 3193 Political Geography	PSCI 4043 African American Politics
PSCI 4203 Comparative Politics	HIST 3143 or SOC 3143 The North American Indian
Foreign Language or ASL American Sign Language	

\*Note: Must have six hours of history. Three hours must be World History I or II. Three hours must be U.S. History I or U.S. History II.



## Bachelor of Arts in History (BA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	Social Science Choice (ECON 2103, FIN 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
Foreign Language	3	Foreign Language	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
GSTD 1002 Freshman Seminar	2	SPCH 1113 Introduction to Public Speaking	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4	Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Elective or Minor Option	3
GEOG 2003 Introduction to Geography	3	UL History Elective	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 5		Spring - Semester 6	
UL History Elective (U.S.)	3	UL History Elective (Non-U.S.)	3
UL History Elective (Non-U.S.)	3	Upper-level History Elective (U.S.)	3
HIST 3133 Research Methods	3	Elective or Minor Option	3
Elective or Minor Option	3	***UL Elective	3
Elective	5	Elective	3
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
UL Writing course or HIST 4353 Senior Paper Research	3	UL History Elective	3
UL History Elective	3	UL History Elective	3
Elective or Minor Option	3	UL Elective or Minor Option	3
UL Elective or Minor Requirement	3	UL Elective or Minor Option	3
Elective	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

### History Electives

HIST 3011/3111 Forum Contemporary Affairs I/II	HIST 4003 Europe 1815-1914
HIST 3053 The Middle East	HIST 4023 Europe 1618-1814
HIST 4083 History of Arkansas	HIST 4073 Civil War and Reconstruction
HIST 3093 American Foreign Policy	HIST 4093 African American History
HIST 3113 Europe since 1914	HIST 4103 American Social History since 1900
HIST 3123 Russia and the Soviet Union	HIST 4213 American Social History before 1900
HIST 3143 The North American Indian	HIST 4323 Recent U.S. History
HIST 3173 Modern South Asia	HIST 4363 Women in Europe
HIST 3183 African History	HIST 4383/4393 Advanced Topics in World History
HIST 3243 Modern American Politics	HIST 4483/4493 Advanced Topics in U.S. History

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Student must take World History I, II and U.S. History I, II.

\*\*\* Activity courses cannot be used to fulfill the forty (40) junior/senior hour requirement.

### Bachelor of Arts in History: Social Studies Education Option (BA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	EDUC 2003/2000 Introduction to Education/Educational Field Experience, Level I Lab	3
Foreign Language	3	Foreign Language	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
GSTD 1002 Freshman Seminar	2	PSYC 2003 General Psychology	3
Electives	2		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003)	3
Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4	Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4
World Literature I/II (ENGL 2213 or ENGL 2223)	3	ECON 2103 Principles of Microeconomics	3
PSCI 2003 American Government: National	3	PSCI 2013 State and Local Government: Arkansas and the U.S.	3
		Praxis CORE/Admission to Teacher Education	
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 5		Spring - Semester 6	
GEOG 2003 Introduction to Geography	3	UL History Elective (Non-U.S.)	3
HIST 3133 Research Methods	3	UL History Elective (Non-U.S.)	3
EDUC 3013 Educational Psychology	3	UL History Elective (U.S.)	3
EDUC 4043 Assessment, Evaluation, and Measurement	3	SPED 4073 Survey of Exceptional Individuals	3
UL Political science or geography	3	SOC 1003 Introduction to Cultural Anthropology or SOC 2003 Introduction to Sociology	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
UL Writing course or HIST 4353 Senior Paper Research	3	EDUC 4003 Student Teaching Seminar	3
HIST 4083 Arkansas History	3	S ED 4006 Student Teaching in the Secondary School I	6
o	3	S ED 4103 Student Teaching in the Secondary School II	3
EDUC 4273 Classroom and Group Management	3		
S ED 3313 Methods and Materials in Secondary and Middle School Social Studies	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Student must take World History I, II and U.S. History I, II.

### Bachelor of Arts in Political Science (BA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	PSCI 2013 State and Local Government: Arkansas and the U.S.	3
PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
Foreign Language	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
GSTD 1002 Freshman Seminar	2	Foreign Language	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
SPCH 1113 Introduction to Public Speaking	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3
Geography Elective	3	Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4
World Literature I/II (ENGL 2213 or ENGL 2223)	3	PSCI 3113 Western Thought	3
Social Science Choice (ECON 2103, FIN 2003, GEOG 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
Elective	3	Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 5		Spring - Semester 6	
PSCI 3133 Research Methods	3	UL Political Science Elective	3
UL Political Science choice from American Government and Institutions	3	UL Political Science Elective	3
UL Political Science choice from Foreign Affairs/International Relations	3	Elective	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403 or THEA 2003)	3	Elective or Minor Option	3
Elective or Minor Option	3	Elective or Minor Option	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
UL Political Science Elective	3	UL Political Science Elective	3
UL Elective or Minor Option	3	UL Political Science Elective	3
Elective or Minor Option	3	UL Elective or Minor Option	3
UL Political Science Elective	3	**UL Elective	4
**UL Elective	3	Elective	0-2
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>14-15</b>

Total hours required for major - 120

Foreign Affairs/International Relations

American Government and Institutions

PSCI 3003 International Relations	PSCI 3033 American Political Parties
PSCI 3093 American Foreign Policy	PSCI 3053 Introduction to Public Administration
PSCI 3193 Political Geography	PSCI 3243 Modern American Politics
PSCI 4053 Comparative Public Policy	PSCI 4033 Legislative Process
PSCI 4083 Global Issues	PSCI 4073 American Constitutional Law
PSCI 4203 Comparative Politics	

Political Science Electives

PSCI 3011, 3111 Great Decisions	PSCI 4043 African American Politics
PSCI 3053 Introduction to Public Administration	PSCI 4333, 4343 Advanced Topics in Political Science
PSCI 3063 Administrative Law	PSCI 4923 Political Science Internship

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history. Three hours must be World History I or II and three hours of U.S. History I or II.

\*\* Activity courses cannot be used to fulfill the forty (40) junior/senior hour requirements.

### Bachelor of Arts – Modern Languages: Comparative Literature (BA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	SPCH 1113 Introduction to Public Speaking	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
**FREN 1053 Elementary French I or SPAN 1053 Elementary Spanish I	3	**FREN 1063 Elementary French II or SPAN 1063 Elementary Spanish II	3
GSTD 1002 Freshman Seminar	2	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003, Foreign Language)	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
FREN 2033 Intermediate French I or SPAN 2033 Intermediate Spanish I	3	FREN 2043 Intermediate French II or SPAN 2043 Intermediate Spanish II	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or 2003)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	ENGL/FL Literature Option	3
Minor Requirement or Elective	3	Minor Requirement or Elective	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5 (Even Years)***		Spring - Semester 6 (Odd Years)***	
ENGL/FL Literature Option	3	ENGL/FL Literature Option	3
ENGL/FL Literature Option	3	UL English Elective	3
ENGL/FL Civilization/Culture Option	3	UL English Elective	3
UL English Elective	3	Minor Requirements	6
Minor Requirement or Elective	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7 (Odd Years)***		Spring - Semester 8 (Even Years)***	
ENGL/FL Literature Option	3	ENGL/FL Literature Option	3
UL English Elective	3	UL English Elective	3
UL English Elective	3	ENGL or FL 4701 Senior Project	1
UL elective or Minor Requirement	3	UL Electives	7
UL elective or Minor Requirement	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>14</b>

Total hours required for major – 120

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*If necessary as prerequisites for Spanish or French 2033, otherwise electives

#### ENGL/FL Literature Options

ENGL 3213 Topics in World Literature	ENGL/FREN 4683 Introduction to Francophone Literature
ENGL 3223 East Asian Literature in Translation	ENGL/SPAN 3183 Spanish American Literature I
ENGL 3483 Modern World Literature	ENGL/SPAN 3193 Spanish American Literature II
ENGL/FREN 4283 Survey of French Literature I	ENGL/SPAN 4813 Spanish Literature I
ENGL/FREN 4283 Survey of French Literature II	ENGL/SPAN 4813 Spanish Literature II

#### ENGL/FL Civilization/Culture Options

FREN 3693 French Civilization	SPAN 4923 Special Topics: Spanish Studies
FREN 4903 Special Topics in French Studies	SPAN 4933 Special Topics: Spanish and American Studies
SPAN 4513 Spanish Civilization	SPAN 4993 Contemporary Hispanic Life and Culture
SPAN 4623 Spanish-American Civilization	

Upper Division English Electives

ENGL 3043 Comparative English Grammar	ENGL 4013 Second Language Acquisition
ENGL 3113 Topics in English Studies	ENGL 4023 Second Language Assessment
ENGL 3583 Shakespeare	ENGL 4033 TESOL Methods and Materials
ENGL 3623 American Literature I	ENGL 4043 World Creation and Design
ENGL 3633 American Literature II	ENGL 4513 Creative Writing – Fiction Emphasis
ENGL 3643 Literary Theory	ENGL 4523 Writing: Special Topics
ENGL 3653 Introduction to English Language Studies	ENGL 4613 African-American Literature
ENGL 3663 Special Topics in Early British Literature (to 1660)	ENGL 4623 British Literature I
ENGL 3673 Special Topics in Later British Literature (since 1660)	ENGL 4633 British Literature II
ENGL 3683 Young Adult Literature	ENGL 4783 American Literature: Topics II
ENGL 3783 American Literature: Topics I	

### Bachelor of Arts – Modern Languages: English (BA)

#### Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	SPCH 1113 Introduction to Public Speaking	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
**FREN 1053 Elementary French I or SPAN 1053 Elementary Spanish I	3	**FREN 1063 Elementary French II or SPAN 1063 Elementary Spanish II	3
GSTD 1002 Freshman Seminar	2	Elective	3
Elective	1		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
FREN 2033 Intermediate French or SPAN 2033 Intermediate Spanish	3	FREN 2043 Intermediate French or SPAN 2043 Intermediate Spanish	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or 2003)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
Minor Requirement or Elective	3	Minor Requirement or Elective	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5 (Even Years)***		Spring - Semester 6 (Odd Years)***	
ENGL 3623 American Literature I	3	ENGL 3633 American Literature II	3
ENGL 3583 Shakespeare	3	UL English Elective	3
ENGL 3103 Advanced Composition	3	UL English Elective	3
Elective	3	Minor Requirement	6
Minor Requirement or Elective	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7 (Odd Years)***		Spring - Semester 8 (Even Years)***	
ENGL 4623 British Literature I	3	ENGL 4633 British Literature II	3
ENGL 3483 Modern World Literature	3	UL English Elective	3
ENGL 3043 Comparative English Grammar	3	ENGL 4701 – Senior Project	1
UL English Elective	3	Electives	6
UL Minor Requirement	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>13</b>

Total hours required for major – 120

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*If necessary as prerequisites for Spanish or French 2033, otherwise electives

\*\*\*The upper division major courses are on a two-year cycle. If a student enters the program in the fall of an odd year, the courses for the junior/senior years will be taken in a different order from above: Semester 7, Semester 8, Semester 5, and Semester 6.

#### Upper Division English Electives

ENGL 3003 Advanced Professional Writing	ENGL 4033 TESOL Methods and Materials
ENGL 3023 Technical Writing	ENGL 4613 African-American Literature
ENGL 3113 Topics in English Studies	ENGL 4513 Creative Writing – Fiction Emphasis
ENGL 3213 Topics in World Literature	ENGL 4523 Writing: Special Topics
ENGL 3223 East Asian Literature in Translation	ENGL 4533 Writing: Special Topics II
ENGL 3643 Literary Theory	ENGL 4543 Creative Writing-Creative Nonfiction
ENGL 3653 Introduction to English Language Studies	ENGL 4783 American Literature: Topics II
ENGL 3663 Special Topics in Early British Literature (to 1660)	ENGL 4503 Creative Writing – Poetry Emphasis
ENGL 3673 Special Topics in Later British Literature (since	ENGL 4683 Introduction to Francophone Literature

1660)	
ENGL 3683 Young Adult Literature	ENGL 4693 Restoration and Eighteenth Century British Literature
ENGL 3783 American Literature: Topics I	ENGL 4783 American Literature: Topics II
ENGL 4013 Second Language Acquisition	ENGL 4791-3 English Internship



**Bachelor of Arts – Modern Languages: English Education (BA)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	EDUC 2003/2000 Introduction to Education/ Lab	3
*FREN 1053 Elementary French I or SPAN 1053 Elementary Spanish I	3	*FREN 1063 Elementary French II or SPAN 1063 Elementary Spanish II	3
GSTD 1002 Freshman Seminar	2	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
Elective	1		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
ENGL 2213 World Literature I	3	ENGL 3633 American Literature II	3
FREN 2033 Intermediate French I or SPAN 2033 Intermediate Spanish I	3	FREN 2043 Intermediate French II or SPAN 2043 Intermediate Spanish II	3
ENGL 2223 World Literature II	3	ENGL 3683 Young Adult Literature	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	EDUC 3013 Educational Psychology	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or 2003)	3	Biological Science choice/Lab (BIOL 1043/1041 or BIOL 1203/1201)	4
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall – Semester 5 (Even Years)**		Spring - Semester 6 (Odd Years)**	
Praxis CORE/Admission to Teacher Education		ENGL 4633 British Literature II**	3
ENGL 4623 British Literature I**	3	S ED 3013 M/M English/Speech**	3
ENGL 3043 Comparative English Grammar	3	S ED 4023 Field Experience II**	3
ENGL 3483 Modern World Literature **	3	UL English Elective	3
EDUC 4273 Classroom and Group Management	3	EDUC 4043 Assessment, Evaluation and Measurement	3
UL English Elective	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Junior/Senior Fall - Semester 7 (Odd Years)**		Spring - Semester 8 (Even Years)**	
ENGL 3623 American Literature I**	3	EDUC 4003 Student Teaching Seminar	3
ENGL 3583 Shakespeare**	3	S ED 4006 Student Teaching in the Secondary School I	6
ENGL 3103 Advanced Composition	3	S ED 4103 Student Teaching in the Secondary School II	3
SPED 4073 Survey of Exceptional Individuals	3		
ENGL 3653 Introduction to English Language Studies**	3		
ENGL 4701 Senior Project	1		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required – 120 \*\*\*NOTE: To be certified, graduates must also pass the Praxis II exams

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*The upper division major courses, listed on following page, are on a two-year cycle. If a student enters the program in the fall of an odd year, the courses for the junior/senior years will be taken in a different order from above: Semester 7, Semester 8, Semester 5, and Semester 6.

Elementary language courses are required only if needed to prepare for the intermediate level.

**Bachelor of Arts – Modern Languages: English - Emphasis in Writing (B.A.)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	SPCH 1113 Introduction to Public Speaking	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
**FREN 1014 Elementary French I or SPAN 1014 Elementary Spanish I	3	**FREN 1024 Elementary French II or SPAN 1024 Elementary Spanish II	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 3		Spring - Semester 4	
ENGL 2213 World Literature I	3	ENGL 2223 World Literature II	3
FREN 2033 Intermediate French or SPAN 2033 Intermediate Spanish	3	FREN 2043 Intermediate French or SPAN 2043 Intermediate Spanish	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003, or SOC 2003)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2133/2131, PHYS 2203/2201)	4	Humanities choice (ART 1103 or ART 2013, HUM 2003, MUS 2013, PHIL 2403, THEA 2003 )	3
Minor Requirement or Elective	3	Minor Requirement or Elective	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5 (Even Years)***		Spring - Semester 6 (Odd Years)***	
Upper Division English elective	3	Upper Division English elective	3
Upper Division English elective	3	Upper Division English-Writing elective	3
Upper Division English-Writing elective	3	Upper Division English -Writing elective	3
Elective	3	Minor Requirement	6
Minor Requirement or Elective	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7 (Odd Years)***		Spring - Semester 8 (Even Years)***	
Upper Division English elective	3	Upper Division English-Writing elective	3
Upper Division English elective	3	Upper Division English elective	3
Upper Division English-writing elective	3	ENGL 4701 – Senior Project	1
Upper Division English-writing elective	3	Electives	10
UL Minor Requirement	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>17</b>

Total hours required for major – 120

\*Note: Must have six hours of history. Three hours must be World History I or II and three hours of U.S. History I or II OR six hours of World History as well as the social science choice - American Government: National.

\*\*if necessary as prerequisites for Spanish or French 2033, otherwise electives

\*\*\*The upper division major courses are on a two-year cycle. If a student enters the program in the fall of an odd year, the courses for the Jr./Sr. years will be taken in a different order from above: Semester 7, Semester 8, Semester 5, and Semester 6.

Upper Division English -Writing Options

ENGL 3003 Advanced Professional Writing	ENGL 4513 Creative Writing Fiction
ENGL 3103 Advanced Composition	ENGL 4523 Writing: Special Topics
ENGL 3243 Theory and practice of Writing	ENGL 4533 Writing: Special Topics II
ENGL 4043 World Creation and Design	ENGL 4543 Creative Writing- Creative Nonfiction
ENGL 4503 Creative Writing Poetry	ENGL 4793 English Internship

Upper Division English Electives

ENGL 3023 Technical Writing	ENGL 3673 Special Topics in Later British Literature (since 1660)
ENGL 3043 Comparative English Grammar	ENGL 3783 American Literature: Topics I
ENGL 3583 Shakespeare	ENGL 4023 Second Language Assessment

ENGL 3653 Introduction to English Language Studies	ENGL 4033 TESOL Methods and Materials
ENGL 3113 Topics in English Studies	ENGL 4013 Second Language Acquisition
ENGL 3213 Topics in World Literature	ENGL 4613 African-American Literature
ENGL 3223 East Asian Lit in Translation	ENGL 4623 British Literature I
ENGL 3623 American Literature I	ENGL 4633 British Literature II
ENGL 3633 American Literature II	ENGL 4683 Introduction to Francophone Literature
ENGL 3643 Literary Theory	ENGL 4783 American Literature: Topics II
ENGL 3663 Special Topics in Early British Literature (to 1660)	

### Bachelor of Arts in Modern Languages: Foreign Language (BA)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
**FREN 1053 Elementary French I	3	**FREN 1063 Elementary French II	3
**SPAN 1053 Elementary Spanish I	3	**SPAN 1063 Elementary Spanish II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
Elective	1	Elective	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	SPCH 1113 Introduction to Public Speaking	3
SPAN 2033 Intermediate Spanish I	3	FREN 2043 Intermediate French II	3
FREN 2033 Intermediate French I	3	SPAN 2043 Intermediate Spanish II	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5 (Even Years)****		Spring - Semester 6 (Odd Years)****	
***SPAN 3993 Advanced Spanish Grammar	3	***SPAN 4623 Spanish-American Civilization	3
UL French Elective	3	UL French Elective	3
Minor Requirement or Elective	3	UL French or Spanish	3
Minor Requirement or Elective	3	UL Minor Requirement or Elective	3
Social Science Choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	Minor Requirement or Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7 (Odd Years)****		Spring - Semester 8 (Even Years)****	
***SPAN 3163 Composition and Conversation	3	***SPAN 4823 Spanish Literature II	3
UL French Elective	3	UL French Elective	3
UL Minor Requirement or Elective	3	Elective	2
UL Minor Requirement or Elective	3	FL 4701 Senior Project	1
FL 4001 Study Abroad/Immersion Experience	1	UL Minor Requirement or Elective	3
Elective	3		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120 (Must have an additional 12 upper division hours in minor or electives beyond those required by major)

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*If needed as prerequisites for FREN/SPAN 2033, otherwise electives

\*\*\*Options among the courses listed as electives are possible—see program description.

\*\*\*\*The upper division major courses, listed on the following page, are on a two-year cycle. If a student enters the program in the fall of an odd year, the courses for the junior/senior years will be taken in a different order from above: Semester 7, Semester 8, Semester 5, and Semester 6.

Spanish/French/Foreign Languages Electives

SPAN 3003 Advanced Spanish for Professions	SPAN 4933 Special Topics: Spanish and American Studies
SPAN 3013 Spanish Translation I	SPAN 4943 Spanish Workshop
SPAN 3023 Spanish Translation II	SPAN 4993 Contemporary Hispanic Life and Culture
SPAN 3173 Advanced Composition and Conversation	FREN 3103 French for Business
SPAN 3183 Spanish American Literature I	FREN 3163 French Conversation and Composition
SPAN 3193 Spanish American Literature II	FREN 3693 French Civilization
SPAN 3323 Spanish-English Interpretation I	FREN 3973 Introduction to French Linguistics
SPAN 3333 Spanish-English Interpretation II	FREN 3981-3 French Internship
SPAN 3873-3883 Spanish Internship I and II	FREN 3993 Advanced French Grammar
SPAN 3973 Hispanic Linguistics	FREN 4283/4293 Survey of French Literature I/II
SPAN 4623 Spanish-American Civilization	FREN 4683 Introduction to Francophone Literature
SPAN 4813 Spanish Literature I	FREN 4903 Special Topics in French Studies
SPAN 4923 Special Topics: Spanish Studies	

### Bachelor of Arts in Modern Languages: Spanish (BA)

Suggested Plan of Study 2020-2021 Catalog

Fall – Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
**SPAN 1053 Elementary Spanish I	3	**SPAN 1063 Elementary Spanish II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
SPCH 1113 Introduction to Public Speaking	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
Elective	1	Elective	1
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall – Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	SPAN 2043 Intermediate Spanish II	3
SPAN 2033 Intermediate Spanish I	3	Minor Requirement or Elective	6
Social Science Choice (ECON 2103 or FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
Minor or Elective	3		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5 (Even Years)****		Spring - Semester 6 (Odd Years)****	
UL Spanish	3	***SPAN 4623 Spanish American Civilization	3
***SPAN 3993 Advanced Spanish Grammar	3	***SPAN 3193 Spanish American Literature II	3
Minor Requirement or Elective	3	UL Minor Requirement or Elective	3
Minor Requirement or Elective	6	Minor Requirement or Elective	6
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7 (Odd Years)****		Spring - Semester 8 (Even Years)****	
***SPAN 3163 Spanish Composition and Conversation	3	***SPAN 4823 Spanish Literature II	3
UL Spanish	3	UL Spanish	3
UL Spanish	3	Minor or Elective	3
UL Minor or Elective	6	FL 4701 Senior Project	1
FL 4001 Study Abroad/Immersion Experience	1	UL Minor Requirement or Elective	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>13</b>

Total hours required for major – 120 (Must have an additional 12 upper division hours in minor or electives beyond those required by major)

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\* If needed for SPAN 2033, otherwise electives.

\*\*\*Options from among electives below are possible. See program description.

\*\*\*\*The upper division major courses are on a two-year cycle. If a student enters the program in the fall of an odd year, the courses for the junior/senior years will be taken in a different order from above: Semester 7, Semester 8, Semester 5, and Semester 6.

#### Upper Division Spanish Electives

SPAN 3003 Advanced Spanish for Professions	SPAN 3883 Spanish Internship II
SPAN 3013 Spanish Translation I	SPAN 3973 Hispanic Linguistics
SPAN 3023 Spanish Translation II	SPAN 4623 Spanish-American Civilization
SPAN 3173 Advanced Composition and Conversation	SPAN 4813 Spanish Literature I
SPAN 3183 Spanish American Literature I	SPAN 4923 Special Topics: Spanish Studies
SPAN 3323 Spanish-English Interpretation I	SPAN 4933 Special Topics: Spanish-American Studies
SPAN 3333 Spanish-English Interpretation II	SPAN 4943 Spanish Workshop
SPAN 3873 Spanish Internship I	SPAN 4993 Contemporary Hispanic Life and Culture

**Bachelor of Arts in Modern Languages: Spanish Education (BA)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I**	3	ENGL 1123 Composition II**	3
**SPAN 1053 Elementary Spanish I	3	**SPAN 1063 Elementary Spanish II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3	EDUC 2003/2000 Introduction to Education /Lab**	3
Elective	1	Elective	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	EDUC 3013 Educational Psychology	3
SPAN 2033 Intermediate Spanish I	3	SPAN 2043 Intermediate Spanish II	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	SPAN 3973 Hispanic Linguistics (E) or SPAN 4623 Spanish American Civilization	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	SPAN 3173 Advanced Composition and Conversation	3
PSYC 2003 General Psychology or PSCI 2003 American Government: National	3	S ED 4023 Field Experience II (E) or EDUC 4043 Assessment, Evaluation and Measurement (O)	3
Praxis I and Admission to Teacher Education			
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5 (Even Years)****		Spring - Semester 6 (Odd Years)****	
SPAN 3163 Composition and Conversation (O) or SPAN 3993 Advanced Spanish Grammar (E)	3	SPAN 3973 Hispanic Linguistics (E) or SPAN 4623 Spanish-American Civilization (O)	3
UL Spanish Elective	3	SPAN 4823 Spanish Literature II (E) or SPAN 3193 Spanish-American Literature II (O)	3
UL Spanish Elective	3	EDUC 3713 Methods and Materials Foreign Language K-12 (E) or Elective (O)	3
SPED 4073 Survey of Exceptional Individuals	3	S ED 4023 Field Experience II (E) or EDUC 4043 Assessment and Measurement (O)	3
EDUC 4273 Classroom and Group Management	3	Electives	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7 (Odd Years)		Spring - Semester 8 (Even Years)	
SPAN 3163 Composition and Conversation (O) or SPAN 3993 Advanced Spanish Grammar (E)	3	EDUC 4003 Student Teaching Seminar	3
FL 4001 Study Abroad/ Immersion Experience	1	S ED 4006 Student Teaching in the Secondary School I	6
UL Spanish Elective	6	S ED 4103 Student Teaching in the Secondary School II	3
Elective	5		
FL 4701 Senior Project	1		
FL 4100 Oral Proficiency Interview	0		
Praxis II/Admission to Student Teaching			
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Note: To be certified, graduates must also pass Praxis II exam.

\*\*Students must earn a "C" or better in these courses, as well as all major courses and education courses. They also must earn a 3.00 GPA overall and in the major.

Elementary language courses are required only if needed for the intermediate level.

The upper division courses are on a two-year cycle. Courses marked (O) are to be taken in odd years; courses marked in (E) are to be taken in even years.

Upper Division Spanish Electives

SPAN 3003 Advanced Spanish for Professions	SPAN 3873 Spanish Internship I
SPAN 3013 Spanish Translation I	SPAN 3883 Spanish Internship II
SPAN 3023 Spanish Translation II	SPAN 4623 Spanish-American Civilization
SPAN 3173 Advanced Composition and Conversation	SPAN 4813 Spanish Literature I
SPAN 3183 Spanish American Literature I	SPAN 4923 Special Topics: Spanish Studies
SPAN 3193 Spanish American Literature I	SPAN 4933 Special Topics: Spanish-American Studies
SPAN 3323 Spanish-English Interpretation I	SPAN 4943 Spanish Workshop
SPAN 3333 Spanish-English Interpretation II	SPAN 4993 Contemporary Hispanic Life and Culture



**Bachelor of Fine Arts in Performing Arts: Music with Studies in Business (BFA)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	***MACP 1101 Class Piano II	1
**MUTH 1093 Fundamentals of Music Theory	3	MUTH 1011 Applied Theory I	1
MA ___ 1002 Primary Instrument	2	MUTH 1003 Written Theory I	3
MUEN 1__1 Music Ensemble	1	MA ___ 1002 Primary Instrument	2
MUED 1000 Concert/Recital Attendance	0	MUEN 1__1 Music Ensemble	1
GSTD 1002 Freshman Seminar	2	MUEN 1__1 Small Music Ensemble	1
***MACP 1001 Class Piano I	1	MULI 1013 Introduction to Music or MUS 2013 Music Appreciation	3
		MUED 1000 Concert/Recital Attendance	0
Total Semester Hours	<b>12- 15</b>	Total Semester Hours	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
MUTH 1103 Written Theory II	3	MUTH 2003 Written Theory III	3
MUTH 1111 Applied Theory II	1	MUTH 2011 Applied Theory III	1
FIN 2003 Personal Finance	3	THEA 2003 Theatre Appreciation	3
***MACP 2001 Class Piano III	1	MA ___ 2002 Primary Instrument	2
MA ___ 2002 Primary Instrument	2	***MACP 2101 Class Piano IV	1
MUEN ___1 Music Ensemble	1	MUEN 1__1 Music Ensemble	1
ART 2013 Art Appreciation or HUM 2003 Film Appreciation	3	MUED 1000 Concert/Recital Attendance	0
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	MUEN 1__1 Small Music Ensemble	1
MUED 1000 Concert/Recital Attendance	0	ECON 2103 Principles of Microeconomics	3
Total Semester Hours	<b>17</b>	Total Semester Hours	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
MUTH 2103 Written Theory IV	3	Biology Science choice/Lab (BIOL 1043/1041 or BIOL 1203/1201)	4
MUTH 2111 Applied Theory IV	1	MUEN 3__1 Music Ensemble	1
World Literature I/II (ENGL 2213 or ENGL 2223)	3	MUED 3002 or 3012 Instrumental or Choral Conducting	2
MUEN 3__1 Music Ensemble	1	MUED 1000 Concert/Recital Attendance	0
MUED 1000 Concert/Recital Attendance	0	ACCT 2003 Principles of Accounting I	3
GBUS 2003 Legal Environment	3	MA ___ 3002 Primary Instrument	2
MA ___ 3002 Primary Instrument	2	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	MUEN 3__1 Small Music Ensemble	1
Total Semester Hours	<b>17</b>	Total Semester Hours	<b>16</b>
Fall - Semester 7		Spring - Semester 8	
MULI 4003 History of Music I	3	MULI 4103 History of Music II	3
ACCT 2103 Principles of Accounting II	3	FIN 3003 Financial Management	3
MUEN 3__1 Music Ensemble	1	UL Music Elective	3
MA ___ 4002 Primary Instrument	2	MUEN 3__1 Music Ensemble	1
UL Music Electives	4	MUEN 3__1 Small Music Ensemble	1
MGMT 3023 Organizational Theory and Behavior	3	MUED 3202 Media Applications: Orchestration & Arranging	2
		MKTG 3033 Principles of Marketing	3
Total Semester Hours	<b>16</b>	Total Semester Hours	<b>16</b>

Total hours required for major – 124

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*Exemption with exam. Fundamentals of Music (MUTH 1093) taken in the first semester of study, is a remedial course. Credit for the course does not count towards the major requirements.

\*\*\*Denotes meeting a piano proficiency requirement, which can be fulfilled by passing the proficiency exam.

However, majors need to take four hours of either piano or another instrument.

Primary Instrument Electives	Major Ensemble Electives
MABS 1001-2002 Bassoon	MUEN 1101, 3101 University Band
MACL 1001-2002 Clarinet	MUEN 1171, 3171 Concert Band
MAEU 1001-2002 Baritone	MUEN 1151, 3151 Symphonic Wind Ensemble
MAFH 1001-2002 French Horn	MUEN 1051, 2051, 3051 Marching Band
MAFL 1001-2002 Flute	MUEN 1061, 3061 Chamber Singers
MAOB 1001-2002 Oboe	MUEN 1071, 3071 Instrumental Ensemble
MAPC 1001-2002 Percussion	MUEN 1081, 3081 Jazz Band
MAPI 1001-2002 Piano	MUEN 1141, 3141 Heritage Singers
MASA 1001-2002 Saxophone	
MATP 1001-1002 Trumpet	
MATR 1001-2002 Trombone	
MATU 1001-2002 Tuba	
MAVC 1001-2002 Voice	

**Bachelor of Fine Arts in Performing Arts: Music Performance, Instrumental (BFA)**  
Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	MA__ 1003 Primary Instrument	3
**MUTH 1093 Fundamental of Music Theory	3	***MACP 1101 Class Piano II	1
MA__ 1003 Primary Instrument	3	MUEN 1__1 Symphonic Wind Ensemble/Concert Band/University Band	1
MUEN 1051 Marching Band	1	MUTH 1003 Written Theory I	3
***MACP 1001 Class Piano I	1	MUTH 1011 Applied Theory I	1
		MULI 1013 Introduction to Music or MUS 2013 Music Appreciation	3
MUED 1000 Concert/Recital Attendance	0	MUED 1000 Concert/Recital Attendance	0
GSTD 1002 Freshman Seminar	2	MUEN 1__1 Small Music Ensemble	1
<b>Total Semester Hours</b>	<b>13- 16</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	ART 2013 Art Appreciation or HUM 2003 Film Appreciation	3
THEA 2003 Theatre Appreciation	3	MUEN 1__1 Symphonic Wind Ensemble/Concert Band/University Band	1
MA__ 2003 Primary Instrument	3	MUTH 2003 Written Theory III	3
***MACP 2001 Class Piano III	1	MUTH 2011 Applied Theory III	1
MUEN 2051 Marching Band	1	MA__ 2003 Primary Instrument	3
MUTH 1103 Written Theory II	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or 2003)	3
MUTH1111 Applied Theory II	1	***MACP 2101 Class Piano IV	1
MUED 1000 Concert/Recital Attendance	0	MUEN 1__1 Small Music Ensemble	1
		MUED 1000 Concert/Recital Attendance	0
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 5		Spring - Semester 6	
MA__ 3003 Primary Instrument	3	MA__ 3003 Primary Instrument	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or PSCI 2003 American Government: National	3	MUED 3202 Media Applications: Orchestration and Arranging or MUED 3012 Instrumental Conducting	2
MUEN 3051 Marching Band	1	MUEN 3__1 Symphonic Wind Ensemble/Concert Band/University Band	1
UL Music Elective	2	MUEN 3__1 Small Music Ensemble	1
MUTH 2103 Written Theory IV	3	UL Music Elective	4
MUTH 2111 Applied Theory IV	1	MUED 1000 Concert/Recital Attendance	0
MUED 1000 Concert/Recital Attendance	0		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	MUED 3202 Media Applications: Orchestration and Arranging or MUED 3012 Instrumental Conducting	3
MULI 4003 History of Music I	3	MUEN 3__1 Small Music Ensemble	1
MUEN 3051 Marching Band	1	MA__ 4003 Primary Instrument	3
MA__ 4003 Primary Instrument	3	MUSR 4000 Senior Recital	0
UL Music Elective	4	MUEN 3__1 Symphonic Wind Ensemble/Concert Band/University Band	1
		MULI 4103 History of Music II	2
		UL Music Elective	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>13</b>

Total hours required for major – 121

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*Exemption with exam. Fundamentals of Music (MUTH 1093) taken in the first semester of study, is a remedial course. Credit for the course does not count towards the major requirements.

\*\*\*Denotes meeting a piano proficiency requirement, which can be fulfilled by passing the proficiency exam.

However, majors need to take four hours of either piano or another instrument.

Primary Instrument Electives	Major Ensemble Electives
MABS 1001-2002 Bassoon	MUEN 1101, 3101 University Band
MACL 1001-2002 Clarinet	MUEN 1171, 3171 Concert Band
MAEU 1001-2002 Baritone	MUEN 1151, 3151 Symphonic Wind Ensemble
MAFH 1001-2002 French Horn	MUEN 1051, 2051, 3051 Marching Band
MAFL 1001-2002 Flute	MUEN 1071, 3071 Instrumental Ensemble
MAOB 1001-2002 Oboe	MUEN 1081, 3081 Jazz Band
MAPC 1001-2002 Percussion	
MASA 1001-2002 Saxophone	
MATP 1001-1002 Trumpet	
MATR 1001-2002 Trombone	
MATU 1001-2002 Tuba	
MAST 1001-2002 Strings	

**Bachelor of Fine Arts in Performing Arts: Music Performance, Vocal (BFA)**

Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	MAVC 1003 Voice	3
**MUTH 1093 Fundamental of Music Theory	3	***MACP 1101 Class Piano II	1
MAVC 1003 Voice	3	MUEN 1141 Heritage Singers	1
MUEN 1141 Heritage Singers	1	MUTH 1003 Written Theory I	3
***MACP 1001 Class Piano I	1	MUTH 1011 Applied Theory I	1
MUED 1000 Concert/Recital Attendance	0	MULI 1013 Introduction to Music or MUS 2013 Music Appreciation	3
GSTD 1002 Freshman Seminar	2	MUED 1000 Concert/Recital Attendance	0
		MUEN 1__1 Small Music Ensemble	1
<b>Total Semester Hours</b>	<b>13-16</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	ART 2013 Art Appreciation or HUM 2003 Film Appreciation	3
THEA 2003 Theatre Appreciation	3	MUEN 1141 Heritage Singers	1
MAVC 2003 Voice	3	MUTH 2003 Written Theory III	3
***MACP 2001 Class Piano III	1	MUTH 2011 Applied Theory III	1
MUEN 1141 Heritage Singers	1	MAVC 2003 Voice	3
MUTH 1103 Written Theory II	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or 2003)	3
MUTH1111 Applied Theory II	1	***MACP 2101 Class Piano IV	1
MUED 1000 Concert/Recital Attendance	0	MUEN 1__1 Small Music Ensemble	1
		MUED 1000 Concert/Recital Attendance	0
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 5		Spring - Semester 6	
MAVC 3003 Voice	3	MAVC 3003 Voice	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or PSCI 2003 American Government: National	3	Foreign Language (Spanish or French)	3
MUEN 3141 Heritage Singers	1	MUEN 3141 Heritage Singers	1
Foreign Language (Spanish or French)	3	MUEN 3__1 Small Music Ensemble	1
MUTH 2103 Written Theory IV	3	MUED 3322 Vocal Pedagogy or MUED 3002 Choral Conducting	2
MUTH 2111 Applied Theory IV	1	MUED 1000 Concert/Recital Attendance	0
MUED 1000 Concert/Recital Attendance	0		
<b>Total Semester Hours</b>	<b>18</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 7		Spring - Semester 8	
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	MUED 3322 Vocal Pedagogy or MUED 3002 Choral Conducting	2
MULI 4003 History of Music I	3	MUEN 3__1 Small Music Ensemble	1
MUEN 3141 Heritage Singers	1	MAVC 4003 Voice	3
MAVC 4003 Voice	3	MUSR 4000 Senior Recital	0
UL Music Elective	2	MUEN 3141 Heritage Singers	1
MUED 3201 Diction for Singers I	1	MULI 4103 History of Music II	2
		MUED 3211 Diction for Singers II	1
		UL Music Elective	3
<b>Total Semester Hours</b>	<b>13</b>	<b>Total Semester Hours</b>	<b>14</b>

Total hours required for major – 121

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*Exemption with exam. Fundamentals of Music (MUTH 1093) taken in the first semester of study, is a remedial course. Credit for the course does not count towards the major requirements.

\*\*\*Denotes meeting a piano proficiency requirement, which can be fulfilled by passing the proficiency exam. However, majors need to take four hours of either piano or another instrument.

Voice Electives

Primary Applied Instruction	Major Ensemble Electives
MAVC 1003-4003 Voice	MUEN 1141, 3141 Heritage Singers
	MUEN 1061, 3061 Chamber Singers

**Bachelor of Fine Arts in Performing Arts: Music Education - Vocal/Keyboard  
(BFA)**

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring – Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	MAVC 1002 Voice	2
**MUTH 1093 Fundamentals of Music Theory	3	MACP 1101 Class Piano II	1
MAVC 1002 Vocal	2	MUTH 1003 Written Theory I	3
MUEN 1141 Heritage Singers	1	MUTH 1011 Applied Theory I	1
MACP 1001 Class Piano I	1	MULI 1013 Introduction to Music or MUS 2013 Music Appreciation	3
MUED 1000 Concert/Recital Attendance	0	MUED 1000 Concert/Recital Attendance	0
GSTD 1002 Freshman Seminar	2	MUEN 1141 Heritage Singers	1
Total Semester Hours	<b>12- 15</b>	Total Semester Hours	<b>14</b>
Fall - Semester 3		Spring – Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	PSYC 2003 General Psychology	3
MAVC 2002 Voice	2	MUTH 2011 Applied Theory III	1
MACP 2001 Class Piano III	1	MUTH 2003 Written Theory III	3
EDUC 2003/2000 Introduction to Education /Lab	3	MAVC 2002 Voice	2
MUTH 1103 Written Theory II	3	SPCH 1113 Introduction to Public Speaking	3
MUTH1111 Applied Theory II	1	MACP 2101 Class Piano IV	1
MUED 1000 Concert/Recital Attendance	0	MUEN 1141 Heritage Singers	1
MUEN 1141 Heritage Singers	1	MUED 1000 Concert/Recital Attendance	0
Total Semester Hours	<b>14</b>	Total Semester Hours	<b>14</b>
Fall - Semester 5		Spring - Semester 6	
MUTH 2103 Written Theory IV	3	EDUC 4023 K-12 Field Experience Level II	3
MUTH 2111 Applied Theory IV	1	MUED 3031 Instrumental Survey	1
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	MUED 3233 Methods and Materials of Choral Music	3
MUEN 3141 Heritage Singers	1	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
MAVC 3002 Voice	2	MUED 3202 Media Applications: Orchestration and Arranging	2
Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4	MUEN 3141 Heritage Singers	1
MUED 1000 Concert/Recital Attendance	0	MAVC 3002 Voice	2
		MUED 1000 Concert/Recital Attendance	0
Total Semester Hours	<b>14</b>	Total Semester Hours	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
THEA 2003 Theatre Appreciation	3	ART 2013 Art Appreciation or HUM 2003 Film Appreciation	3
MAVC 4002 Voice	2	MULI 4103 History of Music II	3
MUEN 3141 Heritage Singers	1	MUEN 3141 Heritage Singers	1
MULI 4003 History of Music I	3	MUSR 4000 Senior Recital	0
EDUC 3013 Educational Psychology	3	MUED 3002 Choral Conducting	2
SPED 4073 Survey of Exceptional Individuals	3	MUED 3052 Methods and Administration of Elementary School Music	2
		Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4
Total Semester Hours	<b>15</b>	Total Semester Hours	<b>15</b>

Fall – Semester 9			
EDUC 4003 Student Teaching Seminar	3		
E ED 4006 Student Teaching in the Elementary School I	6		
S ED 4103 Student Teaching in the Secondary School II	3		
Total Semester Hours	<b>12</b>		

Total hours required for major – 130-134

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

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\*\*Exemption with exam. Fundamentals of Music (MUTH 1093) taken in the first semester of study, is a remedial course. Credit for the course does not count towards the major requirements.



**Bachelor of Fine Arts in Performing Arts: Music Education - Instrumental Music  
(BFA)**

Suggested Plan of Study		2020-2021 Catalog	
<b>Fall - Semester 1</b>		<b>Spring – Semester 2</b>	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	MA__ 1002 Primary Instrument	2
**MUTH 1093 Fundamental of Music Theory	3	***MACP 1101 Class Piano II	1
MA__ 1002 Primary Instrument	2	MUEN 1__1 Symphonic Wind Ensemble/Concert Band/University Band	1
MUEN 1051 Marching Band	1	MUTH 1003 Written Theory I	3
***MACP 1001 Class Piano I	1	MUTH 1011 Applied Theory I	1
MACV 1211 Class Voice	1	MULI 1013 Introduction to Music or MUS 2013 Music Appreciation	3
MUED 1000 Concert/Recital Attendance	0	MUED 1000 Concert/Recital Attendance	0
GSTD 1002 Freshman Seminar	2	MUEN 1071 Instrument Ensemble	1
<b>Total Semester Hours</b>	<b>13- 16</b>	<b>Total Semester Hours</b>	<b>15</b>
<b>Fall - Semester 3</b>		<b>Spring – Semester 4</b>	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	THEA 2003 Theatre Appreciation+	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	MUEN 1__1 Symphonic Wind Ensemble/Concert Band/University Band	1
MA__ 2002 Primary Instrument	2	MUTH 2003 Written Theory III	3
***MACP Class Piano III	1	MUTH 2011 Applied Theory III	1
MUEN 2051 Marching Band	1	MA__ 2002 Primary Instrument	2
MUTH 1103 Written Theory II	3	SPCH 1113 Introduction to Public Speaking	3
MUTH1111 Applied Theory II	1	***MACP Class Piano IV	1
MUED 1000 Concert/Recital Attendance	0	MUEN 1071 Instrument Ensemble	1
EDUC 2003/2000 Introduction to Education/Lab	3	MUED 1000 Concert/Recital Attendance	0
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>15</b>
<b>Fall - Semester 5</b>		<b>Spring - Semester 6</b>	
MUTH 2103 Written Theory IV	3	MA__ 3002 Primary Instrument	2
MUTH 2111 Applied Theory IV	1	ART 2013 Art Appreciation or HUM 2003 Film Appreciation	3
MUED 3__1 String, WW, Br, or Per Methods	1	MUED 3202 Media Applications: Orchestration and Arranging	2
MUEN 3051 Marching Band	1	PSYC 2003 General Psychology	3
MUED 3172 Marching Band Technique	2	MUEN 3071 Instrumental Ensemble	1
MA__ 3002 Primary Instrument	2	MUEN 3__1 Symphonic Wind Ensemble/Concert Band/University Band	1
Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4	MUED 3__1 String, WW, Br, or Per Methods	1
MUED 1000 Concert/Recital Attendance	0	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
		MUED 1000 Concert/Recital Attendance	0
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>16</b>
<b>Fall - Semester 7</b>		<b>Spring - Semester 8</b>	
MA__ 4002 Primary Instrument	2	EDUC 3013 Educational Psychology	3
MUED 3__1 String, WW, Br, or Per Methods	1	MUEN 3071 Instrumental Ensemble	1
MUEN 3051 Marching Band	1	MUSR 4000 Senior Recital	0
MULI 4003 History of Music I	3	MUEN 3__1 Symphonic Wind Ensemble/Concert Band/University Band	1
SPED 4073 Survey of Exceptional Individuals	3	MUED 3__1 String, WW, Br, or Per Methods	1
EDUC 4023 K-12 Field Experience II	3	MUED 3012 Instrumental Conducting	2
MUED 3212 Methods and Materials of Instrumental Music	2	MUED 3052 Methods and Administration of Elementary School Music	2
		MULI 4103 History of Music II	3
		Physical Science choice/Lab	4

		(CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	
Total Semester Hours	<b>15</b>	Total Semester Hours	<b>17</b>
Fall – Semester 9			
EDUC 4003 Student Teaching Seminar	3		
E ED 4006 Student Teaching in the Elementary School I	6		
S ED 4103 Student Teaching in the Secondary School II	3		
Total Semester Hours	<b>12</b>		

Total hours required for major –131-142

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*Exemption with exam. Fundamentals of Music (MUTH 1093) taken in the first semester of study, is a remedial course. Credit for the course does not count towards the major requirements.

\*\*\*The piano requirement is fulfilled by passing the proficiency exam.

### Bachelor of Fine Arts in Musical Theatre (BFA)

Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	THEA 2003 Theatre Appreciation	3
THEA 1013 Acting I	3	THEA 2023 Acting II	3
THEA 1000 Production Run Crew	0	THEA 1000 Production Run Crew	0
MAVC 1001 Voice	1	MAVC 1001 Voice	1
GSTD 1002 Freshman Seminar	2	THEA 2613 Stagecraft	3
MUTH 1113 Theory and Piano Skills for Musical Theatre I	3	MUTH 1123 Theory and Piano Skills for Musical Theatre II	3
THDA 1002 Ballet I or THDA 2002 Modern Dance I	2	THDA 1102 Ballet II or THDA 2102 Modern Dance II	2
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>18</b>
Fall - Semester 3		Spring - Semester 4	
THEA 3763 Script Analysis	3	MAVC 2001 Voice	1
World Literature I/II (ENGL 2213 or ENGL 2223)		THEA 3653 Theatre History II: 1600 to Present	3
THEA 2103 Acting III	3	MUEN 3141 Heritage Singers	1
MUEN 1141 Heritage Singers	1	THEA 2203 Acting IV	3
THEA 3643 Theatre History I: Origins to 1600	3	THDA 1102 Ballet II or THDA 2102 Modern Dance II	2
THDA 1002 Ballet I or THDA 2002 Modern Dance I	2	Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, or PHYS 2203/2201)	4
MAVC 2001 Voice	1		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 5		Spring - Semester 6	
THDA 3002 Jazz Dance I or THDA 4002 Repertory Dance I	2	THDA 3102 Jazz Dance II or THDA 4102 Repertory Dance II	2
Biological Science choice/Lab BIOL 1043/1041 or BIOL 1103/1101	4	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
THEA 3433 Musical Theatre History	3	MAVC 3001 Voice	1
ART 2013 Art Appreciation or HUM 2003 Film Appreciation	3	THEA 3523 Musical Theatre Performance II	3
MAVC 3001 Voice	1	THEA 3663 Performance in Shakespeare	3
THEA 3513 Musical Theatre Performance I	3		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>12</b>
Fall - Semester 7		Spring - Semester 8	
MAVC 4001 Voice	1	THEA 3533 Business of Acting	3
THDA 3002 Jazz Dance I or THDA 4002 Repertory Dance I	2	MAVC 4001 Voice	1
THEA 4513 Musical Theatre Performance III	3	THDA 3102 Jazz Dance II or THDA 4102 Repertory Dance II	2
THEA 3423 Dialects and Accents	3	THDA 4523 Musical Theatre Performance IV	3
HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	MUS 2013 Music Appreciation or MULI 1013 Introduction to Music	3
HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

### Bachelor of Fine Arts in Theatre (BFA)

#### Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National OR ART 1023 Three Dimensional Design	3
THEA 1013 Acting I or THEA 2633 Fundamentals of Acting	3	THEA 2023 Acting II or THEA 2623 Drafting for Entertainment Design	3
THEA 2003 Theatre Appreciation or ART 1013 Drawing I	3	ART 2013 Art Appreciation or HUM 2003 Film Appreciation	3
THEA 1000 Production Run Crew	0	THEA 2613 Stagecraft	3
THEA 2013 Movement for Actors or ART 1043 Two-Dimensional Design	3	THEA 1000 Production Run Crew	0
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
THEA 2603 Improvisation or ART 2123 Graphic Software Applications	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
THEA 2103 Acting III or ART 2143 Art History I	3	Theatre Elective or THEA 4613 Scenic Design I	3
THEA 3643 Theatre History I: Origins to 1600 or THEA 3653 Theatre History II: 1600 to Present	3	THEA 2003 Theatre Appreciation or Theatre Elective	3
THEA 3763 Script Analysis	3	THEA 2203 Acting IV or ART 3123 Art History II	3
THEA Elective or THEA 2503 Fundamentals of Entertainment Design	3	Theatre Elective or THEA 2513 Costume Design I	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
THEA 3643 Theatre History I: Origins to 1600 or THEA 3653 Theatre History II: 1600 to Present	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	UL Theatre elective or ART 4033 History of Modern Art	3
Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	UL Theatre Elective or HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
UL Theatre Elective or WELD 1003 Welding Skills Development or ART 3543 Figure Drawing	3	THEA 4633 Directing	3
UL Theatre Elective	3		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>13</b>
Fall - Semester 7		Spring - Semester 8	
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	MUS 2013 Music Appreciation or MULI 1013 Introduction to Music	3
UL Theatre Elective	3	UL Theatre Elective	3
UL Theatre Elective	3	UL Theatre Elective	3
UL Theatre Elective	3	UL Theatre Elective	3
UL Theatre Elective	3	THEA 4922 Project in Theatre	2
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>14</b>

Total hours required for major – 120

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

**Bachelor of Arts in Mass Communication with an emphasis in Mass Media (BA)**

Suggested Plan of Study

2020-2021 Catalog

Fall – Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045, MATH 1053 or MATH 1525)	3	Biology Science choice/Lab (BIOL 1043/1041 or BIOL 1203/1201)	4
SPCH 1113 Introduction to Public Speaking	3	Fine Arts/Humanities (ART 2013, HUM 2003, MUS 2003 or MUS 2013, or THEA 2003)	3
HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
MCOM 1003 Introduction to Mass Communication	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, SOC 1003 or SOC 2003)	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall – Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
Foreign Language	3	Foreign Language	3
PSYC 2003 General Psychology	3	DC 2333 Fundamentals of Digital Cinema	3
MM 2003 Reporting and Writing for the Mass Media	3	Physical Science choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4
MCOM 2133 Basic Digital Photography	3	Minor Elective or Upper Level Elective or Upper Level Mass Media Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall – Semester 5		Spring – Semester 6	
2 <sup>nd</sup> Year Foreign Language or ENGL 3103 Advanced Composition, or Upper Level Humanities	3	2 <sup>nd</sup> Year Foreign Language or ENGL 3003 Advanced Professional Writing, or Upper Level Humanities	3
MCOM 3363 Advanced Digital Photography or SPCH 3123 Advanced Public Speaking Fine	3	Arts/Humanities (ART 2013, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
MM 4123 International Mass Media	3	Upper Level Mass Media Elective	3
MM 3103 Principles of Public Relations	3	MM 3123 Internet Communications	3
MKTG 3033 Principles of Marketing or PSCI 3033 American Political Parties or PSCI 3243 Modern American Politics	3	Minor Elective, Upper Level Elective, Upper Level Mass Media Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall – Semester 7		Spring - Semester 8	
MCOM 4003 Media Law and Ethics	3	Minor Elective, Upper Level Elective, Upper Level Mass Media Elective	3
Minor Elective, Upper Level Elective, Upper Level Mass Media Elective	3	Minor Elective, Upper Level Elective, Upper Level Mass Media Elective	1
Minor Elective, Upper Level Elective, Upper Level Mass Media Elective	3	Minor Elective, Upper Level Elective, Upper Level Mass Media Elective	3
Minor Elective, Upper Level Elective, Upper Level Mass Media Elective	3	Minor Elective, Upper Level Elective, Upper Level Mass Media Elective	1
Elective	2	Elective/ Senior Capstone	4
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*MATH 0051 Mathematical Literacy Lab is a co-requisite for MATH 1053 Mathematical Literacy for students with a MATH ACT of 17 or below.

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

## College of Science and Engineering

Dr. Abdel Bachri, Dean

The College of Science and Engineering is divided into six departments: Agriculture; Biochemistry and Chemistry; Biology; Engineering and Physics; Mathematics and Computer Science; and Nursing. These departments offer a variety of programs leading to baccalaureate and associate degrees. The college also contributes to the general education of those students majoring outside of the College of Science and Engineering. The Center of Teaching Excellence in Math and Science, coordinated by the college, provides outreach programs and support for the public schools with the general service region of southwest Arkansas.

The mission of the college is to educate students in the natural sciences, physical sciences, mathematics, computer science, agriculture, and nursing to prepare them to enter industrial, governmental, and professional careers as well as advanced degree.

### 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 College of Science and Engineering must:

1. Comply with the general regulations governing baccalaureate degrees;
2. Complete a minimum of 120 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 nursing programs require higher grade point averages.)

### Policy for double counting CSE course credits

Double majors within the College of Science and Engineering must take at least 15 hours of CSE credits that are exclusive to each major degree plan. Minors within the College of Science and Engineering must include at least 9 hours of CSE courses that are not already counted towards the major.

### 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 website under Academics and Assessment.

### Pre-Professional 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 pre-professional areas, students should consult the dean of the College of Science and Engineering for an advisor. *Typically, students will major in biology pre-health or*

*chemistry pre-health biochemistry or agricultural science for the pre-professional studies above.*

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 college algebra, trigonometry, at least two to three years of biology, one year of college physics, and one to three years of college chemistry. 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 professional exams such as the MCAT, DAT, VCAT, OPAT, GRE, or PCAT admissions examinations.

Completion of these pre-professional programs does not assure admittance to any clinical program or professional school.

## Department of Agriculture

Jeffry Miller, PhD, Chair

The Department of Agriculture offers programs leading to the associate of applied science and Bachelor of Science degrees in agricultural business, agricultural education, and agricultural science.

### Agriculture (AS)

62 hours

The associate of science program is designed to fulfill the needs of students desiring to prepare themselves for positions in a field of agriculture that does not necessarily require a bachelor's degree.

Students earning the A.S. degree with a major in agricultural science complete 62 hours, including the following specific requirements:

#### University Requirement - 2 hours

GSTD	1002	Freshman Seminar
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**General Education\*** - 27 hours (Natural science and physical science courses are included in the major.)

\* Social Science requirement - AGEC 2073 Principles of Agricultural Economics

#### Biological Science - 4 hours

BIOL	1203/1201	Principles of Biology I/Lab
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#### Chemistry - 4 hours

CHEM	1013/1011	College Chemistry I/Lab
CHEM	1023/1021	University Chemistry I/Lab

#### Agriculture Curriculum - 25 hours

ANSC	1003/1001	Introduction to Animal Science/Lab
ANSC	2002/2001	Animal Nutrition I/Lab
ANSC	2013	Animal Anatomy and Physiology
PLSC	1003	Introduction to Plant Science
PLSC	2002/2001	Principles of Horticulture/Lab
PLSC	2012/2011	Soils Science/Lab
PLSC	2022/2021	Elements of Forestry/Lab

#### Select three hours from the following:

AGED	2001/2002	Agricultural Power: Electricity and Small Engines/Lab
AGED	2011/2012	Agricultural Structures/Lab
AGED	2021/2022	Agricultural Metals/Lab

### Major in Agricultural Business (BS)

120 hours

Students who desire a career in businesses that are involved in agriculture should pursue a degree in agricultural business. This degree provides students with a core set of business classes while providing education in the basic principles of animal and plant sciences, preparing students for careers in the various aspects of agribusiness including agricultural marketing, agricultural finance, international agricultural business, sales and services, or management of agricultural business.



**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education\*** - 27 hours (Natural science and physical science courses are included in the major.)

\*Social Science requirement - AGEC 2073 Principles of Agricultural Economics

**Biological Science - 4 hours**

BIOL	1203/1201	Principles of Biology I/Lab
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**Chemistry - 4 hours**

CHEM	1013/1011	College Chemistry I/Lab
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CHEM	1023/1021	University Chemistry I/Lab
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**Agricultural Core - 25 hours**

AGEC	3043	Farm Management
AGRI	4033	Issues in Agriculture
ANSC	1000	Farm Experience
ANSC	1003/1001	Introduction to Animal Science/Lab
ANSC	2002/2001	Animal Nutrition I/Lab
ANSC	2013	Animal Anatomy and Physiology
PLSC	1003	Introduction to Plant Science
PLSC	2002/2001	Principles of Horticulture/Lab
PLSC	2012/2011	Soils Science/Lab

**Agricultural Business Core - 40 hours**

AGEC	2103	Agribusiness Financial Statements and Planning
AGEC	3003	Marketing of Agricultural Products
AGEC	3033	Agricultural Futures and Options
AGEC	3063	Agricultural Data Management and Analysis
AGEC	3083	Agribusiness Entrepreneurship
AGEC	4013	International Business in Agriculture
AGEC	4023	Agribusiness Management
AGEC	4043	Agricultural Finance
AGED	3003	Leadership and Communications

Select three hours from the following:

AGEC	4053	Agricultural Policies and Problems
AGEC	4063	Risk Management in Agriculture

Select seven hours from the following:

AGEC	4501-4503	Special Problems in Agricultural Business
AGRI	4452/4551	Internship in Agriculture I and II
ANSC	3103/3101	Ruminant Animal Production/Lab
ANSC	3113/3111	Non-Ruminant Animal Production/Lab
PLSC	3032/3031	Greenhouse Management/Lab

Select three hours from the following:

AGED	2001/2002	Agricultural Power: Electricity and Small Engines/Lab
AGED	2011/2012	Agricultural Structures/Lab
AGED	2021/2022	Agricultural Metals/Lab

**Business Core - 18 hours**

ACCT	2113	Survey of Accounting
ECON	2203	Principles of Macroeconomics
GBUS	2003	Legal Environment of Business
GBUS	2013	Quantitative Analysis I
MGMT	2003	Business Communications
MGMT	3023	Organizational Theory and Behavior

### **Agricultural Education**

Students working in or teaching agriculture at the middle school or secondary education levels, the cooperative extension service, or related fields may wish to major in 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 (BS) degree in agricultural education, the student must earn a grade point average of 2.50 or higher in all agriculture courses, complete the courses listed in the degree plan, and fulfill the requirements listed in the section of this catalog for the College of Education for admittance to and completion of a program of professional education.

### **Major in Agricultural Education (BS)**

120 hours

#### **Educator Preparation Provider (EPP) Conceptual Framework: *Attaining Educational Achievement through Collaboration and Reflection***

The mission of the education Educator Preparation Program is to prepare candidates who attain educational achievement through collaboration and reflection. To that end the education preparation program (including content departments), collaborates with K-12 schools, Educational Service Cooperatives, Educational Renewal Zones and other local, state, and national organizations to inculcate high standards of educational achievement for all students. The program engages pre-service and in-service teachers, administrators, counselors and other educators to excel in teaching, leadership, scholarship and service.

The EPP holds the established dispositions, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

The EPP holds the established competencies, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

Graduation with an education minor requires admission to the Teacher Education Program.

#### **University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education\*** - 27 hours (Natural science and physical science courses are included in the major.)

\*Social Science requirement - AGEC 2073 Principles of Agricultural Economics

#### **Biological Science - 4 hours**

BIOL	1203/1201	Principles of Biology I/Lab
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#### **Chemistry - 4 hours**

CHEM	1013/1011	College Chemistry I/Lab
CHEM	1023/1021	University Chemistry I/Lab

**Agricultural Core - 25 hours**

AGEC	3043	Farm Management
AGRI	4033	Issues in Agriculture
ANSC	1000	Farm Experience
ANSC	1003/1001	Introduction to Animal Science/Lab
ANSC	2002/2001	Animal Nutrition I/Lab
ANSC	2013	Animal Anatomy and Physiology
PLSC	1003	Introduction to Plant Science
PLSC	2002/2001	Principles of Horticulture/Lab
PLSC	2012/2011	Soils Science/Lab

**Mechanical Technology - 9 hours**

AGED	2001/2002	Agriculture Power: Electricity and Small Engines/Lab
AGED	2011/2012	Agricultural Structures/Lab
AGED	2021/2022	Agricultural Metals/Lab

**Animal Science – 10 hours**

PLSC	2022/2021	Elements of Forestry/Lab
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Select seven hours from the following:

AGRI	4452/4551	Internship in Agriculture I and II
ANSC	3103/3101	Ruminant Animal Production/Lab
ANSC	3113/3111	Non-Ruminant Animal Production/Lab
PLSC	3032/3031	Greenhouse Management/Lab

**Education – 39 hours**

AGED	2000	Agricultural Education Field Experience, Level I Lab
AGED	2003	Introduction to Agricultural Education
AGED	3003	Leadership and Communications
AGED	4001	Classroom & Group Management in Agricultural Education
AGED	4002	Supervised Field Experience II
AGED	4013	Methods in Agricultural Education
AGED	4023	Program Development
AGED	4032/4031	Teaching and Learning in Agricultural Mechanics /Laboratory
AGED	4042/4041	Teaching and Learning in Agricultural Education Laboratories/Laboratory
EDUC	3013	Educational Psychology
SPED	4073	Survey of Exceptional Individuals
EDUC	4003	Student Teaching Seminar
S ED	4006	Student Teaching in the Secondary School I
S ED	4103	Student Teaching in the Secondary School II

**Major in Agricultural Science with Animal Science Option (BS)**

121 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education\*** - 27 hours (Natural science and physical science courses are included in the major.)

\*Social Science requirement - AGEC 2073 Principles of Agricultural Economics

**Biological Science** - 16 hours

BIOL	1203/1201	Principles of Biology I/Lab
BIOL	1213/1211	Principles of Biology II/Lab
BIOL	3023/3021	Microbiology/Lab
BIOL	3033/3031	Genetics/Lab

**Chemistry** - 8 hours

CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab

**Agricultural Core** - 28 hours

AGEC	3043	Farm Management
AGRI	4033	Issues in Agriculture
ANSC	1000	Farm Experience
ANSC	1003/1001	Introduction to Animal Science/Lab
ANSC	2002/2001	Animal Nutrition I/Lab
ANSC	2013	Animal Anatomy and Physiology
PLSC	1003	Introduction to Plant Science
PLSC	2002/2001	Principles of Horticulture/Lab
PLSC	2012/2011	Soils Science/Lab
PLSC	2022/2021	Elements of Forestry/Lab

**Agricultural Science** - 40 hours

AGEC	3003	Marketing of Agricultural Products
AGED	3003	Leadership and Communications
ANSC	3013	Animal Diseases and Health
ANSC	3023	Animal Nutrition II
ANSC	3042/3041	Animal Reproductive Physiology/Lab
ANSC	3053	Animal Breeding
ANSC	4003	Advanced Animal Physiology
PLSC	3013	Forage Production
PLSC	3073/3071	Entomology/Lab

Select nine hours from the following:

AGRI	4452/4551	Internship in Agriculture I and II
ANSC	4102/4101	Beef Production/Lab
ANSC	4122/4121	Swine Production/Lab
ANSC	4132/4131	Poultry Production/Lab
ANSC	4501-4503	Special Problems in Animal Science

Select three hours from the following:

AGED	2001/2002	Agricultural Power: Electricity and Small Engines/Lab
AGED	2011/2012	Agricultural Structures/Lab
AGED	2021/2022	Agricultural Metals/Lab

**Major in Agricultural Science with Plant Science Option (BS)**

122 hours

**University Requirement** - 2 hours

GSTD 1002 Freshman Seminar

**General Education\*** - 27 hours (Natural science and physical science courses are included in the major.)

\*Social Science requirement - AGEC 2073 Principles of Agricultural Economics

**Biological Science** - 16 hours

BIOL	1203/1201	Principles of Biology I/Lab
BIOL	1213/1211	Principles of Biology II/Lab
BIOL	3023/3021	Microbiology/Lab
BIOL	3033/3031	Genetics/Lab

**Chemistry** - 8 hours

CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab

**Agricultural Core** - 25 hours

AGEC	3043	Farm Management
AGRI	4033	Issues in Agriculture
ANSC	1000	Farm Experience
ANSC	1003/1001	Introduction to Animal Science/Lab
ANSC	2002/2001	Animal Nutrition I/Lab
ANSC	2013	Animal Anatomy and Physiology
PLSC	1003	Introduction to Plant Science
PLSC	2002/2001	Principles of Horticulture/Lab
PLSC	2012/2011	Soils Science/Lab

**Agricultural Science** - 44 hours

AGEC	3003	Marketing of Agricultural Products
AGED	3003	Leadership and Communications
PLSC	2022/2021	Elements of Forestry/Lab
PLSC	3013	Forage Production
PLSC	3083/3081	Plant Physiology/Lab
PLSC	3042/3041	Advanced Soil Science/Lab
PLSC	3073/3071	Entomology/Lab
PLSC	4002/4001	Weed Science/Lab

15 hours from the following:

AGRI	4452/4551	Internship in Agriculture I and II
ANSC	3103/3101	Ruminant Animal Production/Lab
ANSC	3113/3111	Non-Ruminant Animal Production/Lab
BIOL	4013/4011	Ecology/Lab
PLSC	3032/3031	Greenhouse Management/Lab
PLSC	4022/4021	Plant Pathology/Lab
PLSC	4033	Agronomic Production
PLSC	4043	Plant Breeding
PLSC	4501-4503	Special Problems in Plant Science

Select three hours from the following:

AGED	2001/2002	Agricultural Power: Electricity and Small Engines/Lab
AGED	2011/2012	Agricultural Structures/Lab
AGED	2021/2022	Agricultural Metals/Lab

### Major in Agricultural Science with Poultry Science Option (BS)

120 hours

#### University Requirement - 2 hours

GSTD 1002 Freshman Seminar

**General Education\*** - 27 hours (Natural science and physical science courses are included in the major.)

\*Social Science requirement - AGEC 2073 Principles of Agricultural Economics

#### Biological Science - 16 hours

BIOL 1203/1201 Principles of Biology I/Lab  
BIOL 1213/1211 Principles of Biology II/Lab  
BIOL 3023/3021 Microbiology/Lab  
BIOL 3033/3031 Genetics/Lab

#### Chemistry - 8 hours

CHEM 1023/1021 University Chemistry I/Lab  
CHEM 1123/1121 University Chemistry II/Lab

#### Agricultural Core - 28 hours

ANSC 1000 Farm Experience  
AGEC 3043 Farm Management  
AGRI 4033 Issues in Agriculture  
ANSC 2002/2001 Animal Nutrition I/Lab  
ANSC 2013 Animal Anatomy and Physiology  
PLSC 1003 Introduction to Plant Science  
PLSC 2002/2001 Principles of Horticulture/Lab  
PLSC 2012/2011 Soils Science/Lab  
PLSC 2022/2021 Elements of Forestry/Lab  
POSC 1003/1001 Introduction to Poultry Science/Lab

#### Agricultural Science - 39 hours

AGEC 3003 Marketing of Agricultural Products  
AGEC 3033 Agricultural Futures and Options  
AGEC 4023 Agribusiness Management  
ANSC 3053 Animal Breeding  
ANSC 4003 Advanced Animal Physiology  
POSC 3013 Poultry Diseases and Health  
POSC 3023 Poultry Nutrition  
POSC 3042/3041 Egg and Meat Technology/Lab  
POSC 4003 Avian Anatomy and Physiology  
POSC 4132/4131 Poultry Production/Lab  
POSC 4152/4151 Poultry Breeder Management/Lab

#### Select 3 hours from the following:

AGRI 4452/4551 Internship in Agriculture I and II  
ANSC 4501-3 Special Problems in Animal Science

#### Select three hours from the following:

AGED 2001/2002 Agricultural Power: Electricity and Small Engines/Lab  
AGED 2011/2012 Agricultural Structures/Lab  
AGED 2021/2022 Agricultural Metals/Lab

**Major in Agricultural Science with Pre-Veterinary Option (BS)**  
127 hours

**University Requirement** - 2 hours

GSTD	1002	Freshman Seminar
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**General Education\*** - 24 hours (Mathematics, natural science and physical science courses are included in the major.)

\*Social Science requirement - AGEC 2073 Principles of Agricultural Economics

**Biological Science** - 19 hours

BIOL	1203/1201	Principles of Biology I/Lab
BIOL	1213/1211	Principles of Biology II/Lab
BIOL	2403	Medical Terminology
BIOL	3023/3021	Microbiology/Lab
BIOL	3033/3031	Genetics/Lab

**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	3073/3071	Biochemistry I/Lab

**Physics** - 8 hours

PHYS	2003/2001	College Physics I/Lab
PHYS	2103/2101	College Physics II/Lab

**Mathematics** - 6 hours

MATH	1023	College Algebra
MATH	3043	Applied Probability and Statistics I

**Communications** - 3 hours

SPCH	1113	Introduction to Public Speaking
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**Agricultural Core** – 25 hours

AGEC	3043	Farm Management
AGRI	4033	Issues in Agriculture
ANSC	1000	Farm Experience
ANSC	1003/1001	Introduction to Animal Science/Lab
ANSC	2002/2001	Animal Nutrition I/Lab
ANSC	2013	Animal Anatomy and Physiology
PLSC	1003	Introduction to Plant Science
PLSC	2002/2001	Principles of Horticulture/Lab
PLSC	2012/2011	Soils Science/Lab

**Agricultural Science** - 24 hours

ANSC	3013	Animal Diseases and Health
ANSC	3023	Animal Nutrition II
ANSC	3042/3041	Animal Reproductive Physiology/Lab
ANSC	3053	Animal Breeding
ANSC	4003	Advanced Animal Physiology
PLSC	3013	Forage Production

Select six hours from the following:

ANSC	4102/4101	Beef Production/Lab
ANSC	4122/4121	Swine Production/Lab
ANSC	4132/4131	Poultry Production/Lab
AGRI	4452/4551	Internship in Agriculture I and II

**Minor in Animal Science** - 22 hours

Students who are interested in integrating various areas of livestock production will complete 22 hours to be selected from the following:

ANSC	1003/1001	Introduction Animal Science/Lab
ANSC	2002/2001	Animal Nutrition I/Lab
ANSC	3013	Animal Diseases and Health
ANSC	3042/3041	Animal Reproductive Physiology/Lab
ANSC	3053	Animal Breeding

6 hours of animal science electives chosen from:

ANSC	4102/4101	Beef Production/Lab
ANSC	4122/4121	Swine Production/Lab
ANSC	4132/4131	Poultry Production/Lab

**Minor in Horticulture** – 21 hours

Students who are interested in working and connecting with the various areas of horticulture will complete 21 semester hours to be selected from the following:

BIOL	3183/3181	Botany/Lab
<b>or</b>		
BIOL	3303/3301	Systematic Botany/Lab
PLSC	2002/2001	Principles of Horticulture/Lab
PLSC	2012/2011	Soils Science/Lab
PLSC	3032/3031	Greenhouse Management/Lab
PLSC	3073/3071	Entomology/Lab (same as BIOL 3073/3071)
PLSC	3083/3081	Plant Physiology/Lab (same as BIOL 3083/3081)

**Minor in Plant Science** – 21 hours

Students interested in working/researching in the various areas of plant production will complete 21 hours from the following:

BIOL	3183/3181	Botany/Lab
<b>or</b>		
BIOL	3303/3301	Systematic Botany/Lab
PLSC	1003	Introduction to Plant Science
PLSC	2012/2011	Soils Science/Lab
PLSC	3013	Forage Production
PLSC	3073/3071	Entomology/Lab (same as BIOL 3073/3071)
PLSC	3083/3081	Plant Physiology/Lab (same as BIOL 3083/3081)



## **Department of Biochemistry and Chemistry**

Tim Schroeder, PhD, Chair

The Department of Biochemistry and Chemistry offers majors in chemistry with a traditional focus option in science as well as focus options in pre-health professional biochemistry, entrepreneurship, environmental science, forensic science, and medical laboratory science. The pre-health professional biochemistry option is especially designed for pre-medical, pre-pharmacy, and can be used as an alternative pathway to medical laboratory science and other related fields. An associate degree in chemistry is also available. The associate degree in chemistry is intended for students that wish to pursue careers chemical industry or related fields at the entry position level or for those seeking an additional chemistry credential.

**Chemistry** The chemistry program offers an up-to-date curriculum which leads to the Associate of Science degree (AS) as well as the Bachelor of Science (BS) degree for those students wishing to major in chemistry as well as students interested in pre-health fields such as pharmacy, medicine, dentistry or medical laboratory science. Students planning to pursue graduate work in chemistry or closely related fields are advised to choose the science focus option and to take as many mathematics, physics, and computer science classes as their curricula will allow. Students interested in graduate work in biochemistry, molecular biology, or similar fields are encouraged to consider the pre-health professional biochemistry focus option and enrich their degree by taking as many biology classes as their curricula will allow. Pre-health professional biochemistry is the recommended focus option for students interested in pursuing professional careers in the health sciences such as pharmacy, medicine, optometry, dentistry, and paramedical fields. Students choosing this pathway should take as many biology classes as their curricula permits.

Undergraduate research is an integral part of the chemistry degree curriculum. The department offers numerous opportunities for students to participate in undergraduate research projects, both those that are designed by their mentor as well as projects that are self-designed to meet the needs and desires of the student. Degrees in chemistry have a required research component and students can choose from a variety of different research areas as they work with their faculty mentors. In tandem with the Department of Biochemistry and Chemistry, the Natural Resources Research Center (NRRC) is a dedicated research space serving both the University as well as the community. The NRRC is equipped with instrumentation that meets or exceeds the current industry standards. Once trained, students take ownership of their own research projects and use the equipment, collect and process their data, and present their findings.

**Note:** Students are required to wear, at all times and with no exceptions, safety glasses and aprons or coats when in the laboratory.

### **Chemistry - Associate of Science (AS)**

60 hours

The associate of science in chemistry program is designed to fulfill the needs of students desiring to prepare themselves for positions in a field of chemical industry and/or related areas. The degree can be used for the first two years of a degree plan for any of the chemistry bachelor degrees at SAU. Students completing this program will be prepared to fulfill positions in chemical industry that do not require a four-year degree.

#### **University Requirement - 2 hours**

GSTD                      1002                      Freshman Seminar

**General Education** - 24 hours (Mathematics, natural science and physical science courses are included in the major.)

**Biological Science** - 4 hours

BIOL 1203/1201 Principles of Biology I/Lab

**Chemistry Curriculum** - 20 hours

CHEM 1501 Background and Strategies in Chemistry  
CHEM 1023/1021 University Chemistry I/Lab  
CHEM 1123/1121 University Chemistry II/Lab  
CHEM 2012/2001 Analytical Chemistry /Lab  
CHEM 3003/3001 Organic Chemistry I/Lab  
CHEM 3103/3101 Organic Chemistry II/Lab

**Mathematics** - 5 hours

MATH 1045 Pre-Calculus\*  
MATH 1525 Calculus I

(\*Taking both MATH 1023 College Algebra and MATH 1033 Plane Trigonometry is equivalent to MATH 1045 Pre-Calculus.)

**Electives** - 5 hours from Science and Engineering

**Major in Chemistry (BS) - Science Option**

120 hours

**University Requirement** - 2 hours

GSTD 1002 Freshman Seminar

**General Education** - 24 hours (Mathematics, natural science and physical science courses are included in the major.)

**Biology** - 4 hours

BIOL 1203/1201 Principles of Biology I/Lab

**Chemistry** – 49 hours

CHEM 1501 Background and Strategies in Chemistry  
CHEM 1023/1021 University Chemistry I/Lab  
CHEM 1123/1121 University Chemistry II/Lab  
CHEM 2012/2001 Analytical Chemistry/Lab  
CHEM 3003/3001 Organic Chemistry I/Lab  
CHEM 3103/3101 Organic Chemistry II/Lab  
CHEM 3073 Biochemistry I  
CHEM 3233 Intermediate Inorganic Chemistry  
CHEM 3313/3311 Instrumentation I/Lab  
CHEM 4313/4311 Instrumentation II/Lab  
CHEM 4403/4401 Physical Chemistry: Thermodynamics/Lab  
CHEM 4413/4411 Physical Chemistry: Quantum and Kinetics/Lab  
CHEM 4051 Senior Seminar-Chemistry  
CHEM 4701-3 Undergraduate Research\*

\*Three research hours required. American Chemical Society certified BS Chemistry degrees require 3 hours of research credit, which may be obtained at SAU or through another advisor-approved research activity or program

Select 1 hour from the following:

CHEM	3071	Biochemistry I Lab
CHEM	3231	Intermediate Inorganic Chemistry Lab

2 or more hours selected from the following:

CHEM	4013	Advanced Organic Chemistry
CHEM	4033	Advanced Inorganic Chemistry
CHEM	4073	Biochemistry II
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

**Physics** - 8 hours

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

**Mathematics** - 18 hours

MATH	1045	Pre-Calculus Mathematics**
MATH	1525	Calculus I
MATH	1545	Calculus II
MATH	2563	Calculus III

(\*\*Taking both MATH 1023 College Algebra and MATH 1033 Plane Trigonometry is equivalent to MATH 1045 Pre-Calculus.)

**Other Requirements** - 6 hours

ENGL	3003	Advanced Professional Writing
SPCH	1113	Introduction to Public Speaking

**Electives** - 9 hours

University electives may be used but not exceed 6 hours of the 9 total elective hours.  
College of Science and Engineering electives 4-9 hours.

Student may need additional upper-level hours to complete the required 40 junior/senior hours.

No minor is required in this major.

**Major in Chemistry (BS)**  
**Pre-Health Professional-Biochemistry Option**  
120 hours

**University Requirement** - 2 hours

GSTD	1002	Freshman Seminar
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**General Education** - 24 hours (Mathematics, natural science and physical science courses are included in the major.)

**Chemistry** - 42 hours

CHEM	1501	Background and Strategies in Chemistry
CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab
CHEM	2012/2001	Analytical Chemistry/Lab
CHEM	3003/3001	Organic Chemistry I/Lab
CHEM	3103/3101	Organic Chemistry II/Lab
CHEM	3073/3071	Biochemistry I/Lab

CHEM	4073	Biochemistry II
CHEM	4051	Senior Seminar-Chemistry
CHEM	4403	Physical Chemistry: Thermodynamics

3 hours chemistry elective\*\*

4 hours upper level chemistry elective\*\*

Select 4 hours from:

CHEM	3313/3311	Instrumentation I/Lab
CHEM	4313/4311	Instrumentation II/Lab

**Biology** - 24 hours

BIOL	1203/1201	Principles of Biology I/Lab
BIOL	1213/1211	Principles of Biology II/Lab
BIOL	3023/3021	Microbiology/Lab

8 hours BIOL electives\*\*

4 hours upper level BIOL electives\*\*

**Mathematics** - 10 hours

MATH	1045	Pre-Calculus Mathematics*
MATH	1525	Calculus I

(\*Taking both MATH 1023 College Algebra and MATH 1033 Plane Trigonometry is equivalent to MATH 1045 Pre-Calculus Mathematics.)

\*\* Pre-professional Students such as Pre-Pharmacy and Pre-Medicine should consult with their advisor and review the admission requirements of their desired program.

**Physics** - 8 hours

PHYS	2003/2001	College Physics I/Lab
PHYS	2103/2101	College Physics II/Lab

**or**

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

**Science** - 1 hour

SCI	3101	Pre-Health Colloquium
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**Other Requirements** - 6 hours

ENGL	3003	Advanced Professional Writing
SPCH	1113	Introduction to Public Speaking

**Electives** - 3 hours

College of Science and Engineering electives three hours.

### **Major in Chemistry (BS) – Medical Laboratory Science Option**

120 hours

**University Requirement** - 2 hours

GSTD	1002	Freshman Seminar
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**General Education** - 24 hours (Mathematics, natural science and physical science courses are included in the major.)

**Biology** - 16 hours

BIOL	1203/1201	Principles of Biology I/Lab
BIOL	1213/1211	Principles of Biology II/Lab
BIOL	2063/2061	Anatomy and Physiology I/Lab

BIOL                    3023/3021                    Microbiology/Lab

**Chemistry – 17 hours**

CHEM                    1501                    Background and Strategies in Chemistry  
CHEM                    1023/1021                    University Chemistry I/Lab  
CHEM                    1123/1121                    University Chemistry II/Lab  
CHEM                    3003/3001                    Organic Chemistry I/Lab

Select 4 hours from the following:

CHEM                    2012/2001                    Analytical Chemistry/Lab  
CHEM                    3103/3101                    Organic Chemistry II/Lab  
CHEM                    3073/3071                    Biochemistry I/Lab

**Mathematics - 6 hours**

MATH                    1023                    College Algebra

Plus a three-hour statistics course or higher level math course

**Electives – 16 hours**

Recommended electives include courses in chemistry and biology (consult with advisor)

**Clinical/Professional Program – 39 hours**

39 hours (including satisfactory completion of minimum of 12 months clinical training and course work at a cooperative accredited medical technology program)

No minor is required in this plan.

**Chemistry (BS) Plan II –  
Professional, 3+2 program with certain professional schools  
120 hours**

*No student assigned this degree plan without documented admission and acceptance into a professional program.* Students who are preparing for pharmacy school (or other health related professional programs) should select a 4 year option such as the Pre-Health Professional Biochemistry Option in consultation their academic advisor and maintain that degree plan until after completion of 1-2 years of professional school.

Upon request, SAU will confer the baccalaureate BS degree with a major in Chemistry - Professional on students who successfully fulfill the following requirements: 1) Complete 88 semester hours of course work (30 semester hours earned prior to clinical/professional training must be taken at the Magnolia campus and 12 must be at 3000-4000 level courses); 2) Complete (four semesters, with official transcript from clinical/professional program on file with the SAU Registrar's Office) of coursework in an approved accredited school of chiropractic, dentistry, medicine, optometry, pharmaceutical, or veterinary science; and 3) satisfy the other requirements for graduation. Students should consult recommended courses from clinical/professional program that may be necessary in addition to 88 hours at the Magnolia campus.

**University Requirement – 2 hours**

GSTD                    1002                    Freshman Seminar

**General Education - 24 hours** (Mathematics, natural science and physical science courses are included in the major.)

**Chemistry – 28 hours**

CHEM                    1501                    Background and Strategies in Chemistry  
CHEM                    1023/1021                    University Chemistry I/Lab

CHEM	1123/1121	University Chemistry II/Lab
CHEM	2012/2001	Analytical Chemistry/Lab
CHEM	3003/3001	Organic Chemistry I/Lab
CHEM	3103/3101	Organic Chemistry II/Lab

4 hours of upper-level chemistry elective (including lab)

Select 4 hours from the following:

CHEM	3313/3311	Instrumentation I/Lab
CHEM	4313/4311	Instrumentation II/Lab

**Mathematics** - 10 hours

MATH	1045	Pre-Calculus Mathematics*
MATH	1525	Calculus I

\*Taking both MATH 1023 College Algebra and MATH 1033 Plane Trigonometry is equivalent to MATH 1045 Pre-Calculus Mathematics

**Physics** - 8 hours

PHYS	2003/2001	College Physics I/Lab
PHYS	2103/2101	College Physics II/Lab

**or**

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

**Biology** - 16 hours

BIOL	1203/1201	Principles of Biology I/Lab
BIOL	1213/1211	Principles of Biology II/Lab
BIOL	3023/3021	Microbiology/Lab

4 hours of upper-level biology elective (including lab)

**Clinical/Professional Program – 32 hours**

32 hours (electives in approved accredited professional school – minimum of four semesters)

No minor is required in this plan.

**Major in Chemistry (BS) – Entrepreneurship Option**

120 hours

**University Requirement** - 2 hours

GSTD	1002	Freshman Seminar
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**General Education** - 24 hours (Mathematics, natural science and physical science courses are included in the major.)

**Biology** - 4 hours

BIOL	1203/1201	Principles of Biology I/Lab
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**Chemistry** - 46 hours

CHEM	1501	Background and Strategies in Chemistry
CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab
CHEM	2012/2001	Analytical Chemistry/Lab
CHEM	3003/3001	Organic Chemistry I/Lab
CHEM	3103/3101	Organic Chemistry II/Lab
CHEM	3073	Biochemistry I

CHEM	3233	Intermediate Inorganic Chemistry
CHEM	4403/4401	Physical Chemistry: Thermodynamics/Lab
CHEM	4413/4411	Physical Chemistry: Quantum and Kinetics/Lab
CHEM	4051	Senior Seminar-Chemistry

Select 4 hours from the following:

CHEM	3313/3311	Instrumentation I/Lab
CHEM	4313/4311	Instrumentation II/Lab

Select 7 hours from the following:

CHEM	3071	Biochemistry I Lab
CHEM	3231	Intermediate Inorganic Chemistry Lab
CHEM	3313/3311	Instrumentation I/Lab <b>OR</b>
CHEM	4313/4311	Instrumentation II/Lab
CHEM	4013	Advanced Organic Chemistry
CHEM	4033	Advanced Inorganic Chemistry
CHEM	4073	Biochemistry II
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

**Mathematics** - 15 hours

MATH	1045	Pre-Calculus Mathematics*
MATH	1525	Calculus I
MATH	1545	Calculus II

(\*Taking both MATH 1023 College Algebra and MATH 1033 Plane Trigonometry is equivalent to MATH 1045 Pre-Calculus.)

**Physics** - 8 hours

PHYS	2003/2001	College Physics I/Lab
PHYS	2103/2101	College Physics II/Lab
<b>or</b>		
PHYS	2203/2201	University Physics I/Lab
PHYS	2213/2211	University Physics II/Lab

**Business** - 12 hours

ECON	2103	Principles of Microeconomics
ECON	2203	Principles of Macroeconomics
MGMT	4023	Entrepreneurship
MKTG	3033	Principles of Marketing

**Other Requirements** - 6 hours

ENGL	3003	Advanced Professional Writing
SPCH	1113	Introduction to Public Speaking

**Electives** – 3 hours from Science and Engineering

No minor is required in this major.

**Major in Chemistry (BS) – Environmental Toxicology Science Option**

120 hours

**University Requirement** - 2 hours

GSTD	1002	Freshman Seminar
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**General Education** - 24 hours (Mathematics, natural science and physical science courses are included in the major.)

**Biology** – 16 hours

BIOL	1203/1201	Principles of Biology I/Lab
BIOL	1213/1211	Principles of Biology II/Lab
BIOL	3703/3701	Vertebrate Physiology/Lab
BIOL	4013/4011	Ecology/Lab

**Chemistry** - 50 hours

CHEM	1501	Background and Strategies in Chemistry
CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab
CHEM	2012/2001	Analytical Chemistry/Lab
CHEM	3003/3001	Organic Chemistry I/Lab
CHEM	3103/3101	Organic Chemistry II/Lab
CHEM	3073	Biochemistry I
CHEM	3233	Intermediate Inorganic Chemistry
CHEM	3243	Introduction to Toxicology
CHEM	3253	Analysis and Identification of Environmental Toxins
CHEM	4053	Environmental Toxicology
CHEM	4073	Biochemistry II
CHEM	4183	Ecotoxicology
CHEM	4403/4401	Physical Chemistry: Thermodynamics/Lab
CHEM	4051	Senior Seminar-Chemistry

Select 4 hours from:

CHEM	3313/3311	Instrumentation I/Lab
CHEM	4313/4311	Instrumentation II/Lab

**Mathematics** - 13 hours

MATH	1045	Pre-Calculus Mathematics*
MATH	1525	Calculus I
MATH	3043	Applied Probability and Statistics I

(\*Taking both MATH 1023 College Algebra and MATH 1033 Plane Trigonometry is equivalent to MATH 1045 Pre-Calculus.)

**Physics** - 8 hours

PHYS	2003/2001	College Physics I/Lab
PHYS	2103/2101	College Physics II/Lab
<b>or</b>		
PHYS	2203/2201	University Physics I/Lab
PHYS	2213/2211	University Physics II/Lab

**Other Requirements** - 6 hours

ENGL	3003	Advanced Professional Writing
SPCH	1113	Introduction to Public Speaking

**Electives** – 1 hour from Science and Engineering

No minor is required in this major.



Specific electives should be selected for graduate and professional school requirements. These include, but are not limited to, CHEM 4413/4411 and MATH 1545.

**Major in Chemistry (BS) – Forensic Science Option**

120 hours

**University Requirement** - 2 hours

GSTD 1002 Freshman Seminar

**General Education** - 24 hours (Mathematics, natural science and physical science courses are included in the major.)

**Biology** - 16 hours

BIOL 1203/1201 Principles of Biology I/Lab  
BIOL 1213/1211 Principles of Biology II/Lab  
BIOL 3033/3031 Genetics/Lab  
BIOL 4503/4501 Molecular Biology/Lab

**Chemistry** - 42 hours

CHEM 1501 Background & Strategies in Chemistry  
CHEM 1023/1021 University Chemistry I/Lab  
CHEM 1123/1121 University Chemistry II/Lab  
CHEM 2012/2001 Analytical Chemistry/Lab  
CHEM 2173 Forensic Science  
CHEM 3003/3001 Organic Chemistry I/Lab  
CHEM 3103/3101 Organic Chemistry II/Lab  
CHEM 3073/3071 Biochemistry I/Lab  
CHEM 4073 Biochemistry II  
CHEM 4173 Forensic Chemistry  
CHEM 4051 Senior Seminar-Chemistry  
CHEM 4403/4401 Physical Chemistry: Thermodynamics/Lab **OR**  
CHEM 4413/4411 Physical Chemistry: Quantum and Kinetics/Lab

Select 4 hours from:

CHEM 3313/3311 Instrumentation I/Lab  
CHEM 4313/4311 Instrumentation II/Lab

**Mathematics** - 10 hours

MATH 1045 Pre-Calculus Mathematics  
MATH 1525 Calculus I

**Physics** - 8 hours

PHYS 2003/2001 College Physics I/Lab  
PHYS 2103/2101 College Physics II/Lab

**or**

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

**Criminal Justice** - 12 hours

CRJU 2003 Introduction to Criminal Justice  
CRJU 3023 Criminal Evidence and Procedures  
CRJU 3033 Criminal Investigation  
CRJU 3183 Statistics (or equivalent)

**Other Requirements** - 6 hours

ENGL	3003	Advanced Professional Writing
SPCH	1113	Introduction to Public Speaking

No minor is required in this major.

**Pre-Medical Program**

Candidates for early 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 these courses 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 can complete a degree program at SAU if they choose. Most pre-medical students obtain degrees with a major in chemistry with a minor in biology or a major in biology with a minor in chemistry.

**Minor in Chemistry - 23 hours**

CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab
CHEM	2022/2001	Analytical Chemistry
CHEM	3003/3001	Organic Chemistry I/Lab

4 hours of any upper division CHEM courses excluding seminar/colloquium courses.

Select 4 hours from the following:

CHEM	3313/3311	Instrumentation I/Lab
CHEM	4313/4311	Instrumentation II/Lab

## **Department of Biology**

Abe E. Tucker, PhD, Chair

The Department of Biology offers a course of study leading to a Bachelor of Science degree in biology. The curriculum provides students a core foundation in the life sciences by introducing modern biological concepts such as molecules, cells and physiology through organisms, populations and ecosystems. The Biology Department promotes close contact between faculty and students through small class sizes, one-on-one advising, faculty-taught laboratories, and faculty-student research collaborations. Faculty-directed research opportunities are available in areas such as immunology, microbiology, neuroscience, physiology, toxicology, evolutionary biology, paleobiology, and wildlife ecology. The four-year degree programs in biology provide undergraduate preparation for post-graduate study and/or professional employment. The department offers specialized degree options tailored to different career tracks including general biology, pre-health biology, wildlife and conservation biology, and marine biology as described below.

The **B.S. Biology: Biology option** is a versatile degree program for students interested in the life sciences. After completion of the core curriculum, students choose from a diverse set of elective biology classes, depending on an individual student's particular interests and career goals. Students with this degree have entered fields as wide-ranging as: molecular biology, genetics, organismal biology and ecology; professions such as medical doctors, physician assistants, medical technicians, physical and occupational therapy; teaching; wildlife management and conservation biology.

The **B.S. Biology: Pre-Health option** is designed to maximize the success of students pursuing careers in medical professional fields such as medicine, physical and occupational therapy, veterinary medicine, dentistry, pharmacology and optometry, among others. This option requires substantial coursework in advanced chemistry, biochemistry and molecular biology. Pre-health biology students are encouraged to gain practical experience in their professional field through internships and shadowing as early as possible during their degree program.

The **B.S. Biology: Wildlife and Conservation Biology option** prepares students for careers in wildlife conservation and resource management, including those in academia, with state or federal agencies, non-profit organizations, and in the private sector. This program helps students develop the field, laboratory, and computer skills necessary for success in conservation-related disciplines. Students are carefully mentored toward their career goals, and are also encouraged to pursue undergraduate internships. Students with this degree have been employed by Arkansas Game and Fish, US Army Corps of Engineers, National Forest Service, industry, and non-profit organizations. Students also may pursue advanced degrees by continuing their studies in graduate programs.

The **B.S. Biology: Marine Biology option** prepares students for careers in the marine sciences, including those in academia, state or federal management agencies, and private industry. In addition to the course offerings at SAU, the department maintains a cooperative agreement with the Gulf Coast Research Laboratories (GCRL), in Ocean Springs, MS, as well as Dauphin Island Sea Lab off the coast of Alabama for field-based summer coursework.

The **B.S. Biology: 3+2 program** option is for students with 2 years of credits from a professional/clinical program to obtain an accelerated B.S. in Biology in 3 years.

### Major in Biology (BS)

120 hours

#### University Requirement - 2 hours

GSTD 1002 Freshman Seminar

**General Education** - 24 hours (Mathematics, natural science and physical science courses are included in the major.)

#### Biology – 55 hours

BIOL	1203/1201	Principles of Biology I/Lab
BIOL	1213/1211	Principles of Biology II/Lab
BIOL	3023/3021	Microbiology/Lab
BIOL	3033/3031	Genetics/Lab
BIOL	3043	Cell Biology
BIOL	3763	Evolutionary Biology
BIOL	4013/4011	Ecology/Lab
BIOL	4101	Biology Colloquium

\*16 hours of upper level biology electives

\*Five (5) hours of the upper level biology electives may be taken at Gulf Coast Research Laboratory.

#### Select 4 hours from the following (Organismal elective):

BIOL	3383/3381	Herpetology/Lab
BIOL	3423/3421	Mammalogy/Lab
BIOL	3523/3521	Ornithology/Lab
BIOL	3393/3391	Ichthyology/Lab
BIOL	3073/3071	Entomology/Lab
BIOL	3183/3181	Botany/Lab

#### Select 4 hours from the following (Molecular/Cellular elective):

BIOL	3373/3371	Introduction to Neuroscience/Lab
BIOL	4033/4031	Developmental Biology/Lab
BIOL	4503/4501	Molecular Biology/Lab

#### Select 4 hours from the following (Physiology elective):

BIOL	3083/3081	Plant Physiology/Lab
BIOL	3703/3701	Vertebrate Physiology/Lab

or

BIOL 2063/2061 A&P I and BIOL 2073/2071 A&P II (**both** can be taken to fulfill this requirement)

#### Chemistry - 12 hours

CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab
CHEM	3003/3001	Organic Chemistry I/Lab**

#### Mathematics – 5-6 hours

Option A:

MATH	1023	College Algebra
MATH	1033	Plane Trigonometry

Option B:

MATH 1045 Pre-Calculus Mathematics

Option C:

MATH 1525 Calculus I

**Physics - 8 hours**

PHYS 2003/2001 College Physics I/Lab

PHYS 2103/2101 College Physics II/Lab

**or**

PHYS\* 2203/2201 University Physics I/Lab

PHYS\* 2213/2211 University Physics II/Lab

**Electives – 13-14 hours**

University electives may be used for the remaining hours.

No minor is required.

### **Major in Biology (BS)**

#### **Pre-Health Option**

120 hours

**University Requirement - 2 hours**

GSTD 1002 Freshman Seminar

**General Education - 24 hours** (Mathematics, natural science and physical science courses are included in the major.)

**Biology – 48 hours:**

BIOL 1203/1201 Principles of Biology I/Lab

BIOL 1213/1211 Principles of Biology II/Lab

BIOL 3023/3021 Microbiology/Lab

BIOL 3033/3031 Genetics/Lab

BIOL 3043 Cell Biology

BIOL 3763 Evolutionary Biology

BIOL 4013/4111 Ecology/Lab

BIOL 4101 Biology Colloquium

BIOL 4503/4501 Molecular Biology/Lab

SCI 3101 Pre-Health Colloquium

Select 8 hours from the following:

BIOL 3373/3371 Introduction to Neuroscience/Lab

BIOL 3703/3701 Vertebrate Physiology/Lab

BIOL 4033/4031 Developmental Biology/Lab

BIOL 4043/4041 Immunology/Lab

BIOL 4243 Viral Genetics

BIOL 4891 Independent Research

Select 8 hours from the following:

BIOL 2063/2061 Anatomy and Physiology I/Lab

BIOL 2073/2071 Anatomy and Physiology II/Lab

**or**

BIOL 3703/3701 Vertebrate Physiology/Lab

BIOL 3143/3141 Comparative Vertebrate Anatomy/Lab

**Chemistry – 20 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
CHEM	3073/3071	Biochemistry I/Lab

**\*\*Mathematics – 5-6 hours**

Option A:

MATH	1023	College Algebra
MATH	1033	Plane Trigonometry

Option B:

MATH	1045	Pre-Calculus Mathematics
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Option C:

MATH	1525	Calculus I
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\*\*Some professional schools may require MATH 1525 Calculus I for admission.

**Physics - 8 hours**

PHYS	2003/2001	College Physics I/Lab
PHYS	2103/2101	College Physics II/Lab

**or**

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

**Electives – 12-13 hours**

University electives may be used for the remaining 12-13 hours.

\*Some pre-professional schools may have additional recommended or required classes. Students should meet with the Pre-Health advisor and their faculty advisor as soon as possible to make sure all prerequisites are met by the time graduate school applications are due. Students are encouraged to look at the prerequisites for the particular pre-professional graduate programs to which they are applying. The following classes are generally recommended for students planning to attend the following pre-professional schools:

Medical School:

MATH 3043 Applied Probability and Statistics I, PSYC 2003 General Psychology, SOC 2003 Introduction to Sociology

Pharmacy School:

MATH 3043 Applied Probability and Statistics I, SPCH 1113 Introduction to Public Speaking, PSYC 2003 General Psychology, Economics or Accounting (ECON 2103, ECON 2203, or ACCT 2003)

Physical Therapy:

MATH 3043 Applied Probability and Statistics I, PSYC 2003 General Psychology

Occupational Therapy:

MATH 3043 Applied Probability and Statistics I, BIOL 2403 Medical Terminology, PSYC 2003 General Psychology, PSYC Abnormal Psychology, PSYC Developmental Psychology

Physician Assistant:

BIOL 2403 Medical Terminology, MATH 3043 Applied Probability and Statistics I, PSYC 2003 General Psychology

Dental School:

PSYC 2003 General Psychology, SPCH 1113 Introduction to Public Speaking

Optometry School:

MATH 3043 Applied Probability and Statistics I, PSYC 2003 General Psychology, SOC 2003 Introduction to Sociology

Veterinary School:

ANSC 1003/1001 Introduction to Animal Science, ANSC 2002/2001 Animal Nutrition/Lab, SOC 2003 Introduction to Sociology

**Major in Biology (BS)**

**Marine Biology Option – 120 hours**

**University Requirement - 2 hours**

GSTD 1002 Freshman Seminar

**General Education - 24 hours** (Mathematics, natural science and physical science courses are included in the major.)

**Biology - 36 hours**

BIOL	1051	Issues in Conservation Biology
BIOL	1203/1201	Principles of Biology I/Lab
BIOL	1213/1211	Principles of Biology II/Lab
BIOL	3023/3021	Microbiology/Lab
BIOL	3033/3031	Genetics/Lab
BIOL	3183/3181	Botany/Lab
BIOL	3443	Global Environmental Change
BIOL	3763	Evolutionary Biology
BIOL	4013/4011	Ecology/Lab
BIOL	4101	Biology Colloquium

Select 4 hours from the following:

BIOL	3083/3081	Plant Physiology/Lab
BIOL	3703/3701	Vertebrate Physiology/Lab

**Marine Biology - 18 hours**

BIOL	3503	Marine Biology
BIOL	3843	Oceanography

Select 12 hours from the Marine Science electives:

BIOL	3143/3141	Comparative Vertebrate Anatomy/Lab
BIOL	3343/3341	Field Experiences/Lab
BIOL	3393/3391	Ichthyology/Lab
BIOL	3434	Paleobiology

Up to 10 credit hours of upper-level marine-related courses at an affiliate institution that do not repeat courses taken at SAU. SAU has an affiliate agreement with the University of Southern Mississippi's Gulf Coast Research Laboratory (GCRL) and will also accept courses taken at Dauphin Island Sea Lab (DISL). Descriptions and prerequisites for GCRL classes are listed online at [usm.edu/gcrl](http://usm.edu/gcrl) and [disl.org](http://disl.org). Students incur the cost of tuition differences between SAU and affiliate institutions, but may apply to transfer financial aid to offset the costs.

**Chemistry – 12 hours**

CHEM	1023/1021	University Chemistry I/Lab
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CHEM	1123/1121	University Chemistry II/Lab
CHEM	3003/3001	Organic Chemistry I/Lab

**Mathematics** – 13-14 hours

Option A:

MATH	1023	College Algebra
MATH	1033	Plane Trigonometry
MATH	1525	Calculus I
MATH	3043	Applied Probability and Statistics I

Option B:

MATH	1045	Pre-Calculus Mathematics
MATH	1525	Calculus I
MATH	3043	Applied Probability and Statistics I

**Physics** - 8 hours

PHYS	2003/2001	College Physics I/Lab
PHYS	2103/2101	College Physics II/Lab

**or**

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

**Electives** – 6-7 hours

University electives may be used for the remaining 6-7 hours.

**Major in Biology (BS)**  
**Wildlife and Conservation Biology Option**

120 hours

**University Requirement** - 2 hours

GSTD	1002	Freshman Seminar
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**General Education** - 24 hours (Mathematics, natural science and physical science courses are included in the major.)

**Biology** - 36 hours

BIOL	1051	Issues in Conservation Biology
BIOL	1203/1201	Principles of Biology I/Lab
BIOL	1213/1211	Principles of Biology II/Lab
BIOL	3023/3021	Microbiology/Lab
BIOL	3033/3031	Genetics/Lab
BIOL	3183/3181	Botany/Lab*
BIOL	3443	Global Environmental Change
BIOL	3703/3701	Vertebrate Physiology/Lab*
BIOL	3763	Evolutionary Biology
BIOL	4013/4011	Ecology/Lab*
BIOL	4101	Biology Colloquium

\*These courses are required for Wildlife Certification from The Wildlife Society in addition to the courses required as a part of the Wildlife and Conservation Emphasis.

**Wildlife and Conservation** - 26 hours



BIOL	3083/3081	Plant Physiology/Lab
BIOL	3303/3301	Systematic Botany/Lab
BIOL	3553	Conservation Genetics
BIOL	4063/4061	Wildlife Ecology and Management/Lab
BIOL	4663	Natural Resource Policy and Administration

Select 8 hours from the following:

BIOL	3073/3071	Entomology/Lab
BIOL	3383/3381	Herpetology/Lab
BIOL	3393/3391	Ichthyology/Lab
BIOL	3423/3421	Mammalogy/Lab
BIOL	3523/3521	Ornithology/Lab

**Chemistry - 12 hours**

CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab
CHEM	3003/3001	Organic Chemistry I/Lab

**Mathematics – 8-9 hours**

Option A:

MATH	1023	College Algebra
MATH	1033	Plane Trigonometry
MATH	3043	Applied Probability and Statistics I

Option B:

MATH	1045	Pre-Calculus Mathematics
MATH	3043	Applied Probability and Statistics I

Option C:

MATH	1525	Calculus I**
MATH	3043	Applied Probability and Statistics I

\*\*Prerequisite coursework may be required.

**Physics - 4 hours**

PHYS	2003/2001	College Physics I/Lab
<b>or</b>		
PHYS	2203/2201	University Physics I/Lab

**Electives – 7-8 hours**

University electives may be used for the remaining 7-8 hours.

No minor is required.

**Biology (BS)**

**Plan II - Professional, 3+2 program with certain professional schools**  
121 hours

Upon request, SAU will confer the baccalaureate (BS) degree with a major in Biology - Professional on students who successfully fulfill the following requirements:

- 1) Complete 90 semester hours of course work (30 semester hours earned prior to clinical/professional training must be taken at the Magnolia campus and 12 must be at 3000-4000 level courses);
- 2) Complete 30 hours or equivalent with official transcript from clinical/professional program on file with the SAU Registrar's Office of coursework in an approved accredited professional school, and
- 3) who satisfy the other requirements for graduation. Students awarded this degree are not eligible to graduate with honors.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 24 hours** (Mathematics, natural science and physical science courses are included in the major.)

**Biology - 27 hours**

BIOL	1203/1201	Principles of Biology I/Lab
BIOL	1213/1211	Principles of Biology II/Lab
BIOL	2403	Medical Terminology
BIOL	3023/3021	Microbiology/Lab
BIOL	3033/3031	Genetics/Lab
BIOL	3043	Cell Biology
BIOL	3703/3701	Vertebrate Physiology/Lab
SCI	3101	Pre-Health Colloquium

**Chemistry - 20 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
CHEM	3073/3071	Biochemistry I/Lab

**Mathematics – 10-11 hours****Select option A or B**

Option A:

MATH	1023	College Algebra
MATH	1033	Plane Trigonometry
MATH	1525	Calculus I

Option B:

MATH	1045	Pre-Calculus Mathematics
MATH	1525	Calculus I

**Physics - 8 hours**

PHYS	2003/2001	College Physics I/Lab
PHYS	2103/2101	College Physics II/Lab

**or**

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

**Clinical/Professional Program – 30 hours**

30 semester hours or equivalent

Electives in approved accredited professional school

No minor is required in this plan.

**Minor in Biology - 22 hours**

BIOL	1203/1201	Principles of Biology I/Lab
BIOL	1213/1211	Principles of Biology II/Lab

14 hours of upper-level biology electives

The **B.S. Public Health:** A degree in public health is interdisciplinary and prepares students to navigate the intersection of environmental and human health, healthcare delivery, and policymaking in order to improve community welfare based on sound science. The SAU public health curriculum is designed to incorporate many disciplines which work together to ensure that a community's health needs are addressed. In addition to core public health courses, the degree plan includes courses in nursing, biology, psychology, sociology, health sciences, and recreation. Students with a degree in public health work in health departments, hospitals, schools, medical offices, non-profit organizations, and state or federal agencies. Students may also pursue advanced degrees in the public health field. The program also incorporates an upper-level public health internship, which emphasizes the importance of community collaboration and SAU's commitment to meaningful career preparation, skills, development, and effective citizenship.

### **Bachelor of Science in Public Health**

120 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education\* - 27 hours**

BIOL 2063/2061 and physical science (chemistry) are included in the major. PHIL 2403 Introduction to Philosophy and Ethics, 3 hours foreign language, and PSYC 2003 General Psychology are required.

**Biological Science – 21 hours**

BIOL	2003	Nutrition and Diet
BIOL	2063/2061	Anatomy & Physiology I/Lab
BIOL	2073/2071	Anatomy & Physiology II/Lab
BIOL	2403	Medical Terminology
BIOL	3613/3611	Microbiology for Nursing and Allied Health/Lab
BIOL	3903	Human Genetics

**Chemistry – 4 hours**

Select 4 hours from the following:

CHEM	1013/1011	College Chemistry I/Lab
CHEM	1023/1021	University Chemistry I/Lab

**Computer Science – 3 hours**

CSCI	1053	Computer Concepts for Allied Health
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**Public Health Requirements – 33 hours**

PH	2003	Foundations of Public Health
PH	3013	Issues and Trends in Healthcare
PH	3043	Research for Evidence-Based Practice
PH	3053	The Business of Health Care
PH	3063	Social and Behavioral Health
PH	3103	Biological Concepts for Public Health
PH	4003	Epidemiology
PH	4023	Health Care and Public Health Policy
PH	4033	Evaluation Methods in Public Health
PH	4123	Program Planning and Evaluation for Public Health

PH	4983	Internship in Public Health
<b>Other Requirements – 21 hours</b>		
PSYC	3223	Developmental Psychology
SOC	3003	Cultural Diversity
SPCH	1113	Introduction to Public Speaking
<u>Select 3 hours from the following:</u>		
PSYC/SOC	3183	Statistics
MATH	3043	Applied Probability and Statistics I
<u>Select 3 hours from the following:</u>		
HS	1403	Personal and Community Health
NURS	2003	Introduction to Professional Nursing
<u>Select 6 hours from the following:</u>		
CRJU	3063	Substance Abuse
HS	4023	Pharmacology in Sports
HS	4413	Health Education in the School
PH	4791-3	Independent Study in Public Health
PHIL	3003	Death, Dying and World Religion
PSYC	3123	Child Psychology
PSYC/SOC	4003	Domestic Violence
PSYC	4033	Abnormal Psychology
PSYC/SOC	4063	Social Psychology
PSYC	4083	Adolescent Psychology
PSYC	4163	Child Psychopathology
REC	3613	School and Community Recreation
REC	3623	Psychology of Sports
REC	3663	Leisure and Aging
SOC	3033	Sociology of Marriage and Family
SOC	4073	Social Gerontology
<b>Electives – 9 hours</b>		
Nine hours of electives		
<b>Minor in Public Health - 18 hours*</b>		
PH	2003	Foundations of Public Health
15 hours of upper-level public health electives		
*2.00 GPA in minor courses required		

## Department of Engineering and Physics

Sam Heintz, PhD, Chair

The department of Engineering and Physics offers degrees in Engineering, Engineering Physics with a science option, an industrial technology option, mechanical engineering, chemical engineering, and engineering technology option.

**Engineering** with the *mechanical* focus is a comprehensive degree that offers a balanced and strong engineering curriculum that prepares our undergraduates to be able to undertake product-design and development roles in industry, and take on engineering tasks in a technical setting. The baccalaureate degree provides a broad background in mechanics of materials, structures and control systems, fluid flow and energy analysis. Our engineering program enjoys a unique partnership with local industries; real world engineering problem-solving is enhanced by practical experience our majors receive through industry internship opportunities. Each student is also required to work on senior capstone engineering design project overseen by a faculty member.

### Engineering-Physics

Engineering-Physics bachelor's degree with *science* sub-plan is versatile and designed to provide students with a solid foundation in physics, mathematics and core engineering concepts, all of which are necessary to pursue graduate work in multidisciplinary complex areas. The curriculum leaves students with a variety of career choices; graduates are able to seek innovative careers in industry, typically in research and development where problem-solving skills, and an understanding of engineering are necessary, while at the same time, it provides a firm foundation for the pursuit of graduate studies in Interdisciplinary engineering or physics topics at esteemed research universities. To name a few, our graduates may continue their education in advanced engineering and physics programs such as microelectronics, photonics, nuclear engineering, biomedical engineering, biophysics, radiation physics or any discipline where the principles of physics are applied.

**Chemical Engineering** is a comprehensive degree track that trains the students to apply the principles of chemistry to solve problems involving the production or use of chemicals and other products. Chemical engineers transform raw materials into high-value products, design processes and equipment for large-scale chemical manufacturing, plan and test methods of manufacturing product, treatment of byproducts, and supervise the overall production process. Magnolia, Arkansas, is home to many world-class leading developers, manufacturers and marketers of complex chemicals and services. Our program offers students numerous opportunities to engage in real world chemical engineering that is guaranteed by practical experience our students receive through Co-ops and industry internship opportunities.

**Engineering Technology** is a popular four-year degree program that is highly applied in nature. Usually a technologist bridges the gap between a technician and an engineer. Often a technologist helps the engineers in the workplace in the area of design, repair, maintenance, and construction and materializes the ideas. Job opportunities are unlimited for an engineering technologist, and graduates rarely have difficulty to obtain a job. Upon completion of the degree graduates may work for aerospace industries, oil and gas industries, state and federal government; where technologists are most likely to enter positions in sectors such as construction, manufacturing, product design, testing, or technical services and sales. The four year bachelor degree in Engineering Technology at SAU is focused on computer aided design, manufacturing, and heating, ventilating, and

air conditioning systems. There are many local industries that have great demands for these technologists who are capable of solving real-world problems at the workplace.

### **Industrial Technology**

Industrial Technology bachelor's degree is designed to prepare technical and management oriented professionals for leadership responsibilities and employment in business, industry, education, and government. Industrial technology is primarily involved with the management, operation, and maintenance of complex technological systems. The program was initiated by SAU to meet the growing demand for formal educational opportunities among area employers and employees. Typical positions held by graduates include, but are not limited to, industrial managers, training directors, operations managers, plant managers, production supervisors, quality, and safety engineers. In an effort to help those who would like to further their career but do not have the time to attend traditional classes, industrial technology courses are mostly online, thus allowing students to work on their degree when they choose, at their own pace, after work and on weekends. Core classes include fundamentals of manufacturing, quality, maintenance management, production and inventory control, industrial safety, work analysis, industrial management, Engineering Economics, manufacturing policy and ethics.

### **Major in Engineering (BSEngr)**

124 hours

A minimum grade of C is required for *all* courses in the curriculum.

#### **University Requirement - 2 hours**

GSTD 1002 Freshman Seminar

**General Education - 18 hours** (17 hours mathematics, biological science, physical science, social science, and fine arts/humanities courses are included in the major.) All Engineering majors must take 3 hours of US history or American government.

#### **Engineering – 63 hours**

ENGR	1023/1021	Introduction to Engineering/Lab
ENGR	1213	Engineering Graphics
ENGR	2020	Engineering Exams*
ENGR	2033	Electrical Circuits I
ENGR	2043	Properties of Materials
ENGR	2143	Statics
ENGR	2163	Dynamics
ENGR	3003	Fluid Mechanics
ENGR	3013	Thermodynamics
ENGR	3023	Heat Transfer
ENGR	3043	Mechanics of Materials
ENGR	3073	Engineering Economics
ENGR	3083	Numerical Methods in Engineering
ENGR	3101	Solid Mechanics Lab
ENGR	3211	Thermal Fluid Science Lab
ENGR	3143	Manufacturing Processes
ENGR	3163	Computer Aided Engineering Analysis
ENGR	4013	Machine Design
ENGR	4023	Senior Design Project I
ENGR	4123	Senior Design Project II
ENGR	4033	Instrumentation and Control Systems

ENGR	4153	Heating, Ventilation, and Air Conditioning
ENGR	4701	Work Experience Learning I
ENGR	4992	Engineering Proficiency

\*Students must register for this course each fall/spring semester as an exam period for all Engineering and/or Physics courses sophomore and up. See course description.

**Chemistry - 8 hours**

CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab

**Computer Science – 4 hours**

CSCI	2103/2101	Computer Science I/Lab
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**Mathematics - 16 hours**

MATH	1525	Calculus I
MATH	1545	Calculus II
MATH	2563	Calculus III
MATH	3033	Differential Equations

**Physics - 8 hours**

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

**Other – 5 hours**

ENGL	3023	Technical Writing
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2 hours of electives chosen from upper level Physics or Engineering courses

**Major in Engineering-Physics (BS) – Science Option**

120 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 18 hours** (17 hours of mathematics, biological science, physical science, social science, and fine arts/humanities courses are included in the major.) All Engineering majors must take 3 hours of US history or American government.

**Chemistry - 8 hours**

CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab

**Physics - 26 hours**

PHYS	2203/2201	University Physics I/Lab
PHYS	2213/2211	University Physics II/Lab
PHYS	3033	Electromagnetism
PHYS	3053	Modern Physics
PHYS	3113	Advanced Physics Laboratory
PHYS	4013	Optics
PHYS	4043	Analytical Mechanics
PHYS	4053	Quantum Mechanics

**Engineering - 30 hours**

ENGR	1023/1021	Introduction to Engineering/Lab
ENGR	1213	Engineering Graphics
ENGR	2020	Engineering Exams*

ENGR	2033	Electrical Circuits I
ENGR	2143	Statics
ENGR	3003	Fluid Mechanics
ENGR	3013	Thermodynamics
ENGR	3023	Heat Transfer
ENGR	3073	Engineering Economics
ENGR	3101	Solid Mechanics Lab
ENGR	3211	Thermal Fluid Science Lab
ENGR	3163	Computer Aided Engineering Analysis

\*Students must register for this course each fall/spring semester as an exam period for all Engineering and/or Physics courses sophomore and up. See course description.

**Mathematics - 19 hours**

MATH	1525	Calculus I
MATH	1545	Calculus II
MATH	2563	Calculus III
MATH	2753	Linear Algebra
MATH	3033	Differential Equations

**Computer Science - 8 hours**

CSCI	2103/2101	Computer Science I/Lab
CSCI	2113/2111	Computer Science II/Lab

**Electives - 9 hours** upper level electives. Engineering, physics or mathematics courses recommended.

No minor is required in this major.

**Major in Engineering Physics (BS) – Engineering Technology Option**

120 hours

The engineering technology program at Southern Arkansas University is a professional degree that specializes in design and analysis in the broad area of engineering technology. The degree will provide skills for graduates to become real world problem solvers. Most of the courses are applied in nature and provide students with the necessary skills to be real world problem solvers in the engineering and manufacturing technology industry. Students will be introduced to modeling and design tools that are widely used in the current job market. More focus will be given to applied aspects rather than theoretical aspects of engineering. Most of the courses will be taught by engineering professors that have work experience in industries. Some of the courses from the engineering program will transfer to the engineering technology program.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 18 hours** (17 hours of mathematics, biological science, physical science, social science, and fine arts/humanities courses are included in the major.) All Engineering majors must take 3 hours of US history or American government.

**Science and Mathematics Core – 19-20 hours**

**Chemistry – 4 hours** selected from

CHEM	1013/1011	College Chemistry I/Lab
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CHEM 1023/1021 University Chemistry I/Lab

**Mathematics – 7-8 hours**

MATH 3043 Applied Probability and Statistics I

Select 4-5 hours from the following:

MATH 2124 Applied Calculus

MATH 1525 Calculus I

**Physics - 8 hours**

PHYS 2003/2001 College Physics I/Lab

PHYS 2103/2101 College Physics II/Lab

**or**

PHYS 2203/2201 University Physics I/Lab

PHYS 2213/2211 University Physics II/Lab

**Technical Courses - 67 hours**

AGED 2021/2022 Agricultural Metals/Lab

ENGL 3023 Technical Writing

ENGR 1023/1021 Introduction to Engineering/Lab

ENGR 1213 Engineering Graphics

ENGR 2033 Electric Circuits I

ENGR 3143 Manufacturing Processes

ENGR 3163 Computer Aided Engineering Analysis

ETEC 2003 Applied Statics

ETEC 2033 Solid Modeling and Design

ETEC 3002 Applied Mechanics Lab

ETEC 3003 Applied Fluid Mechanics

ETEC 3012 Applied Thermal Science Lab

ETEC 3013 Applied Thermal Science

ETEC 3033 Strength of Materials

ETEC 4003 Heating Ventilation & Air Conditioning

ETEC 4013 Senior Design for Technology

ITEC 2032 Industrial Safety

ITEC 3073 Economic Analysis for Technology

ITEC 3503 Computational Methods

ITEC 3803 Industrial Materials

ITEC 4123 Computer Aided Manufacturing

WELD 1003 Welding Skills Development

Select 3 hours from the following:

ENGR 3103 Digital Electronics

ETEC 2023 Programmable Logic Controllers

**Upper-level Technology/Engineering Elective – 13-14 hours**

**Major in Engineering-Physics (BS) – Industrial Technology Option**

120 hours

**University Requirement - 2 hours**

GSTD 1002 Freshman Seminar

**General Education - 22 hours** (13 hours of biological science, mathematics, social science, and fine arts/humanities course requirements are included in the major

requirements) All Engineering majors must take 3 hours of US history or American government.

**Basic Courses - 37 hours\***

To be approved by program director of industrial technology.

**Industrial Technology - 37 hours**

ITEC	2023	Introduction to Industrial Technology
ITEC	2032	Industrial Safety
ITEC	3003	Quality Control
ITEC	3012	Maintenance
ITEC	3023	Production and Inventory Control
ITEC	3043	Work Analysis
ITEC	3073	Economic Analysis for Technology
ITEC	3263	Operations Management I
ITEC	3363	Operations Management II
ITEC	3503	Computational Methods
ITEC	3803	Industrial Materials
ITEC	4043	Advanced Manufacturing Systems
ITEC	4053	Lean Manufacturing

**Other core requirements - 22 hours**

MATH	1023	College Algebra
MATH	1033	Plane Trigonometry
MATH	2124	Applied Calculus
MATH	3043	Applied Probability and Statistics I

9 hours (work experience or junior-senior technical electives or applied projects)

\*Minor in Management (18 hours), minor in Marketing (18 hours), or minor in General Business is strongly recommended.

**Major in Engineering-Physics (BS) – Chemical Engineering Option**

120 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 18 hours** (17 mathematics, biological science, physical science, social science, and fine arts/humanities courses are included in the major.) All Engineering majors must take 3 hours of US history or American government.

**Chemical Engineering - 53 hours**

ENGR	1023/1021	Introduction to Engineering/Lab
ENGR	1213	Engineering Graphics
ENGR	2020	Engineering Exams*
ENGR	2043	Properties of Materials
ENGR	2053	Chemical Engineering Fundamentals
ENGR	2143	Statics
ENGR	3003	Fluid Mechanics
ENGR	3013	Thermodynamics
ENGR	3023	Heat Transfer
ENGR	3063	Mass Transfer
ENGR	3073	Engineering Economics
ENGR	3083	Numerical Methods in Engineering
ENGR	3211	Thermal Fluid Science Lab

ENGR	3213	Thermodynamics II
ENGR	3352	Chemical Engineering Lab
ENGR	4023	Senior Design Project I
ENGR	4033	Instrumentation and Control Systems
ENGR	4043	Chemical Engineering Reactor Design
ENGR	4173	Chemical Engineering Processes
ENGR	4701	Work Experience Learning I

\*Students must register for this course each fall/spring semester as an exam period for all Engineering and/or Physics courses sophomore and up. See course description.

**Chemistry** - 12 hours

CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab
CHEM	3003/3001	Organic Chemistry I/Lab

**Computer Science** – 4 hours

CSCI	2103/2101	Computer Science I/Lab
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**Mathematics** - 16 hours

MATH	1525	Calculus I
MATH	1545	Calculus II
MATH	2563	Calculus III
MATH	3033	Differential Equations

**Physics** - 8 hours

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

**Other** – 3 hours

ENGL	3023	Technical Writing
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**Electives** – 4 hours

4 hours selected from upper level physics or engineering.

### Major in Engineering-Physics (BS) – Mechanical Engineering Option

120 hours

#### University Requirement - 2 hours

GSTD 1002 Freshman Seminar

**General Education** – 18 hours (17 hours of mathematics, biological science, physical science, and fine arts/humanities courses are included in major hours) All Engineering majors must take 3 hours of US history or American government.

#### Mechanical Engineering - 54 hours

ENGR	1023/1021	Introduction to Engineering/Lab
ENGR	1213	Engineering Graphics
ENGR	2020	Engineering Exams*
ENGR	2033	Electrical Circuits I
ENGR	2043	Properties of Materials
ENGR	2143	Statics
ENGR	2163	Dynamics
ENGR	3003	Fluid Mechanics
ENGR	3013	Thermodynamics
ENGR	3023	Heat Transfer
ENGR	3043	Mechanics of Materials
ENGR	3073	Engineering Economics
ENGR	3083	Numerical Methods in Engineering
ENGR	3101	Solid Mechanics Lab
ENGR	3211	Thermal Fluid Science Lab
ENGR	3143	Manufacturing Processes
ENGR	3163	Computer Aided Engineering Analysis
ENGR	4153	Heating, Ventilation, & Air Conditioning
ENGR	4013	Machine Design
ENGR	4023	Senior Design Project I

\*Students must register for this course each fall/spring semester as an exam period for all Engineering and/or Physics courses sophomore and up. See course description.

#### Chemistry - 8 hours

CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab

#### Computer Science – 4 hours

CSCI	2103/2101	Computer Science I/Lab
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#### Mathematics - 16 hours

MATH	1525	Calculus I
MATH	1545	Calculus II
MATH	2563	Calculus III
MATH	3033	Differential Equations

#### Physics - 8 hours

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

**Electives** – 10 hours of upper-level physics or engineering electives to meet the 40 junior/senior hour requirement.

**Minor in Physics – 19 hours**

The minor in physics provides supporting coursework for students majoring in biology, chemistry, and engineering disciplines. A minor in physics would enhance individuals interested in teaching physics in a secondary school.

PHYS	2203/2201	University Physics I/Lab
PHYS	2213/2211	University Physics II/Lab
PHYS	3053	Modern Physics

8 hours of physics or engineering electives at the junior-senior level

**Pre-Engineering**

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 arranged so 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 should follow the state placement guidelines for placement in math courses. These guidelines are based upon math ACT scores. Students should strive to complete MATH 1525 Calculus I by their fourth semester or summer term 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.

**Pre-Engineering – 65-76 hours****Chemistry - 8 hours**

CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab

**Computer Science - 3 hours as approved by advisor****English - 6 hours**

ENGL	1113	Composition I
ENGL	1123	Composition II

**Engineering - 7 hours**

ENGR	1011	Engineering Methods
ENGR	1213	Engineering Graphics
ENGR	2143	Statics

**Mathematics – 21-22 hours**

MATH	1023	College Algebra
<b>and</b>		
MATH	1033	Plane Trigonometry
<b>or</b>		
MATH	1045	Pre-Calculus 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

3-6 hours of non-technical electives selected from ECON 2103, 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 2083/2081, AGED 2011/2012, GEOL 1003/1001, and GEOL 1013/1011

## Department of Mathematics and Computer Science

Md Enamul Karim, PhD, Chair

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 College 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 Bachelor of Science degrees in mathematics and computer science. The BS in mathematics provides two options: one option offers a curriculum that adheres to the standards of the Mathematical Association of America and relates to students interested in professional or graduate programs requiring extensive math backgrounds. The other option adheres to the standards of the National Council of Teachers of Mathematics for those preparing to teach in public or private schools and requires completion of a minor in teacher education. The curriculum in the Computer Science degree adheres to the professional standards of the Association for Computer Machinery. The BS in Computer Science includes three options: BS in Computer Science, BS in Computer Science with Computer Game and Animation Design, and BS in Computer Science with Cyber Security and Privacy. While all three options cover computer science core courses, the Game and Animation Design Option focuses on introductory and advanced topics in game programming, animation and simulation design, and mobile app development, and the Cyber Security and Privacy Option focuses on cyber defense, cyber forensics, and privacy related courses. A BSMS program is available that facilitates earning the BS and MS degrees in computer science in five years. The BSMS program allows the students using six graduate credit hours towards their undergraduate degree. Minors in mathematics and computer science are also offered.

### Major in Mathematics (BS)

120 hours (Mathematical Association of American Standards)

#### University Requirement - 2 hours

GSTD 1002 Freshman Seminar

**General Education** - 28 hours (Mathematics and physical science courses are included in the major)

#### Mathematics - 37 hours

MATH	1525 (1)	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 selected from the following:

MATH	4003	College Geometry
MATH	4023	Point-Set Topology
MATH	4033	Introduction to Complex Variables
MATH	4043(2)	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	College Chemistry I/Lab and
CHEM	1113/1111	College 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

**Other Requirements – 6-9 hours**

CSCI	2103(3)	Computer Science I
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**Select option A or B**

Option A:

3 hours of computer science at sophomore level or above

Option B:

6 hours of a foreign language at the university level or above

Completion of remaining hours to total 120 hours as approved by the advisor. Student may need additional upper-level hours to complete the required 40 junior/senior hours.

No minor is required in this major.

**Major in Mathematics (BS) with Minor in Education  
optional teaching certification**

120 hours (National Council of Teachers of Mathematics Standards)

**Educator Preparation Provider (EPP) Conceptual Framework: *Attaining Educational Achievement through Collaboration and Reflection***

The mission of the education Educator Preparation Program is to prepare candidates who attain educational achievement through collaboration and reflection. To that end the education preparation program (including content departments), collaborates with K-12 schools, Educational Service Cooperatives, Educational Renewal Zones and other local, state, and national organizations to inculcate high standards of educational achievement for all students. The program engages pre-service and in-service teachers, administrators, counselors and other educators to excel in teaching, leadership, scholarship and service.

The EPP holds the established competencies and dispositions, as described in the conceptual framework, as critical for all initial candidates pursuing a degree in the EPP. See the College of Education section in the catalog.

Graduation with an education minor requires admission to the Teacher Education Program.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education** - 28 hours (Mathematics and physical science courses are included in the major.)

**Mathematics** - 37 hours

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

6 additional hours selected from:

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

**Computer Science** - 6 hours

CSCI	2103	Computer Science I
CSCI	2113	Computer Science II

**Physics** - 8 hours

PHYS	2003/2001	College Physics I/Lab
PHYS	2103/2101	College Physics II/Lab

or

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

**Education** - 30 hours

EDUC	2000	Educational Field Experience, Level I Lab
EDUC	2003	Introduction to Education
EDUC	3013	Educational Psychology
EDUC	4043	Assessment, Evaluation, and Measurement
EDUC	4273	Classroom and Group Management
S ED	3113	Methods and Materials in Secondary and Middle School Mathematics and Sciences
S ED	4023	Supervised Field Experience Level II
SPED	4073	Survey of Exceptional Individuals
S ED	4006	Student Teaching in the Secondary School I
S ED	4103	Student Teaching in the Secondary School II
EDUC	4003	Student Teaching Seminar

**Electives** - 6 hours (unrestricted)

**Minor in Mathematics** - 19 hours

MATH	1525(1)	Calculus I
MATH	1545	Calculus II
MATH	2753	Linear Algebra

6 hours selected from the following:

MATH	3033	Differential Equations
MATH	3063	Abstract Algebra
MATH	3083	Principles of Analysis
MATH	4003	College Geometry
MATH	4023	Point-Set Topology
MATH	4033	Introduction to Complex Variables
MATH	4043 (2)	Numerical Analysis
MATH	4073	Introduction to Probability and Statistics
MATH	4123	History of Mathematics
MATH	4613	Special Topics

**Major in Computer Science (BS)**

120 hours

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 28 hours** (Mathematics and physical science courses are included in the major.)

**Computer Science – 59-62 hours**

CSCI	2103/2101	Computer Science I/Lab
CSCI	2113/2111	Computer Science II/Lab
CSCI	3063	High Level Language
CSCI	3103	Data Structures and Algorithms
CSCI	3143	Network Security
CSCI	3203	Assembler and Machine Organization
CSCI	3213	Computer Networking
CSCI	3233	Theory of Computation
CSCI	3703	Computer Architecture
CSCI	4133	Operating Systems
CSCI	4143	Programming Languages and Compilers
CSCI	4153	Software Engineering
CSCI	4203	Data Modeling and Application
CSCI	4923	Senior Project

15-18 hours of upper-level CSCI/MATH electives

**Mathematics – 16-19 hours**

MATH	2033	Discrete Mathematics
MATH	2753	Linear Algebra

Select 4-5 hours from the following:

MATH	1525	Calculus I
MATH	2124	Applied Calculus

Select 3-5 hours from the following:

MATH	1545	Calculus II
MATH	3143	Applied Probability and Statistics II
MATH	4233	Data Science

Select 3 hours from the following:

MATH	3043	Applied Probability and Statistics I
MATH	4073	Introduction to Probability and Statistics

**Physics - 8 hours**

PHYS	2003/2001	College Physics I/Lab and
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PHYS	2103/2101	College Physics II/Lab
<b>or</b>		
PHYS	2203/2201	University Physics I/Lab and
PHYS	2213/2211	University Physics II/Lab

**Other Requirements – 4 hours**

ENGL	3023	Technical Writing
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Select 1 hour from the following:

CSCI	3901	Special Topics in Computer Science
MGMT	4301	Special Topics in Management

No minor is required in this major.

A five year BSMS is now available in the Computer Science program. Students will follow the degree requirements for the BS in Computer Science. By the end of the fourth year, students should complete 120 credit hours (114 undergraduate + 6 graduate) and receive their BS degree. They should complete additional 24 graduate hours in their fifth year – 6 of those hours are expected to be taken in summer prior to the 5<sup>th</sup> year. After the completion of 144 credit hours (114 undergraduate + 30 graduate) they will be conferred the MS degrees if all other requirements are satisfied. Please meet with your advisor during your junior year, if interested.

**Major in Computer Science (BS)  
Computer Gaming and Animation Design Option  
123 hours**

This is an interdisciplinary program offered in collaboration with the BFA program with an emphasis in Game, Animation, and Simulation Design.

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education - 25 hours** (Mathematics, physical science, and one humanities course are included in the major)

**Computer Science - 38 hours**

CSCI	2103/2101	Computer Science I/Lab
CSCI	2113/2111	Computer Science II/Lab
CSCI	3103	Data Structures and Algorithms
CSCI	3203	Assembler and Machine Organization
CSCI	3213	Computer Networking
CSCI	3233	Theory of Computation
CSCI	3703	Computer Architecture
CSCI	4133	Operating Systems
CSCI	4143	Programming Languages and Compilers
CSCI	4153	Software Engineering
CSCI	4203	Data Modeling and Application
CSCI	4923	Senior Project

**Computer Gaming and Animation Design Option Core - 24 hours**

CSCI	2133	Game Development
CSCI	3043	Game Studio Workshop
CSCI	3053	Fundamentals of Game Programming I
CSCI	3073	Fundamentals of Game Programming II
CSCI	3153	Mobile Application Development

CSCI	3403	Artificial Intelligence
CSCI	3913	Virtual Reality Workshop
CSCI	4163	Computer Graphics

**Art Courses - 6 hours**

ART	1103	Introduction to Game Development
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Select 3 hours from the following:

ART	1043	Two-Dimensional Design
ART	2183	Game Design Management
ART	2193	Introduction to 3D Modeling Tools

**Mathematics – 16-19 hours**

MATH	2033	Discrete Mathematics
MATH	2753	Linear Algebra

Select 4-5 hours from the following:

MATH	1525	Calculus I
MATH	2124	Applied Calculus

Select 3-5 hours from the following:

MATH	1545	Calculus II
MATH	3143	Applied Probability and Statistics II
MATH	4233	Data Science

Select 3 hours from the following:

MATH	3043	Applied Probability and Statistics I
MATH	4073	Introduction to Probability and Statistics

**Physics - 8 hours**

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

**or**

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

**Other Requirements - 4 hours**

ENGL	3023	Technical Writing
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Select 1 hour from the following:

CSCI	3901	Special Topics in Computer Science
MGMT	4301	Special Topics in Management

No minor is required in this major.

Notes:

1. MATH 1525 requires either MATH 1023 and MATH 1033 or MATH 1045 as a prerequisite.
3. CSCI 1102/1101 or an equivalent is recommended as a prerequisite for CSCI 2103.

**Major in Computer Science (BS)  
Cyber Security and Privacy Option  
120 hours**

**University Requirement - 2 hours**

GSTD	1002	Freshman Seminar
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**General Education** - 28 hours (Mathematics and physical science courses are included in the major)

**Computer Science** – 50-53 hours

CSCI	2103/2101	Computer Science I/Lab
CSCI	2113/2111	Computer Science II/Lab
CSCI	3063	High Level Language
CSCI	3103	Data Structures and Algorithms
CSCI	3143	Network Security
CSCI	3203	Assembler and Machine Organization
CSCI	3213	Computer Networking
CSCI	3233	Theory of Computation
CSCI	3703	Computer Architecture
CSCI	4133	Operating Systems
CSCI	4143	Programming Languages and Compilers
CSCI	4153	Software Engineering
CSCI	4203	Data Modeling and Application
CSCI	4923	Senior Project

6-9 hours upper-level CSCI/MATH electives (depending on mathematics options)

**Cyber Security and Privacy Option Core** – 9 hours

CSCI	4213	Privacy Engineering
CSCI	4223	Cyber Forensics
CSCI	4333	Cyber Defense

**Mathematics** – 16-19 hours

MATH	2033	Discrete Mathematics
MATH	2753	Linear Algebra

Select 4-5 hours from the following:

MATH	1525	Calculus I
MATH	2124	Applied Calculus

Select 3-5 hours from the following:

MATH	1545	Calculus II
MATH	3143	Applied Probability and Statistics II
MATH	4233	Data Science

Select 3 hours from the following:

MATH	3043	Applied Probability and Statistics I
MATH	4073	Introduction to Probability and Statistics

**Physics** - 8 hours

PHYS	2003/2001	College Physics I/Lab and
PHYS	2103/2101	College Physics II/Lab
<b>or</b>		
PHYS	2203/2201	University Physics I/Lab and
PHYS	2213/2211	University Physics II/Lab

**Other Requirements** - 4 hours

ENGL	3023	Technical Writing
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Select 1 hour from the following:

CSCI	3901	Special Topics in Computer Science
MGMT	4301	Special Topics in Management

Depending on computer experience, CSCI 1102/1101 or an equivalent is recommended as a prerequisite for CSCI 2103.

No minor is required in this major.

**Minor in Computer Science (4) - 21 hours**

CSCI	2103 (3)	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 (5)	Discrete Mathematics

**Notes:**

1. MATH 1525 requires either MATH 1023 and MATH 1033 or MATH 1045 as a prerequisite.
2. MATH 4043 requires MATH 3033 as a prerequisite.
3. CSCI 1102/1101 or an equivalent is recommended as a prerequisite for CSCI 2103.
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**

Karen Landry, PhD, RN, Embree Chair of Nursing

The Department of Nursing at Southern Arkansas University offers a Bachelor of Science degree in nursing (BSN). The traditional track for pre-licensure students is approved by the Arkansas State Board of Nursing (ASBN) and Accreditation Commission for Education in Nursing. Web links for ASBN is <https://www.arsbn.org/> and ACEN is <http://www.acenursing.org>. Interested parties (students, graduates, and other parties associated with the program) may contact the ACEN to express any statement or concern at the following: 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia, 30326, or by phone at 404-975-5000.

The Arkansas State Board of Nursing (ASBN) requires a criminal background check for all graduates applying for licensure. Graduating from a nursing program does not assure ASBN's approval to take the licensure examination. Eligibility to take the licensure examination is dependent on meeting standards in the ASBN's Nurse Practice Act and Rules. You will be required to sign a statement, before beginning the nursing program, that states you have read and understood ACA §17-87-312 and ACA §17-3-102 the specific offenses which, if pleaded guilty, nolo contendere, or found guilty of will make an individual ineligible to receive or hold a license in Arkansas. You can access the information at

[https://www.arsbn.org/Websites/arsbn/images/NURSEPRACTICEACT\\_2020.Subchapter3.pdf](https://www.arsbn.org/Websites/arsbn/images/NURSEPRACTICEACT_2020.Subchapter3.pdf) and <https://www.arsbn.org/Websites/arsbn/images/CBCAct990of2019.Feb20.pdf>.

Due to the nature of professional training in the field of nursing, successful completion of academic courses provides only a partial indication of student competency. Therefore, all students in the nursing program, with the exception of RN-BSN students, are required to pass a standardized comprehensive computerized exam in order to successfully meet the requirements for the degree. More information concerning this exam is available on the nursing website at [www.saumag.edu/nursing](http://www.saumag.edu/nursing) to progress in the BSN Student Handbook..

## **Bachelor of Science in Nursing**

Baccalaureate nursing education prepares the graduate for entry into professional practice as a generalist who provides evidence-based care for persons as individuals, members of families/groups, and communities in both structured and unstructured health care settings. The purpose of the baccalaureate degree in nursing program is to provide both a general education in the liberal arts and sciences and nursing. The Bachelor of Science in Nursing (BSN) program consists of eight academic semesters and includes 59 hours of general education/support courses and 61 hours credit in nursing courses. Clinical laboratory experiences are based in selected community hospitals and allied health agencies. Nursing courses with a clinical component include a 1:1 credit hour to contact hour ratio for theory and a 1:3 credit hour to contact hour ratio for clinical learning experiences. For example, a six-hour credit nursing course consists of four credit/four contact hours of theory and two credit/six contact hours of clinical learning experiences a week. Students are required to complete an average of six contact hours a week of clinical learning experiences over a 15-week semester, or 90 clinical hours. Students must earn a C or higher in all nursing courses.

### **Major in Nursing - (BSN)**

120 hours

### **University Requirement - 2 hours**

GSTD                      1002                      Freshman Seminar

**General Education** - 31 hours (Physical science course is included in the major). BIOL 2063/2061 Anatomy & Physiology I/Lab, PHIL 2403 Introduction to Philosophy and Ethics, and PSYC 2003 General Psychology are required.

**Biological Science** - 11 hours

BIOL	2003	Nutrition & Diet
BIOL	2073/2071	Anatomy & Physiology II/Lab
BIOL	3613/3611	Microbiology for Nursing and Allied Health/Lab

**Physical Science** - 4 hours

CHEM	1013/1011	College Chemistry I/Lab
CHEM	1023/1021	University Chemistry I/Lab

**Other Requirements** - 7 hours

PSYC	3223	Developmental Psychology
MATH	1001	Math for Allied Health

Select 3 hours from the following:

SOC	3183	Statistics
MATH	3043	Applied Probability and Statistics I

**Elective** – 1 hour

1 hour of unrestricted elective

**Nursing Requirements** – 64 hours

NURS	2003	Introduction to Professional Nursing
NURS	3083	Foundations of Mental Health Nursing
NURS	3093	Techniques of Health Assessment
NURS	3101	Introduction to Pharmacology
NURS	3103	Gerontological Nursing
NURS	3206	Nursing Care I - Foundations
NURS	3303	Pathophysiology for Nurses
NURS	3307	Nursing Care II – Acute Care
NURS	3403	Nursing Research for Evidence Based Practice
NURS	3412	Pharmacology II
NURS	4092	Contemporary Issues and Ethics in Nursing
NURS	4121	Pharmacology III
NURS	4123	Synthesis of Nursing Concepts
NURS	4205	Leadership & Management in Nursing Practice
NURS	4214	Nursing Care III: Pediatrics
NURS	4224	Nursing Care III: Community Health
NURS	4234	Nursing Care III: Maternal Newborn
NURS	4307	Nursing Care IV–Complex Care

**Admission into the BSN Program**

A prospective nursing student must complete the following courses before being admitted into the BSN program:

**Nursing Science Core Courses (NSCCs)**

BIOL	2063/2061	Anatomy & Physiology I/Lab
BIOL	2073/2071	Anatomy & Physiology II/Lab
BIOL	3613/3611	Microbiology for Nursing and Allied Health/Lab
CHEM	1013/1011	College Chemistry I/Lab

or



CHEM	1023/1021	University Chemistry I/Lab
MATH	1023	College Algebra
	<b>or</b>	
MATH	1045	Pre-Calculus
	<b>or</b>	
MATH	1525	Calculus I

**Additional Nursing Curriculum Support Courses**

ENGL	1113	Composition I
ENGL	1123	Composition II
PSYC	2003	General Psychology
PHIL	2403	Introduction to Philosophy and Ethics
ENGL	2213	World Literature I
	<b>or</b>	
ENGL	2223	World Literature II

3 hours from the following:

ENGL	2213	World Literature I
ENGL	2223	World Literature II
ART	1103	Introduction to Game Development
ART	2013	Art Appreciation
HUM	2003	Film Appreciation
MUS	2003	History of Rock Music
MUS	2013	Music Appreciation
THEA	2003	Theatre Appreciation

3 hours Foreign Language

3 hours from the following:

HIST	2013	U.S. History I
HIST	2023	U.S. History II
PSCI	2003	American Government: National

3 hours from the following:

HIST	1003	World History I
HIST	1013	World History II

**Other Requirements - 11 hours**

BIOL	2003	Nutrition and Diet
MATH	1001	Math for Allied Health
NURS	2003	Introduction to Professional Nursing
PSYC	3223	Developmental Psychology
SOC	3183	Statistics
	<b>or</b>	
MATH	3043	Applied Probability and Statistics I

1 hour of elective

A minimum 2.85 GPA is required in Nursing Science Core Courses (NSCCs). GPA for admission to the department will be calculated based on NSCCs completed at the time of application.

\*To be considered for admission into the BSN degree program the student must:

1. Be admitted to SAU with regular or conditional admission status and maintain a 2.00 GPA at SAU.

2. Transfer students currently enrolled in other universities at the time of application will be considered for admission into the nursing program if the following documents are on file in the SAU Office of Admissions: completed SAU application form; valid ACT or SAT scores (if available); completed high school transcript or GED scores; college transcripts through the previous semester; and required immunization records. International students must contact the International Student Services Office. Admission to the University does not mean automatic admission to the Department of Nursing. See [www.saumag.edu/nursing](http://www.saumag.edu/nursing) website for application deadlines.
3. Recognize that priority ranking will be given to students who have successfully completed all non-nursing support courses for the degree.
4. Have a minimum 2.85 GPA in Nursing Science Core Courses (NSCCs).
5. The GPA for admission to the department will be calculated based on NSCCs completed at the time of application.
6. NSCCs and courses applying towards the BSN degree must be completed with a *C* or better. Students with *Ds* or *Fs* in these courses will not be admitted.
7. GPA will be calculated to include all science courses ever taken. Admission is denied for the applicant with more than three unsuccessful attempts at obtaining a passing grade in a science course.
8. Complete a standardized preadmission examination administered through the Office of Counseling and Testing. This exam is for diagnostic purposes. ATI TEAS (Test of Essential Academic Skills) pre-admission examination scores must be 75% or greater. The reported score does not round up to 75%. There is a minimum of 2 weeks between attempts to allow for students self-remediation.
9. Have proof of the following infectious disease immunizations and screenings:
  - a. Influenza vaccine during current flu season
  - b. Rubeola (Measles), Mumps, Rubella (MMR) – 2 vaccine doses or positive titer.
  - c. Tetanus, Diphtheria, Pertussis (Tdap) within the past 10 years
  - d. 2-step Mantoux tuberculin skin test (TST) or clear chest X-ray
  - e. Varicella vaccine or positive or medically documented history of disease
  - f. Hepatitis B 3 vaccine series or positive titer
10. To comply with mandates from clinical agencies utilized by the SAU Department of Nursing, students enrolled in all nursing programs are required at the time of conditional acceptance or acceptance into the program and yearly thereafter to have a criminal background checks, driving history record check, child maltreatment check, long term care check, and urine drug screening in order to remain enrolled in any nursing course. All screenings are conducted at the expense of the individual student. More information and pricing are available on the nursing website at [www.saumag.edu/nursing](http://www.saumag.edu/nursing)
11. Dependent upon clinical site availability to the nursing program, travel will be required to clinical sites in Southwest Arkansas, Central Arkansas, and/or East Texas.
12. Realize if an injury occurs in the clinical setting, the student is responsible for all applicable cost related to the injury. Students are strongly encouraged to obtain

health insurance. Information concerning health insurance available for SAU students may be accessed on the nursing website at [www.saumag.edu/nursing](http://www.saumag.edu/nursing).

13. Submit a completed Department of Nursing BSN Program application according to the deadlines posted on the nursing website at [www.saumag.edu/nursing](http://www.saumag.edu/nursing).
14. Applications to the BSN Program may be obtained, completed, and submitted electronically via the Department of Nursing website at [www.saumag.edu/nursing](http://www.saumag.edu/nursing). Please attach an electronic copy of the following: a) completed BSN Program application; b) unofficial college transcripts; c) proof of Hepatitis B vaccination series; d) TEAS pre-admission examination scores; and e) other pertinent information that may be needed for consideration regarding admission to the BSN Program.
15. Applications to the BSN Program may also be printed from the Department of Nursing website, completed, and mailed to the Department of Nursing. Please include a printed copy of the following: a) completed BSN Program application; b) unofficial college transcripts; c) proof of Hepatitis B vaccination series; d) TEAS pre-admission examination scores; and e) other pertinent information that may be needed for consideration for admission. Mail to:

Southern Arkansas University  
Department of Nursing  
Attn: BSN- Application  
100 E. University  
MSC 9406  
Magnolia, AR 71753  
OR delivered to Wharton Nursing Building, room 201A.

\*All exceptions to these requirements must be approved by the Nursing Department Chair and Dean of the College. A particularly strong GPA or TEAS score may, at the discretion of the Department Chair, compensate for a deficiency in another area.

#### **Policy for Transfer Students with Nursing Credit**

Transfer requests are considered on an individual basis. Students previously enrolled in another nursing program must forward a letter requesting transfer, submit a BSN Transfer Nursing Student application, and attach copies of all unofficial college transcripts. Students who are requesting transfer from another nursing program are also required to provide a letter from the program dean/chair/director of eligibility to reenter their previous nursing program in order to be eligible for consideration in the SAU nursing program. If a student has failed a nursing course, the request for transfer is classified as an academic reentry request, and reentry policies apply. If a student has failed more than one nursing course they are not eligible for consideration for entry into the SAU nursing program. Transfer equivalency information for Nursing Science Core Courses can be accessed through [www.saumag.edu/admissions](http://www.saumag.edu/admissions).

#### **Admission Selection for Transfer Students**

Students who meet application requirements will be selected for entry into the nursing program based on grade point average in Nursing Science Core Courses (NSCC), TEAS scores, and number of NSCC hours completed on SAU campus. The ranking of admissions is as follows:

1. Students will be initially ranked by grade point average in the NSCCs, TEAS scores, and number of NSCC hours completed on SAU campus.

2. If more than one student has the same grade point average in the NSCCs and the same TEAS scores, students will be randomly ranked.

Students who are not initially selected or who submit a late application will be placed on a waiting list. Placement on the waiting list will be in order of grade point average in the NSCCs. Spaces, which become available prior to the beginning of the semester, will be filled from the waiting list. Students not admitted from the waiting list must re-apply. Please see the SAU Department of Nursing website for application deadlines.

#### **RN to BSN Completion Program**

The RN to BSN Completion Program provides qualified registered nurses the opportunity to complete the requirements for a bachelor's degree in nursing with two years of full-time study. Once enrolled in upper level nursing courses, a student may complete the curriculum at their own pace, ranging from one to six years.

The faculty recognize that a significant number of returning students elect to attend college part-time in order to maintain work and/or family responsibilities. Therefore, the program is designed to accommodate the working non-traditional part-time student. Students are encouraged to complete the prerequisites prior to enrolling in upper division nursing courses; however, admission is granted for those students completing the minimum nine hours of pre-requisite courses listed under the admission requirements.

Since the RN to BSN Completion Program courses are available online, students are able to study and participate in class discussions any time day or night, according to the student's personal schedule.

There are associated clinical hours with two of the nine BSN courses. These clinical hours are carried out under the supervision of an approved preceptor at a facility determined by the student and course faculty. Clinical hours are scheduled by the student in conjunction with faculty and preceptor.

Nursing courses with a clinical component include a 1:1 credit hour to contact hour ratio for theory and a 1:3 credit hour to contact hour ratio for clinical learning experiences. For example, a five-hour credit nursing course consists of three-credit/three-contact hours of theory and two-credit/six-contact hours of clinical learning experiences a week. Students are required to complete an average of six-contact hours a week of clinical learning experiences over a 15-week semester, or 90 clinical hours.

#### **Major in Nursing - (RN to BSN)**

120 hours

**General Education** - 31 hours (Physical science course is included in the major). BIOL 2063/2061 Anatomy & Physiology I/Lab, PHIL 2403 Introduction to Philosophy and Ethics, and PSYC 2003 General Psychology are required.

#### **Biological Science** – 8 hours

BIOL	2073/2071	Anatomy & Physiology II/Lab
BIOL	3023/3021	Microbiology/Lab

**or**

BIOL	3613/3611	Microbiology for Nursing and Allied Health/Lab
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#### **Physical Science** - 4 hours

CHEM	1013/1011	College Chemistry I/Lab
CHEM	1023/1021	University Chemistry I/Lab

#### **Computer Science** - 3 hours

CSCI 1053 Computer Concepts and Applications for Allied Health

or

CSCI 1102/1101 Introduction to Computing/Lab

**Other Requirements - 9 hours**

SPCH 1113 Introduction to Public Speaking

Select 3 hours from the following:

SOC 3183 Statistics

MATH 3043 Applied Probability and Statistics I

Select 3 hours from the following:

SOC 3033 Sociology of Marriage and Family

SOC 3013 Social Problems

SOC 4073 Social Gerontology

**Nursing Curriculum – 64 hours**

36 hours from approved associate nursing degree

NURS 3001 Orientation for Online RN-BSN Completion Program

NURS 3003 Health Assessment

NURS 3013 Issues and Trends in Nursing

NURS 3035 Community Health Nursing++

NURS 3043 Introduction to Nursing Research

NURS 3053 The Business of Health Care

NURS 3502 Informatics in Nursing

NURS 4015 Leadership and Management++

NURS 4113 Evidence-Based Nursing

++Courses with a clinical component

Student may need additional upper-level hours to complete the required 40 junior/senior hours.

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. Please note that graduation from SAU with a BSN requires the student to have completed 40 junior/senior hours.

To meet admission requirements for the Department of Nursing, the applicant must:

1. Be admitted to SAU with regular or conditional admission status and/or maintain a cumulative 2.00 GPA at SAU.
2. Be a graduate from an accredited associate degree program or diploma program.
3. Students are encouraged to complete all general education requirements prior to enrolling in upper division nursing courses.
4. Students who have completed SPCH 1113: Introduction to Speech, PHIL 2403: Introduction to Philosophy and Ethics; and SOC 3183: Statistics may be allowed to enroll in the upper division nursing courses.
5. Have transcripts evaluated by nursing faculty if transferring from another college or university. NOTE: SAU's Department of Nursing follows the Arkansas Nursing

Articulation Model for transfer credits in nursing; however, courses taken at community colleges are not counted as part of the junior/senior hours required for graduation at SAU.

6. Possess an unencumbered state license to practice in the state in which the clinical experiences will be obtained.
7. Have proof of Hepatitis B vaccination, TB screening, and current American Heart Association CPR certification.
8. To comply with mandates from clinical agencies utilized by the SAU Department of Nursing, students enrolled in all nursing programs are required at the initial semester of enrollment and yearly thereafter to have criminal background checks, driving history record checks, and urine drug screens in order to remain enrolled in any nursing course. All screenings are conducted at the expense of the individual student. More information and pricing are available on the nursing website at [www.saumag.edu/nursing](http://www.saumag.edu/nursing).
9. Realize if an injury occurs in the clinical setting, the student is responsible for all applicable cost related to the injury. Students are strongly encouraged to obtain health insurance. Information concerning health insurance available for SAU students may be accessed at the following website: [www.saumag.edu](http://www.saumag.edu).
10. Submit a completed Department of Nursing application according to the deadlines posted on the nursing website.
11. Application forms may be obtained from the Nursing Department or from our website [www.saumag.edu/nursing](http://www.saumag.edu/nursing).
12. Mail application and a copy of all unofficial transcripts to:

Southern Arkansas University  
Department of Nursing  
Attention: RN-BSN Program Application  
100 E. University  
MSC 9406  
Magnolia, AR 71753  
Or deliver to Wharton Nursing Building, room 201A.

#### **Transfer Nursing Students**

Students previously enrolled in another RN to BSN Completion nursing program must forward a letter requesting transfer and attach copies of all unofficial college transcripts. Students who are requesting transfer from another nursing program are also required to provide a letter from the program dean/chair/director of eligibility to reenter their previous nursing program in order to be eligible for consideration in the SAU nursing program. Transfer credit will be considered on an individual basis.

#### **Student Nurses Association**

The Southern Arkansas University Student Nurses' Association (SNA) is the local chapter of the Arkansas Student Association (ANSA) and the National Nurses' Association (NSNA). The NSNA defines the membership and purpose of the organization as "a nonprofit organization for students enrolled in associate, baccalaureate, diploma, and generic graduate nursing programs. It is dedicated to fostering the professional development of nursing students."

The purpose of the SAU SNA chapter is to improve health care of all people by promoting development of the individual student nurse as a future health care professional; to provide programs representative of fundamental and current professional concerns; to form a network of contacts consisting of, but not limited to, students, faculty, and professional associates; and to aid in the development of the whole person, his/her professional nursing role, and his/her responsibility for the health care of people in all walks of life.

The SNA is actively involved on campus and the community, participating in hundreds of service hours each academic year. ANSA State Convention is held in the fall, Midyear Conference follows, and NSNA National Convention occurs each spring.

Students who join NSNA are eligible to run for an officer, director, or class representative position at the chapter level during the annual election. Members are also eligible to run for positions on the state and national level. The SAU SNA chapter conducts monthly meetings for chapter business.

SAU Student Nurses' Association <http://web.saumag.edu/nursing/sau-sna/>

National Student Nurses' Association (NSNA) [www.nсна.org](http://www.nсна.org)

Arkansas Nursing Student's Association (ANSA) [www.arknursingstudents.com](http://www.arknursingstudents.com)

**College of Science and Engineering**  
**PACT 8 Degree Plans**



### Associate of Agricultural Science (AS)

Suggested Degree Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	AGEC 2073 Principles of Agricultural Economics	3
PLSC 1003 Introduction to Plant Science	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
ANSC 1003/1001 Introduction to Animal Science/Lab	4	PLSC 2002/2001 Principles of Horticulture/ Lab	3
GSTD 1002 Freshman Seminar	2	BIOL 1203/1201 Principles of Biology I/Lab	4
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3
CHEM 1013/1011 College Chemistry I/Lab or CHEM 1023/1021 University Chemistry I/Lab**	4	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
ANSC 2013 Animal Anatomy and Physiology	3	AGED 2011/2012 Agricultural Structures/Lab	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	ANSC 2002/2001 Animal Nutrition I/Lab	3
PLSC 2022/2021 Elements of Forestry/Lab	3	PLSC 2012/2011 Soil Science/Lab	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>

Total hours required for major - 62

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*Required for Agricultural Science

### Agricultural Business (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall – Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
PLSC 1003 Introduction to Plant Science	3	PLSC 2002/2001 Principles of Horticulture/Lab	3
ANSC 1003/1001 Introduction to Animal Science/Lab	4	AGEC 2073 Principles of Agricultural Economics	3
ANSC 1000 Farm Experience	0	BIOL 1203/1201 Principles of Biology I/Lab	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall – Semester 3		Spring - Semester 4	
AGEC 3043 Farm Management	3	ANSC 2002/2001 Animal Nutrition I/Lab	3
CHEM 1013/1011 College Chemistry I/Lab or CHEM 1023/1021 University Chemistry I/Lab	4	AGEC 2103 Agribusiness Financial Statements and Planning	3
ANSC 2013 Animal Anatomy and Physiology	3	PLSC 2012/2011 Soil Science/Lab	3
ACCT 2113 Survey of Accounting	3	ECON 2203 Principles of Macroeconomics	3
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall – Semester 5		Spring - Semester 6	
AGEC 3003 Marketing of Agricultural Products	3	AGRI 4023 Agribusiness Management	3
AGED 3003 Leadership and Communications	3	GBUS 2003 Legal Environment of Business	3
GBUS 2013 Quantitative Analysis I	3	AGEC 3033 Agricultural Futures and Options	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
		AGEC 3063 Agricultural Data Management and Analysis	3
<b>Total Semester Hours</b>	<b>12</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall – Semester 7		Spring - Semester 8	
AGEC 4013 International Business in Agriculture	3	Agricultural Mechanics Elective	3
UL Agricultural Economics Elective	3	AGEC 3083 Agribusiness Entrepreneurship	3
AGRI 4033 Issues in Agriculture	3	AGEC 4043 Agricultural Finance	3
MGMT 3023 Organizational Theory and Behavior	3	UL Agricultural Science Elective	4
UL Agricultural Science Elective	3	MGMT 2003 Business Communications	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Fall	Spring
<b>Agricultural Science Electives</b>	<b>Agricultural Science Electives</b>
AGEC 4501-3 Special Problems in Agricultural Business	AGEC 4501-3 Special Problems in Agricultural Business
ANSC 3113/3111 Non-Ruminant Animal Production/Lab	ANSC 3103/3101 Ruminant Animal Production/Lab
PLSC 3032/3031 Greenhouse Management/Lab	<b>Agricultural Business Electives</b>
<b>Agricultural Business Electives</b>	AGEC 4063 Risk Management in Agriculture
AGEC 4053 Agricultural Policies and Problems	<b>Agricultural Mechanics Electives</b>
<b>Agricultural Mechanics Electives</b>	AGED 2021/2022 Agricultural Metals/Lab
AGED 2021/2022 Agricultural Metals/Lab	AGEC 2011/2012 Agricultural Structures/Lab
AGED 2001/2002 Agriculture Power/Lab	

### Agricultural Education (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	AGED 2003/2000 Introduction to Agricultural Education/Lab	3
PLSC 1003 Introduction to Plant Science	3	BIOL 1203/1201 Principles of Biology I/Lab	4
ANSC 1003/1001 Introduction to Animal Science/Lab	4	PLSC 2002/2001 Principles of Horticulture/Lab	3
ANSC 1000 Farm Experience	0	AGEC 2073 Agriculture Economics	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
CHEM 1013/1011 College Chemistry I or CHEM 1023/1021 University Chemistry I	4	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3	Agricultural Mechanics Choice	3
ANSC 2013 Animal Anatomy and Physiology	3	ANSC 2002/2001 Animal Nutrition I/Lab	3
PLSC 2022/2021 Elements of Forestry/Lab	3	PLSC 2012/2011 Soils/Lab	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
AGEC 3043 Farm Management	3	AGED 4002 Supervised Field Experience II - Agriculture	2
Agricultural Mechanics Choice	3	SPED 4073 Survey of Exceptional Individual	3
AGED 3003 Leadership and Communication	3	AGED 4013 Methods in Agricultural Education	3
EDUC 3013 Educational Psychology	3	Agricultural Mechanics Choice	3
Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	AGED 4001 Classroom & Group Management in Agricultural Education	1
		Agricultural Science Elective	4
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 7		Spring - Semester 8	
AGED 4023 Program Development	3	EDUC 4003 Student Teaching Seminar	3
AGED 4032/4031 Teaching and Learning in Agricultural Mechanics/Lab	3	S ED 4006 Student Teaching in the Secondary School I	6
AGED 4042/4041 Teaching and Learning in Agricultural Education Laboratories/Lab	3	S ED 4103 Student Teaching in the Secondary School II	3
AGRI 4033 Issues in Agriculture	3		
Agricultural Science Elective	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Fall	Spring
<b>Agricultural Mechanics Electives</b>	<b>Agricultural Mechanics Electives</b>
AGED 2021/2022 Agricultural Metals/Lab	AGED 2011/2012 Agricultural Structures/Lab
AGED 2001/2002 Agricultural Power: Electricity and Small Engines/Lab	<b>Agricultural Science Electives</b>
<b>Agricultural Science Electives</b>	ANSC 3103/3101 Ruminant Animal Production/Lab
ANSC 3113/3111 Non-Ruminant Animal Production/Lab	
AGRI 4452/4451 Internship in Agriculture I & II	
PLSC 3032/3032 Greenhouse Management/Lab	

### Agricultural Science – Animal Science Option (BS)

Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	AGEC 2073 Principles of Agricultural Economics	3
PLSC 1003 Introduction to Plant Science	3	PLSC 2002/2001 Principles of Horticulture/Lab	3
ANSC 1003/1001 Introduction to Animal Science/Lab	4	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
ANSC 1000 Farm Experience	0	BIOL 1203/1201 Principles of Biology I/Lab	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	ANSC 2002/2001 Animal Nutrition I/Lab	3
ANSC 2013 Animal Anatomy and Physiology	3	BIOL 1213/1211 Principles of Biology II/Lab	4
PLSC 2022/2021 Elements of Forestry/Lab	3	PLSC 2012/2011 Soil Science/Lab	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 5		Spring - Semester 6	
AGEC 3043 Farm Management	3	ANSC 3023 Animal Nutrition II	3
AGED 3003 Leadership and Communications	3	ANSC 3053 Animal Breeding	3
ANSC 3013 Animal Diseases and Health	3	ANSC 4003 Advanced Animal Physiology	3
BIOL 3033/3031 Genetics/Lab	4	ANSC 3042/3041 Animal Reproductive Physiology/Lab	3
		PLSC 3013 Forage Production	3
<b>Total Semester Hours</b>	<b>13</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
AGEC 3003 Marketing of Agricultural Products	3	Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
AGRI 4033 Issues in Agriculture	3	Agricultural Mechanics Elective	3
BIOL 3023/3021 Microbiology/Lab	4	Animal Science Elective	3
PLSC 3073/3071 Entomology	4	Animal Science Elective	3
Animal Science Elective	3		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for Major – 121

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Fall - Animal Science Electives	Spring - Animal Science Electives
AGRI 4501-3 Special Problems in Animal Science	AGEC 4501-3 Special Problems in Animal Science
AGRI 4452/4551 Internship in Agriculture I & II	ANSC 4102/4101 Beef Production/Lab
<b>Offered on demand only</b>	<b>Agricultural Mechanics Electives</b>
ANSC 4122/4121 Swine Production/Lab	AGED 2021/2022 Agricultural Metals/Lab
ANSC 4132/4131 Poultry Production/Lab	AGED 2011/2012 Agricultural Structures/Lab

### Agricultural Science – Plant Science Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	AGEC 2073 Principles of Agricultural Economics	3
PLSC 1003 Introduction to Plant Science	3	PLSC 2002/2001 Principles of Horticulture/Lab	3
ANSC 1003/1001 Introduction to Animal Science/Lab	4	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
ANSC 1000 Farm Experience	0	BIOL 1203/1201 Principles of Biology I/Lab	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
CHEM 1023/1021 University Chemistry I/Lab	4	ANSC 2002/2001 Animal Nutrition I/Lab	3
ANSC 2013 Animal Anatomy and Physiology	3	BIOL 1213/1211 Principles of Biology II/Lab	4
PLSC 2022/2021 Elements of Forestry/Lab	3	CHEM 1123/1121 University Chemistry II/Lab	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	PLSC 2012/2011 Soil Science/Lab	3
Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 5		Spring - Semester 6	
PLSC 4002/4001 Weed Science/Lab	3	PLSC 3083/3081 Plant Physiology/Lab	4
BIOL 3023/3021 Microbiology/Lab	4	Plant Science Elective	3
PLSC 3073/3071 Entomology/Lab	4	Plant Science Elective	3
World Literature I/II (ENGL 2213 or ENGL 2223)	3	PLSC 3013 Forage Production	3
AGEC 3043 Farm Management	3	Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 7		Spring - Semester 8	
AGEC 3003 Marketing of Agricultural Products	3	AGED 3003 Leadership and Communication	3
AGRI 4033 Issues in Agriculture	3	Agricultural Mechanics Elective	3
BIOL 3033/3031 Genetics/Lab	4	Plant Science Elective	3
PLSC 3042/3041 Advanced Soil Science/Lab	3	Plant Science Elective	3
Plant Science Elective	3		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for Major – 122

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Fall - Plant Science Electives	Spring - Plant Science Electives
AGRI 4501-3 Special Problems in Plant Science	ANSC 3103/3101 Ruminant Animal Production/Lab
AGRI 4452/4551 Internship in Agriculture I & II	PLSC 4022/4021 Introduction to Plant Pathology/Lab
PLSC 3032/3031 Greenhouse Management/Lab	PLSC 4501-3 Special Problems in Plant Science
BIOL 4013/4011 Ecology/Lab	PLSC4033 Agronomic Production
PLSC 4043 Plant Breeding	
ANSC 3113/3111 Non-Ruminant Animal Production/Lab	
Agricultural Mechanics Electives	Agricultural Mechanics Elective
AGED 2001/2002 Agricultural Power/Lab	AGED 2011/2012 Agricultural Structures/Lab
AGED 2021/2022 Agricultural Metals/Lab	

### Agricultural Science – Poultry Science Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
PLSC 1003 Introduction to Plant Science	3	PLSC 2002/2001 Principles of Horticulture/Lab	3
POSC 1003/1001 Introduction to Poultry Science/Lab	4	AGEC 2073 Principles of Agricultural Economics	3
ANSC 1000 Farm Experience	0	BIOL 1203/1201 Principles of Biology I/Lab	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
ANSC 2013 Animal Anatomy and Physiology	3	ANSC 2002/2001 Animal Nutrition I/Lab	3
PLSC 2022/2021 Elements of Forestry/Lab	3	PLSC 2012/2011 Soil Science/Lab	3
World Literature I/II (ENGL 2213 or ENGL 2223)	3	BIOL 1213/1211 Principles of Biology II/Lab	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 5		Spring - Semester 6	
AGEC 3043 Farm Management	3	AGEC 3033 Agricultural Futures and Options	3
POSC 3013 Poultry Diseases and Health	3	ANSC 3053 Animal Breeding	3
BIOL 3033/3031 Genetics/Lab	4	ANSC 4003 Advanced Animal Physiology	3
Agricultural Mechanics Elective	3	POSC 3023 Poultry Nutrition	3
		POSC 3042/3041 Egg and Meat Technology/Lab	3
<b>Total Semester Hours</b>	<b>13</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
AGEC 3003 Marketing of Agricultural Products	3	POSC 4152/4151 Poultry Breeder Management/Lab	3
AGRI 4033 Issues in Agriculture	3	POSC 4132/4131 Poultry Production/Lab	3
BIOL 3023/3021 Microbiology/Lab	4	AGEC 4023 Agribusiness Management	3
POSC 4003 Avian Anatomy and Physiology	3	Poultry Science Elective	3
Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for Major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Poultry Science Electives	Agricultural Mechanics Electives
AGRI 4452/4551 Internship in Agriculture I & II	AGED 2002/2001 Agriculture Power: Electricity and Small Engines/Lab
ANSC 4501-3 Special Problems in Animal Science	AGED 2011/2012 Agricultural Structures/Lab
	AGED 2021/2022 Agricultural Metals/Lab

### Agricultural Science – Pre-Veterinary Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	AGEC 2073 Principles of Agricultural Economics	3
PLSC 1003 Introduction to Plant Science	3	PLSC 2002/2001 Principles of Horticulture/Lab	3
ANSC 1003/1001 Introduction to Animal Science/Lab	4	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
ANSC 1000 Farm Experience	0	BIOL 1203/1201 Principles of Biology I/Lab	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
ANSC 2013 Animal Anatomy and Physiology	3	ANSC 2002/2001 Animal Nutrition I/Lab	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003, or Foreign Language)		BIOL 1213/1211 Principles of Biology II/Lab	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	PLSC 2012/2011 Soil Science/Lab	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 5		Spring - Semester 6	
ANSC 3013 Animal Diseases and Health	3	ANSC 3023 Animal Nutrition II	3
BIOL 3033/3031 Genetics/Lab	4	ANSC 3053 Animal Breeding	3
CHEM 3003/3001 Organic Chemistry I/Lab	4	ANSC 4003 Advanced Animal Physiology	3
MATH 3043 Applied Probability and Statistics I	3	CHEM 3073/3071 Biochemistry I/Lab	4
SPCH 1113 Introduction to Public Speaking	3	BIOL 3023/3021 Microbiology/Lab	4
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 7		Spring - Semester 8	
AGRI 4033 Issues in Agriculture	3	ANSC 3042/3041 Animal Reproductive Physiology/Lab	3
BIOL 2403 Medical Terminology	3	Animal Science Elective	3
Animal Science Elective	3	PLSC 3013 Forage Production	3
PHYS 2003/2001 College Physics I/Lab	4	PHYS 2103/2101 College Physics II/Lab	4
AGEC 3043 Farm Management	3		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>13</b>

Total hours required for Major – 127

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Fall - Animal Science Electives	Spring - Animal Science Electives
AGRI 4452/4551 Internship in Agriculture I & II	ANSC 4102/4101 Beef Production/Lab
<b>Offered on demand only</b>	
ANSC 4122/4121 Swine Production/Lab	
ANSC 4132/4131 Poultry Production/Lab	

### Associate of Science in Chemistry (AS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
CHEM 1501 Background and Strategies in Chemistry	1	ENGL 1123 Composition II	3
ENGL 1113 Composition I	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003, or Foreign Language)	3
MATH 1045 Pre-Calculus Mathematics	5	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshman Seminar	2	CHEM 1123/1121 University II Chemistry/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
CHEM 3003/3001 Organic Chemistry I/Lab	4	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
BIOL 1203/1201 Principles of Biology I/Lab	4	CHEM 3103/3101 Organic Chemistry II/Lab	4
Science and Engineering Elective	3	CHEM 2012/2001 Analytical Chemistry /Lab	3
		Science and Engineering Elective	2
<b>Total Semester Hours</b>	<b>14#</b>	<b>Total Semester Hours</b>	<b>15</b>

Total hours required for major – 60

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

#Scholarship requirements may require the student to enroll in a minimum number of hours each semester.



### Chemistry Major - Science Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
CHEM 1501 Background & Strategies in CHEM	1	ENGL 1123 Composition II	3
ENGL 1113 Composition I	3	MATH 1525 Calculus I	5
MATH 1045 Pre-Calculus Mathematics	5	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	CHEM 2012/2001 Analytical Chemistry/Lab	3
BIOL 1203/1201 Principles of Biology I/Lab	4	MATH 1545 Calculus II	5
CHEM 3003/3001 Organic Chemistry I/Lab	4	CHEM 3103/3101 Organic Chemistry II/Lab	4
SPCH 1113 Introduction to Public Speaking	3	ENGL 3003 Advanced Professional Writing	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	4	CHEM 3233/3231 Intermediate Inorganic Chemistry CHEM 3231 Intermediate Inorganic Chemistry Lab**	3-4**
CHEM 3313/3311 Instrumentation I/Lab or CHEM 4313/4311 Instrumentation II/Lab	4	CHEM 3073/3071 Biochemistry I CHEM 3071 Biochemistry I Lab **	3-4**
PHYS 2203/2201 University Physics I/Lab	4	PHYS 2213/2211 University Physics II/Lab	4
MATH 2563 Calculus III	3	CHEM Elective	2
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 7		Spring - Semester 8	
CHEM 4403/4401 Physical Chemistry: Thermodynamics/Lab	4	CHEM 4413/4411 Physical Chemistry: Quantum and Kinetics/Lab	4
CHEM 4051 Senior Seminar	1	CHEM 4701-2 Undergraduate Research	2
CHEM 4701 Undergraduate Research	1	Elective	6
Science and Engineering Elective	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
CHEM 3313/3311 Instrumentation I/Lab or CHEM 4313/4311 Instrumentation II/Lab	4		
<b>Total Semester Hours</b>	<b>13</b>	<b>Total Semester Hours</b>	<b>15</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Chemistry Electives

\*\*Either CHEM 3231 or CHEM 3071 is required for the chemistry core hours.

CHEM 4013 Advanced Organic Chemistry	CHEM 4701-3 Undergraduate Research
CHEM 4033 Advanced Inorganic Chemistry	CHEM 4791-3 Advanced Topics in Chemistry I
CHEM 4043/4041 Advanced Analytical Chemistry/Lab	CHEM 4891-3 Advanced Topics in Chemistry II
CHEM 4073 Biochemistry II	CHEM 4991-3 Advanced Topics in Chemistry III

### Chemistry Major - Pre-Health Professional Biochemistry Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1045 Pre-Calculus Mathematics	5	MATH 1525 Calculus I	5
CHEM 1501 Background and Strategies in Chemistry	1	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3
BIOL 1203/1201 Principles of Biology I/Lab	4	BIOL 1213/1211 Principles of Biology II/Lab	4
CHEM 3003/3001 Organic Chemistry I/Lab	4	CHEM 3103/3101 Organic Chemistry II/Lab	4
HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National		CHEM 212/2011 Analytical Chemistry/Lab	3
SPCH 1113 Introduction to Public Speaking	3	ENGL 3003 Advanced Professional Writing	3
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 5		Spring - Semester 6	
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
**BIOL elective	4	BIOL 3023/3021 Microbiology/Lab	4
CHEM 3313/3311 Instrumentation I/Lab or CHEM 4313/4311 Instrumentation II/Lab	4	CHEM 3073/3071 Biochemistry I/Lab	4
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	SCI 3101 Pre Health Colloquium	1
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>13</b>
Fall - Semester 7		Spring - Semester 8	
**BIOL elective (Jr/Sr)	4	**CHEM elective	3
CHEM 4073 Biochemistry II	3	Science & Engineering elective	3
CHEM 4403 Physical Chemistry: Thermodynamics	3	**BIOL elective	4
CHEM 4051 Senior Seminar - Chemistry	1	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
**CHEM elective (Jr/Sr)	4		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>13</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*Pre-Professional Students such as Pre-Pharmacy and Pre-Medicine should consult with their advisor and review the admission requirements of their desired program.

### Chemistry Major - Entrepreneurship Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
CHEM 1501 Background & Strategies in CHEM	1	ENGL 1123 Composition II	3
ENGL 1113 Composition I	3	MATH 1525 Calculus I	5
MATH 1045 Pre-Calculus Mathematics	5	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	CHEM 1123/1121 University Chemistry II/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4		
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>18</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	CHEM 2012/2001 Analytical Chemistry/lab	3
CHEM 3003/3001 Organic Chemistry I/Lab	4	CHEM 3103/3101 Organic Chemistry II/Lab	4
BIOL 1203/1201 Principles of Biology I/Lab	4	MATH 1545 Calculus II	5
SPCH 1113 Introduction to Public Speaking	3	ENGL 3003 Advanced Professional Writing	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
MKTG 3033 Principles of Marketing	3	ECON 2103 Principles of Microeconomics	3
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
CHEM 3313/3311 Instrumentation I/lab or CHEM 4313/4311 Instrumentation II/Lab	4	CHEM 3233 Intermediate Inorganic Chemistry	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
		CHEM 3073 Biochemistry I	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 7		Spring - Semester 8	
CHEM 4403/4401 Physical Chemistry: Thermodynamics/Lab	4	CHEM 4413/4411 Physical Chemistry: Quantum & Kinetics/Lab	4
CHEM Elective	4	CHEM Elective	3
CHEM 4051 Senior Seminar - Chemistry	1	MGMT 4023 Entrepreneurship	3
ECON 2203 Principles of Macroeconomics	3	Science and Engineering Elective	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>13</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Chemistry Electives

CHEM 3071 Biochemistry I Lab	CHEM 4701-3 Undergraduate Research
CHEM 4073 Biochemistry II	CHEM 4791-3 Advanced Topics in Chemistry I
CHEM 4013 Advanced Organic Chemistry	CHEM 4891-3 Advanced Topics in Chemistry II
CHEM 4033 Advanced Inorganic Chemistry	CHEM 4991-3 Advanced Topics in Chemistry III
CHEM 4043/4041 Advanced Analytical Chemistry/Lab	

### Chemistry Major - Environmental Toxicology Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
CHEM 1501 Background & Strategies in CHEM	1	ENGL 1123 Composition II	3
ENGL 1113 Composition I	3	MATH 1525 Calculus I	5
MATH 1045 Pre-Calculus Mathematics	5	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	CHEM 3073 Biochemistry I	3
CHEM 3003/3001 Organic Chemistry I/Lab	4	CHEM 3243 Introduction to Toxicology	3
BIOL 1203/1201 Principles of Biology I/Lab	4	CHEM 3103/3101 Organic Chemistry II/Lab	4
SPCH 1113 Introduction to Public Speaking	3	BIOL 1213/1211 Principles of Biology II/Lab	4
		CHEM 2012/2001 Analytical Chemistry/Lab	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 5		Spring - Semester 6	
CHEM 3313/3311 Instrumentation I/Lab or CHEM 4313/4311 Instrumentation II/Lab	4	ENGL 3003 Advanced Professional Writing	3
BIOL 3703/3701 Vertebrate Physiology/Lab	4	CHEM 4053 Environmental Toxicology	3
CHEM 4073 Biochemistry II	3	CHEM 3233 Intermediate Inorganic Chemistry	3
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	MATH 3043 Introduction to Probability and Statistics	3
		PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 7		Spring - Semester 8	
CHEM 4403/4401 Physical Chemistry: Thermodynamics/Lab	4	CHEM 4183 Ecotoxicology	3
CHEM 3253 Analysis and Identification of Environmental Toxins	3	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3	Science and Engineering Elective	1
BIOL 4013/4011 Ecology/Lab	4	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
CHEM 4051 Senior Seminar - Chemistry	1	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>13</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

### Chemistry Major - Forensic Science Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
CHEM 1501 Background & Strategies in CHEM	1	ENGL 1123 Composition II	3
ENGL 1113 Composition I	3	MATH 1525 Calculus I	5
MATH 1045 Pre-Calculus Mathematics	5	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	CHEM 2173 Forensic Science	3
CHEM 3003/3001 Organic Chemistry I/Lab	4	CHEM 3103/3101 Organic Chemistry II/Lab	4
BIOL 1203/1201 Principles of Biology I/Lab	4	BIOL 1213/1211 Principles of Biology II/Lab	4
SPCH 1113 Introduction to Public Speaking	3	CHEM 2012/2001 Analytical Chemistry/Lab	3
CRJU 2003 Introduction to Criminal Justice	3		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 5		Spring - Semester 6	
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
CHEM 3313/3311 Instrumentation I/Lab or 4313/4311 Instrumentation II/Lab	4	CHEM 3073 Biochemistry I/Lab	4
CRJU 3183 Statistics (or equivalent)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	ENGL 3003 Advanced Professional Writing	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 7		Spring - Semester 8	
CHEM 4403/4401 Physical Chemistry: Thermodynamics/Lab or CHEM 4413/4411 Physical Chemistry: Quantum & Kinetics/Lab	4	CHEM 4173 Forensic Chemistry	3
CHEM 4073 Biochemistry II	3	BIOL 4503/4501 Molecular Biology/Lab	4
CRJU 3033 Criminal Investigation	3	CRJU 3023 Criminal Evidence & Procedures	3
BIOL 3033/3031 Genetics/Lab	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3
CHEM 4051 Senior Seminar - Chemistry	1	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

## Chemistry (BS)

### Plan II Professional Ten Semester Plan 3+2 Program

This degree program is intended for students who have been offered and have accepted admission to a professional program without finishing one of the other Chemistry BS options. It is recommended that students be placed on the Chemistry Pre-Health Biochemistry option first and then transferred to this degree program once they are offered and have accepted admission to a professional program.

#### Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
CHEM 1501 Background & Strategies in CHEM	1	ENGL 1123 Composition II	3
ENGL 1113 Composition I	3	MATH 1525 Calculus I	5
MATH 1045 Pre-Calculus Mathematics	5	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	CHEM 1123/1121 University Chemistry II/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4		
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>18</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3
BIOL 1203/1201 Principles of Biology I/Lab	4	BIOL 1213/1211 Principles of Biology II/Lab	4
CHEM 3003/3001 Organic Chemistry I/Lab	4	CHEM 3103/3101 Organic Chemistry II/Lab	4
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
		CHEM 2012/2001 Analytical Chemistry	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 5		Spring - Semester 6	
CHEM 3313/3311 Instrumentation I/Lab or CHEM 4313/4311 Instrumentation II/Lab	4	Upper level chemistry electives	4
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
Upper level biology elective (with lab)	4	BIOL 3023/3021 Microbiology/Lab	4
<b>Total Semester Hours</b>	<b>12</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours for major – 120 hours plus 7, 8, 9, and 10: Clinical/Professional Program – 32 hours (minimum of four (4) semesters)

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Taking both MATH 1023 College Algebra and MATH 1033 Plane Trigonometry is equivalent to MATH 1045 Pre-Calculus Mathematics.

#Scholarship requirements may require the student to enroll in a minimum number of hours each semester.

### Major in Chemistry (BS) – Medical Laboratory Science Option

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
CHEM 1501 Background & Strategies in CHEM	1	ENGL 1123 Composition II	3
ENGL 1113 Composition I	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
MATH 1023 College Algebra	3	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	CHEM 1123/1121 University Chemistry II/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4		
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>13</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3
BIOL 1203/1201 Principles of Biology I/Lab	4	BIOL 1213/1211 Principles of Biology II/Lab	4
CHEM 3003/3001 Organic Chemistry I/Lab	4	CHEM 3103/3101 Organic Chemistry II/Lab or CHEM 3073/3071 Biochemistry I/Lab	4
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	Statistics or higher level Mathematics	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 5		Spring - Semester 6	
BIOL 2063/2061 Anatomy & Physiology I/Lab	4	BIOL 3023/3021 Microbiology/Lab	4
BIOL or CHEM Elective	4	BIOL or CHEM Elective	4
BIOL or CHEM Elective	4	BIOL or CHEM Elective	4
<b>Total Semester Hours</b>	<b>12</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

PLUS Clinical/Professional Program – 39 hrs (including satisfactory completion of minimum of 12 months clinical training and course work at a cooperative accredited Medical Technology program.

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

### Biology (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1023 College Algebra	3	MATH 1033 Plane Trigonometry	3
BIOL 1203/1201 Principles of Biology I/Lab	4	BIOL 1213/1211 Principles of Biology II	4
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 3		Spring - Semester 4	
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
BIOL 3033/3031 Genetics/Lab	4	BIOL 4503/4501 Molecular Biology/Lab or Options	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
CHEM 3003/3001 Organic Chemistry I/Lab	4		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>13</b>
Fall - Semester 5		Spring - Semester 6	
Free Elective	3	BIOL 3023/3021 Microbiology/Lab	4
BIOL 3383/3381 Herpetology, BIOL 3423 Mammalogy/Lab, BIOL 3523/3521 Ornithology/Lab, BIOL 3393/3391 Ichthyology/Lab, BIOL 3073/3071 Entomology/lab, or BIOL 3183/3181 Botany/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	UL Biology Electives	3
BIOL 4013/4011 Ecology/Lab	4	BIOL 3763 Evolutionary Biology	3
		Free Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 7		Spring - Semester 8	
BIOL 3073/3071 Vertebrate Physiology/Lab or option	4	UL Biology electives	3
UL Biology electives	6	Free Electives	6
Free Electives	1	BIOL 3043 Cell Biology	3
BIOL 4101 Biology Colloquium	1	UL Biology Electives	4
<b>Total Semester Hours</b>	<b>12</b>	<b>Total Semester Hours</b>	<b>16</b>

Total hours required for Major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.



### Biology – Pre-Health Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1023 College Algebra	3	MATH 1033 Plane Trigonometry	3
BIOL 1203/1201 Principles of Biology I/Lab	4	BIOL 1213/1211 Principles of Biology II/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
CHEM 3003/3001 Organic Chemistry I/Lab	4	CHEM 3103/3101 Organic Chemistry II/Lab	4
BIOL 3033/3031 Genetics/Lab	4	BIOL 4503/4501 Molecular Biology/Lab	4
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3	BIOL 3023/3021 Microbiology/Lab	4
BIOL 4013 Ecology/Lab	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
BIOL 3373/3371 Introduction to Neuroscience/Lab or BIOL 3703/3701 Vertebrate Physiology/Lab or BIOL 4033/4031 Developmental Biology/Lab or BIOL 4043/4041 Immunology/Lab or BIOL 4243 Viral Genetics or BIOL 4891 Independent Research	4	BIOL 3043 Cell Biology	3
BIOL 2063/2061 Anatomy & Physiology I/Lab or BIOL 3703/3701 Vertebrate Physiology/Lab	4	SCI 3101 Pre-Health Colloquium	1
		BIOL 2073/2071 Anatomy & Physiology II/Lab or Comparative Vertebrate Anatomy/Lab	4
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	BIOL 3763 Evolutionary Biology	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Free Electives	6
BIOL 3373/3371 Introduction to Neuroscience/Lab or BIOL 3703/3701 Vertebrate Physiology/Lab or BIOL 4033/4031 Developmental Biology/Lab or BIOL 4043/4041 Immunology/Lab or BIOL 4243 Viral Genetics or BIOL 4891 Independent Research	4	BIOL 4101 Biology Colloquium	1
Free Electives	6	CHEM 3073/3071 Biochemistry I/Lab	4
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>14</b>

Total hours required for Major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Some schools require six hours of mathematics while others may also require math through calculus. Check individual catalogues.

### Biology – Marine Biology Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1023 College Algebra	3	MATH 1033 Plane Trigonometry	3
BIOL 1203/1201 Principles of Biology I/Lab	4	BIOL 1213/1211 Principles of Biology II/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
BIOL 1051 Issues in Conservation Biology	1		
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 3		Spring - Semester 4	
BIOL 3183/3181 Botany/Lab	4	BIOL 3443 Global Environmental Change	3
BIOL 3033/3031 Genetics/Lab	4	BIOL 3763 Evolutionary Biology	3
MATH 3043 Introduction to Probability and Statistics I	3	MATH 1545 Calculus I	5
BIOL 3503 Marine Biology	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 5		Spring - Semester 6	
CHEM 3003/3001 Organic Chemistry I/Lab	4	BIOL 3023/3021 Microbiology/Lab	4
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2303/2301 University Physics II/Lab	4
BIOL 4013/4011 Ecology/Lab	4	BIOL 3843 Oceanography	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 7		Spring - Semester 8	
Free Elective	3	BIOL 4101 Biology Colloquium	1
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	Marine Science Electives	8
BIOL 3703/3701 Vertebrate Physiology/Lab	4	Free Elective	3
Marine Science Elective	4		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>15</b>

Total hours required for Major with Marine Biology Option – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

### Biology Science – Wildlife and Conservation Biology Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1023 College Algebra	3	MATH 1033 Plane Trigonometry	3
BIOL 1051 Issues in Conservation Biology	1	CHEM 1123/1121 University Chemistry II/Lab	4
BIOL 1203/1201 Principles of Biology I/Lab	4	BIOL 1213/1211 Principles of Biology II/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 3		Spring - Semester 4	
BIOL 3183/3181 Botany/Lab	4	World Literature I/II (ENGL 2213 or ENGL 2223)	3
BIOL 3033/3031 Genetics/Lab	4	Free Electives	4
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3	BIOL 3763 Evolutionary Biology	3
BIOL 4013/4011 Ecology/Lab	4	BIOL 3023/3021 Microbiology/Lab	4
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 5		Spring - Semester 6	
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	BIOL 3443 Global Environmental Change or BIOL 3553 Conservation Genetics	3
MATH 3043 Applied Probability and Statistics I or BIOL 3703/3701 Vertebrate Physiology	3-4	BIOL 3083/3081 Plant Physiology/Lab	4
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	BIOL 4063/4061 Wildlife Ecology and Management/Lab	4
CHEM 3003/3001 Organic Chemistry I/Lab	4	BIOL 3073/3071 Entomology or BIOL 3383/3381 Herpetology/Lab or BIOL 3393/3391 Ichthyology/Lab or BIOL 3423/3421 Mammalogy/Lab or BIOL 3523/3521 Ornithology/Lab	4
<b>Total Semester Hours</b>	<b>14- 15</b>		<b>15</b>
Fall - Semester 7		Spring - Semester 8	
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	BIOL 4101 Biology Colloquium	1
MATH 3043 Applied Probability and Statistics I or BIOL 3703/3701 Vertebrate Physiology	3-4	BIOL 3073/3071 Entomology or BIOL 3383/3381 Herpetology/Lab or BIOL 3393/3391 Ichthyology/Lab or BIOL 3423/3421 Mammalogy/Lab or BIOL 3523/3521 Ornithology/Lab	4
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	BIOL 3443 Global Environmental Change or BIOL 3553 Conservation Genetics	3
Free Electives	3	BIOL 3303/3301 Systematic Botany/Lab	4
BIOL 4663 Natural Resource Policy and Administration	3		
<b>Total Semester Hours</b>	<b>15- 16</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for Major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

### Biology (BS)

#### Plan II - Professional Ten Semester Plan 3+2 Program

Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1023 College Algebra	3	MATH 1033 Plane Trigonometry	3
BIOL 1203/1201 Principles of Biology I/Lab	4	BIOL 1213/1211 Principles of Biology II/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
GSTD 1002 Freshman Seminar	2	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003, or Foreign Language)	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 3		Spring - Semester 4	
BIOL 3033/3031 Genetics/Lab	4	World Literature I/II (ENGL 2213 or ENGL 2223)	3
SCI 3101 Pre-Health Colloquium	1	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
BIOL 2403 Medical Terminology	3	BIOL 3023/3021 Microbiology/Lab	4
CHEM 3003/3001 Organic Chemistry I/Lab	4	CHEM 3103/3101 Organic Chemistry II/Lab	4
MATH 1525 Calculus I	5		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 5		Spring - Semester 6	
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
BIOL 3703/3701 Vertebrate Physiology/Lab	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
CHEM 3073/3071 Biochemistry I/Lab	4	BIOL 3043 Cell Biology	3
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>13</b>

Total hours for major – 92 hours from SAU plus 30 hours from an approved professional program.

Students awarded this degree are not eligible to graduate with honors.

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

## Bachelor of Science in Public Health

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
GSTD 1002 Freshman Seminar	2	ENGL 1123 Composition II	3
ENGL 1113 Composition I	3	PH 2003 Foundations of Public Health	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	Free Elective	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
SPCH 1113 Introduction to Public Speaking	3	PSYC 2003 General Psychology	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	BIOL 2003 Nutrition & Diet	3
BIOL 2063/2061 Anatomy & Physiology I/Lab	4	BIOL 2073/2071 Anatomy & Physiology II/Lab	4
CHEM 1013/1011 College Chemistry I/Lab or CHEM 1023/1021 University Chemistry I/Lab	4	PSYC/SOC 3183 Statistics or MATH 3043 Applied Probability and Statistics I	3
PHIL 2403 Introduction to Philosophy & Ethics	3	BIOL 3613/3611 Microbiology for Nursing and Allied Health/Lab	4
HS 1403 Personal and Community Health or NURS 2003 Introduction to Professional Nursing	3		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 5		Spring - Semester 6	
BIOL 2403 Medical Terminology	3	PH 3053 The Business of Health Care	3
CSCI 1053 Computer Concepts for Allied Health	3	PH 3063 Social and Behavioral Health	3
Foreign Language	3	PH 3043 Research for Evidence-Based Practice	3
PH 3013 Issues and Trends in Healthcare	3	PSYC 3223 Developmental Psychology	3
BIOL 3903 Human Genetics	3	PH 4023 Health Care and Public Health Policy	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
Major Elective	3	PH 4003 Epidemiology	3
PH 3103 Biological Concepts for Public Health	3	PH 4983 Internship in Public Health	3
PH 4123 Program Planning & Evaluation for Public Health	3	Major Elective	3
SOC 3003 Cultural Diversity	3	PH 4033 Evaluation Methods in Public Health	3
Free Elective	3	Free Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>

Total hours required for major – 120 hours

\*\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

### Major electives

CRJU 3063 Substance Abuse	PSYC/SOC 4063 Social Psychology
HS 4023 Pharmacology in Sports	PSYC 4083 Adolescent Psychology
HS 4413 Health Education in the School	PSYC 4163 Child Psychopathology
PH 4791-3 Independent Study in Public Health	REC 3613 School and Community Recreation
PHIL 3003 Death, Dying and World Religion	REC 3623 Psychology of Sports
PSYC 3123 Child Psychology	REC 3663 Leisure and Aging
PSYC/SOC 4003 Domestic Violence	SOC 3033 Sociology of Marriage and Family
PSYC 4033 Abnormal Psychology	SOC 4073 Social Gerontology

## Engineering (BSEng)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1525 Calculus I	5	MATH 1545 Calculus II	5
PHYS 2203 2201 University Physics I/Lab	4	ENGR 2143 Statics	3
ENGR 1023 Introduction to Engineering	3	PHYS 2213/2211 University Physics II/Lab	4
GSTD 1002 Freshman Seminar	2	ENGR 1021 Introduction to Engineering Lab	1
		ENGR 2020 Engineering Exams	0
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
ENGR 1213 Engineering Graphics	3	CSCI 2103/2101 Computer Science I/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4	MATH 3033 Differential Equations	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3	ENGR 2163 Dynamics	3
MATH 2563 Calculus III	3	ENGR 2043 Properties of Materials	3
ENGR 2033 Electric Circuits I	3	CHEM 1123/1121 University Chemistry II/Lab	4
ENGR 2020 Engineering Exams	0	ENGR 2020 Engineering Exams	0
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 5		Spring - Semester 6	
ENGR 3143 Manufacturing Processes	3	*HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
ENGR 3003 Fluid Mechanics	3	ENGR 3163 Computer Aided Engineering Analysis	3
ENGR 3013 Thermodynamics	3	ENGR 3211 Thermal Fluid Science Lab	1
ENGR 3043 Mechanics of Materials	3	ENGR 3083 Numerical Methods in Engineering	3
ENGR 3101 Solid Mechanics Lab	1	ENGR 3023 Heat Transfer	3
ENGR 2020 Engineering Exams	0	ENGL 3023 Technical Writing	3
		ENGR 2020 Engineering Exams	0
<b>Total Semester Hours</b>	<b>13</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 7		Spring - Semester 8	
ENGR 4153 Heating, Ventilation, and Air Conditioning	3	ENGR 4701 Work Experience Learning (Internship)	1
ENGR 3073 Engineering Economics	3	ENGR 4123 Senior Design Project II	3
ENGR 4992 Mechanical Engineering Proficiency	2	UL Engineering or Physics Elective	2
ENGR 4033 Instrumentation and Control	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, HIST 1003, HIST 1013, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
ENGR 4013 Machine Design	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
ENGR 4023 Senior Design Project I	3		
ENGR 2020 Engineering Exams	0	ENGR 2020 Engineering Exams	0
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 124

\*Note: Must have three hours of US history/government.

### Engineering-Physics: Science Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1525 Calculus I	5	MATH 1545 Calculus II	5
ENGR 1023 Introduction to Engineering	3	PHYS 2213/2211 University Physics II/Lab	4
PHYS 2203/2201 University Physics I/Lab	4	ENGR 1021 Introduction to Engineering Lab	1
GSTD 1002 Freshman Seminar	2	ENGR 2143 Statics	3
		ENGR 2020 Engineering Exams	0
Total Semester Hours	17	Total Semester Hours	16
Fall - Semester 3		Spring - Semester 4	
MATH 2563 Calculus III	3	MATH 3033 Differential Equations	3
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
ENGR 2033 Electrical Circuits I	3	MATH 2753 Linear Algebra	3
PHYS 3053 Modern Physics	3	CSCI 2103/2101 Computer Science I/Lab	4
ENGR 1213 Engineering Graphics	3	PHYS 3033 Electromagnetism	3
ENGR 2020 Engineering Exams	0	ENGR 2020 Engineering Exams	0
Total Semester Hours	16	Total Semester Hours	17
Fall - Semester 5		Spring - Semester 6	
ENGR 3003 Fluid Mechanics	3	ENGR 3023 Heat Transfer	3
CSCI 2113/2111 Computer Science II/Lab	4	ENGR 3073 Engineering Economics	3
ENGR 3013 Thermodynamics	3	ENGR 3211 Thermal Fluid Science Lab	1
PHYS 3113 Advanced Physics Laboratory	3	PHYS 4013 Optics	3
ENGR 3101 Solid Mechanics Lab	1	ENGR 3163 Computer Aided Engineering Analysis	3
ENGR 2020 Engineering Exams	0	ENGR 2020 Engineering Exams	0
Total Semester Hours	14	Total Semester Hours	13
Fall - Semester 7		Spring - Semester 8	
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, HIST 1003, HIST 1013, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
*HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	PHYS 4053 Quantum Mechanics	3
PHYS 4043 Analytical Mechanics	3	UL electives (ENGR, MATH, PHYS recommended)	6
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	ENGR 2020 Engineering Exams	0
UL elective (ENGR, MATH, PHYS recommended)	3		
ENGR 2020 Engineering Exams	0		
Total Semester Hours	15	Total Semester Hours	12

Total hours required for major – 120

\*Note: Must have three hours of US history/government.

### Engineering Physics – Engineering Technology Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
PHYS 2203/2201 University Physics I/Lab or PHYS 2003/2001 College Physics I/Lab	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003, or Foreign Language)	3
ENGR 1023 Introduction to Engineering	3	*HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
MATH 2124 Applied Calculus	4	PHYS 2203/2201 University Physics I/Lab or PHY 2103/2101 College Physics II/Lab	4
		ENGR 1021 Introduction to Engineering Lab	1
GSTD 1002 Freshman Seminar	2	WELD 1003 Welding Skills Development	3
<b>Total Semester Hours</b>		<b>Total Semester Hours</b>	
	<b>16</b>		<b>17</b>
Fall - Semester 3		Spring - Semester 4	
CHEM 1013/1011 College Chemistry I/Lab or CHEM 1023/1021 University Chemistry I/Lab	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
ENGR 1213 Engineering Graphics	3	ITEC 2032 Industrial Safety	2
EETEC 2003 Applied Statics	3	EETEC 2033 Solid Modeling and Design	3
AGED 2021/2022 Agricultural Metals/Lab	3	EETEC 2023 Programmable Logic Controller or ENGR 3103 Digital Electronics	3
ENGR 2033 Electric Circuits I	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, HIST 1003, HIST 1013, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
<b>Total Semester Hours</b>		<b>Total Semester Hours</b>	
	<b>16</b>		<b>14</b>
Fall - Semester 5		Spring - Semester 6	
ITEC 3503 Computational Methods	3	ITEC 3073 Economic Analysis for Technology	3
ITEC 3803 Industrial Materials	3	ENGR 3143 Manufacturing Processes	3
EETEC 3033 Strength of Materials	3	EETEC 3002 Applied Mechanics Lab	2
EETEC 3003 Applied Fluid Mechanics	3	EETEC 3013 Applied Thermal Science	3
MATH 3043 Applied Probability and Statistics I	3	ENGR 3163 Computer Aided Engineering Analysis	3
		EETEC 3012 Applied Thermal Science Lab	2
<b>Total Semester Hours</b>		<b>Total Semester Hours</b>	
	<b>15</b>		<b>16</b>
Fall - Semester 7		Spring - Semester 8	
UL Engineering/Technology electives	6	UL Engineering/Technology electives	8
EETEC 4013 Senior Design For Technology	3	ENGL 3023 Technical Writing	3
ITEC 4123 Computer Aided Manufacturing	3	EETEC 4003 Heating Ventilation & Air Conditioning	3
<b>Total Semester Hours</b>		<b>Total Semester Hours</b>	
	<b>12</b>		<b>14</b>

Total hours required for major – 120

\*Note: Must have three hours of US history/government.



### Engineering Physics - Industrial Technology Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall – Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1023 College Algebra	3	MATH 1033 Plane Trigonometry	3
Physical Science Choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 1133/1131, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, HIST 1003, HIST 1013, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
ITEC 2023 Introduction to Industrial Technology	3	***Basic Course Elective	3
GSTD 1002 Freshman Seminar	2	***Basic Course Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
***Basic Course Elective	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3	*HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
***Basic Course Elective	4	***Basic Course Elective	3
***Basic Course Elective	3	***Basic Course Elective	3
ITEC 2032 Industrial Safety	2	***Basic Course Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
ITEC 3003 Quality Control	3	**ITEC 3503 Computational Methods	3
MATH 2124 Applied Calculus	4	ITEC 3263 Operations Management I	3
***Basic Course Elective	3	MATH 3043 Applied Probability and Statistics I	3
***Basic Course Elective	3	Work Experience or UL Technical Elective	3
***Basic Course Elective	3	***Basic Course Elective	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
ITEC 3043 Work Analysis: The Study of Motion, Time and Ergonomics	3	ITEC 3012 Maintenance	2
ITEC 3023 Production and Inventory Control	3	ITEC 3073 Economic Analysis for Technology	3
ITEC 3803 Industrial Materials	3	ITEC 3363 Operations Management II	3
Work Experience or UL Technical Elective	3	ITEC 4053 Lean Manufacturing	3
ITEC 4043 Advanced Manufacturing Systems	3	Work Experience or UL Technical Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>14</b>

Total hours required for Major – 120

\*Note: Must have three hours of US history/government.

\*\* Prerequisite for ITEC 3503 may be substituted with the consent of the instructor.

\*\*\*Basic Course Electives: Accounting, Agricultural Economics, Animal Science, Biology, Chemistry, Information Systems, Computer Science, Economics, Engineering, Entomology, Finance, Forestry, General Business, Geology, Industrial Technology, Mathematics, Management, Marketing, Physics, Speech, Spanish, French, Russian.

### Engineering Physics - Chemical Engineering Option (BS)

Suggested Plan of Study

2020-2021 Catalog

<b>Fall - Semester 1</b>		<b>Spring - Semester 2</b>	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1525 Calculus I	5	MATH 1545 Calculus II	5
ENGR 1023/1021 Introduction to Engineering/Lab	4	ENGR 1213 Engineering Graphics	3
PHYS 2203/2201 University Physics I/Lab	4	PHYS 2213/2211 University Physics II/Lab	4
GSTD 1002 Freshman Seminar	2	ENGR 2020 Engineering Exams	0
<b>Total Semester Hours</b>	<b>18</b>	<b>Total Semester Hours</b>	<b>15</b>
<b>Fall - Semester 3</b>		<b>Spring - Semester 4</b>	
CHEM 1023/1021 University Chemistry I/Lab	4	CSCI 2103 Computer Science I/Lab	4
ENGR 2143 Statics	3	CHEM 1123/1121 University Chemistry II/Lab	4
MATH 2563 Calculus III	3	ENGR 2043 Properties of Materials	3
*HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	ENGR 2053 Chemical Engineering Fundamentals	3
ENGR 2020 Engineering Exams	0	MATH 3033 Differential Equations	3
		ENGR 2020 Engineering Exams	0
<b>Total Semester Hours</b>	<b>13</b>	<b>Total Semester Hours</b>	<b>17</b>
<b>Fall - Semester 5</b>		<b>Spring - Semester 6</b>	
CHEM 3003/3001 Organic Chemistry I/Lab	4	ENGL 3023 Advanced Professional Writing	3
ENGR 3013 Thermodynamics	3	ENGR 3023 Heat Transfer	3
ENGR 3003 Fluid Mechanics	3	ENGR 3073 Engineering Economics	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, HIST 1003, HIST 1013, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	ENGR 3083 Numerical Methods in Engineering	3
ENGR 2020 Engineering Exams	0	ENGR 3111 Thermal Fluid Science Lab	1
		ENGR 3213 Thermodynamics II	3
		ENGR 2020 Engineering Exams	0
<b>Total Semester Hours</b>	<b>13</b>	<b>Total Semester Hours</b>	<b>16</b>
<b>Fall - Semester 7</b>		<b>Spring - Semester 8</b>	
ENGR 4023 Senior Design Project I	3	UL physics or engineering electives (ENGR 4123 Senior Design Project II recommended)	4
ENGR 3063 Mass Transfer	3	ENGR 4173 Chemical Engineering Processes	3
ENGR 3352 Chemical Engineering Lab	2	ENGR 4701 Work Experience Learning I	1
ENGR 4033 Instrumentation and Control Systems	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
ENGR 4043 Chemical Engineering Reactor Design	3	ENGR 2020 Engineering Exams	0
ENGR 2020 Engineering Exams	0	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>14</b>

Total hours required for major – 120

\*Note: Must have three hours of US history/government.

### Engineering Physics - Mechanical Engineering Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1525 Calculus I	5	MATH 1545 Calculus II	5
ENGR 1023 Introduction to Engineering	3	ENGR 2143 Statics	3
PHYS 2203/2201 University Physics I/Lab	4	PHYS 2213/2211 University Physics II/Lab	4
GSTD 1002 Freshman Seminar	2	ENGR 2020 Engineering Exams	0
ENGR 2020 Engineering Exams	0		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
MATH 2563 Calculus III	3	CSCI 2103/2101 Computer Science I/Lab	4
ENGR 1021 Introduction to Engineering Lab	1	CHEM 1123/1121 University Chemistry II/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4	ENGR 2043 Properties of Materials	3
ENGR 1213 Engineering Graphics	3	ENGR 2163 Dynamics	3
ENGR 2033 Electrical Circuits I	3	MATH 3033 Differential Equations	3
ENGR 2020 Engineering Exams	0	ENGR 2020 Engineering Exams	0
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 5		Spring - Semester 6	
* HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	ENGR 3163 Computer Aided Engineering Analysis	3
ENGR 3013 Thermodynamics	3	ENGR 3023 Heat Transfer	3
ENGR 3033 Fluid Mechanics	3	ENGR 3111 Thermal Fluid Science Lab	1
ENGR 3101 Solid Mechanics Lab	1	ENGR 3083 Numerical Methods in Engineering	3
ENGR 3043 Mechanics of Materials	3	ENGR 3143 Manufacturing Processes	3
ENGR 2020 Engineering Exams	0	ENGR 2020 Engineering Exams	0
<b>Total Semester Hours</b>	<b>13</b>	<b>Total Semester Hours</b>	<b>13</b>
Fall - Semester 7		Spring - Semester 8	
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, HIST 1003, HIST 1013, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3
ENGR 4153 Heating, Ventilation, and Air Conditioning	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
ENGR 4013 Machine Design	3	UL Engineering or Physics Electives	7
ENGR 3073 Engineering Economics	3	UL physics or engineering electives (ENGR 4123 Senior Design Project II recommended)	3
ENGR 4023 Senior Design Project I	3	ENGR 2020 Engineering Exams	0
ENGR 2020 Engineering Exams	0		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>

Total hours required for major – 120

\*Note: Must have three hours of US history/government.

## Mathematics (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
MATH 1525 Calculus I	5	MATH 1545 Calculus II	5
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003, or Foreign Language)	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Elective	3
CHEM 1013/1011 College Chemistry I/Lab or CHEM 1023/1021 University Chemistry I/Lab or PHYS 2203/2201 University Physics I/Lab	4	CHEM 1113/1111 College Chemistry II/Lab or CHEM 1123/1121 University Chemistry II/Lab or PHYS 2213/2211 University Physics II/Lab	4
CSCI 2103 Computer Science I	3	CSCI 2113 Computer Science II or Foreign Language**	3
MATH 2753 Linear Algebra	3	MATH 2563 Calculus III	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 5		Spring - Semester 6	
MATH 3063 Abstract Algebra	3	MATH 3033 Differential Equations	3
UL MATH Elective	3	UL Math Elective	3
Minor Requirement or Elective	6	UL Minor Requirement or Elective	6
Elective	3	Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
MATH 3083 Principles of Analysis	3	UL MATH Elective	3
UL MATH Elective	3	UL Minor Requirement or Elective	3
UL Minor Requirement or Elective	6	UL Elective	4
Elective	3	Elective	2
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

MATH Electives

MATH 4003 College Geometry	MATH 4073 Introduction to Probability and Statistics
MATH 4023 Point-Set Topology	MATH 4123 History of Mathematics
MATH 4033 Introduction to Complex Variables	MATH 4613 Special Topics
MATH 4043 Numerical Analysis	

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*If student chooses foreign language in semester four (4), the student will need to take an additional foreign language for a total of six (6) hours.

**Mathematics**  
**With Minor in Education - Optional Teaching Certification (BS)**

Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
MATH 1525 Calculus I	5	MATH 1545 Calculus II	5
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003, or Foreign Language)	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	EDUC 3013 Educational Psychology	3
EDUC 2003/2000 Introduction to Education /Lab	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	PHYS 2013/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
CSCI 2103 Computer Science I	3	CSCI 2113 Computer Science II	3
MATH 2753 Linear Algebra	3	MATH 2033 Discrete Mathematics	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 5		Spring - Semester 6	
Admission to Teacher Education required for courses in semester 5		MATH 3063 Abstract Algebra	3
MATH 4123 History of Mathematics	3	MATH 4053 Higher Order Thinking in Mathematics	3
EDUC 4273 Classroom and Group Management	3	UL MATH Elective	3
S ED 3113 M/M Secondary Math/Science	3	SPED 4073 Survey of Exceptional Individuals	3
S ED 4023 Supervised Field Experience Level II	3	Elective	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
MATH 4003 College Geometry	3	EDUC 4003 Student Teaching Seminar	3
MATH 4073 Introduction to Probability and Statistics	3	S ED 4006 Student Teaching in the Secondary School I	6
EDUC 4043 Assessment, Evaluation and Measurement	3	S ED 4103 Student Teaching in the Secondary School II	3
UL MATH Elective	3		
Elective	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Math Electives

MATH 3033 Differential Equations	MATH 4033 Complex Variables
MATH 3083 Principles of Analysis	MATH 4043 Numerical Analysis
MATH 4023 Point-Set Topology	MATH 4613 Special Topics

### Computer Science (BS)

Suggested Plan of Study		2020-2021 Catalog	
Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
****MATH 1525 Calculus I or MATH 2124 Applied Calculus	4	MATH 2033 Discrete Mathematics	3
***CSCI 2103/2101 Computer Science I/Lab	4	CSCI 2113/2111 Computer Science II/Lab	4
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003, or Foreign Language)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshman Seminar	2	MATH 2753 Linear Algebra	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall – Semester 3		Spring – Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
MATH 3043 Applied Probability and Statistics I or MATH 4073 Introduction to Probability & Statistics	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics II/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
CSCI 3203 Assembler and Machine Organization	3	MATH 1545 Calculus II, MATH 3143 Applied Probability and Statistics II, or MATH 4233 Data Science	3
CSCI 3103 Data Structures and Algorithms	3	CSCI 3703 Computer Architecture	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall – Semester 5		Spring – Semester 6	
CSCI 3063 High Level Language	3	CSCI 3143 Network Security	3
CSCI 3213 Computer Networking	3	CSCI 4203 Data Modeling and Application	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	CSCI 4133 Operating Systems	3
UL CSCI/MATH Elective	3	UL CSCI/MATH Elective	3
Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4	UL CSCI/MATH Elective	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall – Semester 7		Spring – Semester 8	
CSCI 4143 Programming Languages and Compilers	3	CSCI 3233 Theory of Computation	3
ENGL 3023 Technical Writing	3	CSCI 4153 Software Engineering	3
CSCI 3901 Special Topics in Computer Science or MGMT 4301 Special Topics in Management	1	CSCI 4923 Senior Project	3
UL CSCI/MATH Elective	3	UL CSCI/MATH Elective	3
UL CSCI/MATH Elective	3		
<b>Total Semester Hours</b>	<b>13</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\* Student can complete a math minor by selecting one of the following courses: MATH 3033, 3063, 3083, 4003, 4033, 4093, or 4613.

\*\*\*CSCI 1102/1101 is a prerequisite for CSCI 2103 depending on computer experience.

\*\*\*\* Pre-requisite work may be required based on math placement policies.

### Computer Science (BS): Computer Gaming and Animation Design Option

Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1525 Calculus I or MATH 2124 Applied Calculus	4	CSCI 2133 Game Development	3
*CSCI 2103/2101 Computer Science I/Lab	4	MATH 2033 Discrete Mathematics	3
GSTD 1002 Freshman Seminar	2	CSCI 2113/2111 Computer Science II/Lab	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	ART 1103 Introduction to Game Development	3
Total Semester Hours	16	Total Semester Hours	16
Fall - Semester 3		Spring - Semester 4	
CSCI 3103 Data Structures and Algorithms	3	CSCI 3703 Computer Architecture	3
CSCI 3203 Assembler and Machine Organization	3	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
ART 1043 2D Design, ART 2183 Game Design Management, or ART 2193 Introduction to 3D Modeling Tools	3	MATH 1545 Calculus II, MATH 3143 Applied Probability and Statistics II, or MATH 4233 Data Science	3
MATH 3043 Applied Probability and Statistics I or MATH 4073 Introduction to Probability & Statistics	3	Fine Arts/Humanities (ENGL 2213, ENGL 2223, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3
Total Semester Hours	16	Total Semester Hours	17
Fall - Semester 5		Spring - Semester 6	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	CSCI 3043 Game Studio Workshop	3
CSCI 3053 Fundamentals of Game Programming I	3	CSCI 3073 Fundamentals of Game Programming II	3
CSCI 3213 Computer Networking	3	CSCI 4133 Operating Systems	3
MATH 2753 Linear Algebra	3	ENGL 3023 Technical Writing	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	CSCI 4203 Data Modeling and Application	3
Total Semester Hours	15	Total Semester Hours	15
Fall - Semester 7		Spring - Semester 8	
CSCI 3913 Virtual Reality Workshop	3	CSCI 3233 Theory of Computation	3
CSCI 3153 Mobile Application Development	3	CSCI 3403 Artificial Intelligence	3
CSCI 3901 Special Topics in Computer Science or MGMT 4301 Special Topics in Management	1	CSCI 4153 Software Engineering	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	CSCI 4923 Senior Project	3
CSCI 4163 Computer Graphics	3		
CSCI 4143 Programming Languages and Compilers	3		
Total Semester Hours	16	Total Semester Hours	12

Total hours required for major - 123

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S History I, U.S. History II or American Government: National.

\*CSCI 1102/1101 is a prerequisite for CSCI 2103 depending on computer experience.

### Computer Science (BS): Cyber Security and Privacy Option

Suggested Plan of Study 2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1525 Calculus I or MATH 2124 Applied Calculus	4	MATH 2033 Discrete Mathematics	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003, or Foreign Language)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
**CSCI 2103/2101 Computer Science I/Lab	4	CSCI 2113/2111 Computer Science II/Lab	4
GSTD 1002 Freshman Seminar	2	MATH 2753 Linear Algebra	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1103/1101	4
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
MATH 3043 Applied Probability and Statistics I or MATH 4073 Introduction to Probability & Statistics	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
CSCI 3203 Assembler and Machine Organization	3	MATH 1545 Calculus II, MATH 3143 Applied Probability and Statistics II, or MATH 4233 Data Science	3
CSCI 3103 Data Structures and Algorithms	3	CSCI 3703 Computer Architecture	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 5		Spring - Semester 6	
CSCI 3063 High Level Language	3	CSCI 3143 Network Security	3
CSCI 3213 Computer Networking	3	CSCI 4203 Data Modeling and Application	3
CSCI 4213 Privacy Engineering	3	UL CSCI/MATH Elective	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	CSCI 4333 Cyber Defense	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	CSCI 4133 Operating Systems	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
CSCI 4143 Programming Languages & Compilers	3	CSCI 3233 Theory of Computation	3
ENGL 3023 Technical Writing	3	CSCI 4153 Software Engineering	3
CSCI 4223 Cyber Forensics	3	CSCI 4293 Senior Project	3
CSCI 3901 Special Topics in Computer Science or MGMT 4301 Special Topics in Management	1	UL CSCI/MATH Elective	3
UL CSCI/MATH Elective	3		
<b>Total Semester Hours</b>	<b>13</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\*CSCI 1102/1101 is a prerequisite for CSCI 2103 depending on computer experience.



### Bachelor of Science in Nursing (BSN)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 1		Spring - Semester 2	
GSTD 1002 Freshman Seminar	2	ENGL 1123 Composition II	3
ENGL 1113 Composition I	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Mathematics (MATH 1023, MATH 1045 or MATH 1525)	3	PSYC 2003 General Psychology	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	Unrestricted Elective	1
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3	MATH 1001 Math/Allied Health	1
		BIOL 2003 Nutrition & Diet	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>14</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	NURS 2003 Introduction to Professional Nursing	3
CHEM 1013/1011 College Chemistry I/Lab or CHEM 1023/1021 University Chemistry I/Lab	4	BIOL 2073/2071 Anatomy & Physiology II/Lab	4
BIOL 2063/2061 Anatomy & Physiology I/Lab	4	SOC 3183 Statistics or MATH 3043 Applied Probability and Statistics I	3
PHIL 2403 Introduction to Philosophy & Ethics	3	BIOL 3613/3601 Microbiology for Nursing and Allied Health/Lab	4
		PSYC 3223 Developmental Psychology	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 5		Spring - Semester 6	
NURS 3093 Techniques of Health Assessment	3	NURS 3403 Nursing Research for Evidence Based Practice	3
NURS 3101 Introduction to Pharmacology	1	NURS 3412 Pharmacology II	2
NURS 3206 Nursing Care I – Foundations	6	NURS 3083 Foundations of Mental Health Nursing	3
NURS 3103 Gerontological Nursing	3	NURS 3307 Nursing Care II – Acute Care	7
NURS 3303 Pathophysiology for Nurses	3		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
NURS 4092 Contemporary Issues and Ethics in Nursing	2	NURS 4205 Leadership & Management in Nursing Practice	5
NURS 4214 Nursing Care III: Pediatrics	4	NURS 4307 Nursing Care IV – Complex Care	7
NURS 4224 Nursing Care III: Community Health	4	NURS 4123 Synthesis of Nursing Concepts	3
NURS 4234 Nursing Care III: Maternal Newborn	4		
NURS 4121 Pharmacology III	1		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>

Total hours required for major – 120 hours

\*\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

## Bachelor of Science - Nursing (RN to BSN)

Suggested Plan of Study

2020-2021 Catalog

Fall - Semester 3		Spring - Semester 4	
NURS 3001 Orientation for On-line RN – BSN Completion Program	1	NURS 3053 The Business of Health Care	3
NURS 3003 Health Assessment	3	NURS 4015 Leadership and Management	5
NURS 3013 Issues and Trends in Nursing	3	NURS 3043 Research for Evidence-Based Practice	3
NURS 3035 Community Health Nursing	5	NURS 3502 Informatics in Nursing	2
NURS 3313 Health Alterations	3	UL Elective	1
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>14</b>

Total hours required for major – 120

Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

**Associate degree must include (or equivalent):**

**General Education** - 27 hours (Science courses are included in the major.) PHIL 2403 Introduction to Philosophy and Ethics and PSYC 2003 General Psychology are required.

**Biological Science** - 12 hours

BIOL	2063/2061	Anatomy & Physiology I/Lab
BIOL	2073/2071	Anatomy & Physiology II/Lab
BIOL	3023/3021	Microbiology/Lab
<b>or</b>		
BIOL	3613/3611	Microbiology for Nursing and Allied Health/Lab

**Physical Science** - 4 hours

CHEM	1013/1011	College Chemistry I/Lab
CHEM	1023/1021	University Chemistry I/Lab

**Computer Science** - 3 hours

CSCI	1053	Computer Concepts and Applications for Allied Health
<b>or</b>		
CSCI	1102/1101	Introduction to Computing/Lab

**Other Requirements** - 9 hours

SPCH	1113	Introduction to Public Speaking
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Select 3 hours from the following:

SOC	3183	Statistics
MATH	3043	Applied Probability and Statistics I

Select 3 hours from the following:

SOC	3033	Sociology of Marriage and Family
SOC	3013	Social Problems
SOC	4073	Social Gerontology

**Nursing Curriculum** – 36 hours

36 hours from approved associate nursing degree

Student may need additional upper-level hours to complete the required 40 junior/senior hours.

## Course Descriptions

### Accounting (ACCT)

**ACCT 2003. Principles of Accounting I.** Introduction to the field of accounting, focusing on the fundamentals of financial accounting, creating financial statements and analyzing the financial position of publicly traded corporations using spreadsheets. (ACTS-ACCT 2003) Fall, spring, summer.

**ACCT 2103. Principles of Accounting II.** Prerequisite: ACCT 2003. Introduction to managerial accounting, including cost accounting, financial analysis for decision-making, and managerial reporting. (ACTS-ACCT 2103) Fall, spring, summer.

**ACCT 2113. Survey of Accounting.** Students will be introduced to principles of financial and managerial accounting, with emphasis on decision making. Ethical issues are also considered. As needed.

**ACCT 3003. Intermediate Accounting I.** Prerequisites: ACCT 2003 and ACCT 2103. Generally accepted accounting principles underlying the preparation of balance sheet, income statement, and retained earnings statement using spreadsheets. Problems and theory related to accounting for assets. Fall.

**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.

**ACCT 3023. Individual Income Tax.** Prerequisite: FIN 2003. Students will study federal income tax laws with an emphasis on the determination of federal income tax liability and tax planning for individuals. Students will be introduced to basic tax research techniques and reporting methods, and will gain experience in the ethical and accurate preparation of federal income tax returns using tax software programs. Spring.

**ACCT 3063. Accounting Information Systems.** Prerequisites: ACCT 2103 and IS 3053. Study of theories and procedures of designing and implementing accounting information systems with emphasis on transaction cycles, internal controls, and the role of accounting data with an organization. The course provides hands-on experience with current accounting information system software. Same as IS 3063. Spring.

**ACCT 3101 VITA Experience.** Provides volunteer experience preparing tax returns for low and moderate income residents through both classroom training and hands-on experience. Spring.

**ACCT 3103. Intermediate Accounting II.** Prerequisite: ACCT 3003. Problems and theory related to accounting for liabilities and equity, investments, revenue recognition, earnings per share, and cash flow statement. Spring.

**ACCT 3133. Fraud Examination and Prevention.** Prerequisites: Junior standing for accounting and criminal justice majors. The course provides an introduction to the principles and ethics of fraud examination and prevention, including the fraud classification system, the nature of fraud, and understanding how to prevent and detect fraud in business entities. Same as CRJU 3133. Summer.

**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. Fall, spring.

**ACCT 4003. Auditing.** Prerequisites: ACCT 3103 and ACCT 3063. 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.

**ACCT 4033. Oil and Gas Accounting.** Prerequisites: ACCT 3003. An overview of the oil and gas industry and specialized financial accounting procedures associated with the industry, emphasis on accounting for exploration, development, production, depletion and amortization, joint operations, asset impairment and retirement obligation, includes reserve accounting/disclosure related to the above topics. Fall.

**ACCT 4043. Advanced Financial Accounting I.** Prerequisite: ACCT 3103. Problems and theory related to advanced topics in financial accounting including pensions, leases, deferred income taxes, and financial statement analysis. Fall.

**ACCT 4053. Advanced Financial Accounting II.** Prerequisite: ACCT 3103. Theory and practice of accounting for business combinations, consolidated financial statements, partnerships, estates and trusts, corporate liquidations, segment reporting, and international operations. Spring.

**ACCT 4063. Governmental and Nonprofit Accounting.** Prerequisite: ACCT 2103. Generally accepted accounting principles for governmental and not-for-profit organizations, with emphasis on fund accounting and the preparation and analysis of financial reports using spreadsheets. Spring.

**ACCT 4123. Advanced Taxation.** Prerequisite: ACCT 3023. 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. An introduction into state sales, use, and income tax laws. Fall.

**ACCT 4163. CPA Review.** Prerequisite: permission of the instructor. Analysis and study of problems covered on the Certified Public Accountant examination related to financial accounting and reporting. As needed.

**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. As needed.

#### **Agricultural Economics (AGEC)**

**AGEC 2073. Principles of Agricultural Economics.** Microeconomic principles with emphasis on agricultural production and pricing. Analysis of resource allocation under comparative economic systems. Lecture three hours. Spring.

**AGEC 2103. Agribusiness Financial Statements and Planning.** Prerequisite: ACCT 2003 or ACCT 2113. Compiling and analyzing accounting information specific to agricultural operations, based on the current guidelines from the Farm Financial Standard Council. The course addresses issues and situations unique to the agricultural industry and offers relevant examples applied to those agricultural operations. Spring.

**AGEC 3003. Marketing of Agricultural Products.** Prerequisite: AGECE 2073. A study of the marketing channels, movements of products from producers to consumers. Lecture three hours. Fall.

**AGEC 3033. Agricultural Futures and Options.** Prerequisite: AGEC 2073. Introduction to futures markets and agricultural commodity futures trading. Lecture three hours. Spring, alternate years.

**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. Fall.

**AGEC 3063. Agricultural Data Management and Analysis.** Prerequisites: AGEC 2073 and GBUS 2013. Provides a solid foundation on data management and statistical procedures. The main goal is to equip students with sound analytical skills that will make them more competitive on the job market and/or for graduate studies. This course will be taught within the DCOVA (Define, Collect, Organize, Visualize, and Analyze) framework. Agribusiness and other agricultural data will be used to make data-driven decisions to make better business, management, and operations decisions in agriculture. Lecture three hours. Spring.

**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 management. Same as FIN 3073. Lecture three hours. Fall.

**AGEC 3083. Agribusiness Entrepreneurship.** Prerequisites: AGEC 2073 and AGEC 2103. This course equips students with the applied entrepreneurship skills needed to identify and create an opportunity in agribusiness. Emphasis is placed on how to conceive new business ideas, how to evaluate the ideas, and how to turn the ideas into new ventures. Lecture three hours. Spring.

**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. Fall.

**AGEC 4023. Agribusiness Management.** Prerequisites: AGEC 2073 and ACCT 2003. This class provides students with broad and necessary agribusiness management skills with emphasis on the latest thinking on strategic planning and management. Topics are built around the four functions of management including planning, organizing, controlling, and directing. Lecture three hours. Spring.

**AGEC 4033. Real Estate Appraisal.** An investigation of the principles and techniques of real estate appraisal for residential, commercial, and industrial properties. Lecture three hours. Spring.

**AGEC 4043. Agricultural Finance.** Introduction to concepts and methods in agricultural finance. Spring.

**AGEC 4053. Agricultural Policies and Problems.** Prerequisites: ECON 2203, AGEC 2073, or ECON 2103, and senior standing. Study of current economic problems facing the agricultural producer and agri-businessman. Lecture three hours. Fall.

**AGEC 4063. Risk Management in Agriculture.** Introduction to the concepts of risk, risk analysis, risk management, and their application to the field of agriculture. Lecture three hours. Spring.

**AGEC 4501-4503. Special Problems in Agricultural Business.** Prerequisite: Permission of instructor. A variable-hour course individually designed for students who wish to conduct research in a specific area of agricultural business. One to three hours credit with a maximum of three credit hours toward a degree. AGEC 4501 is repeatable for credit. Fall, spring, summer.

**Agricultural Education (AGED)**

**AGED 2000. Agricultural Education Field Experience, Level I Lab.** Corequisite: AGED 2003. A supervised observational field experience which includes at least 10 visits to agricultural education programs in public schools. Candidates are scheduled to observe in at least three different school-based agricultural education (SBAE) programs throughout the course of the semester. This course is hybrid in nature and requires a hard copy journal. The observation journal entries will focus on the Conceptual Framework competencies. The journal entries are a significant part of the student's grade for AGED 2003. Candidates are required to provide proof of Praxis CORE test registration or completed Praxis CORE scores as a requirement for this course. A passing grade is required of the student in this course for admission to the Educator Preparation Provider program. Spring.

**AGED 2001. Agricultural Power: Electricity and Small Engines.** This course develops knowledge and skills in the areas of electricity as applied to agriculture, agricultural power systems, and the uses of small engines in all areas of agriculture. Lecture one hour. Fall.

**AGED 2002. Agricultural Power: Electricity and Small Engines Laboratory.** Must be taken concurrently with AGED 2001. Laboratory four hours. Fall.

**AGED 2003. Introduction to Agricultural Education.** Corequisite: AGED 2000. A survey course designed to assist students majoring in Agricultural Education to evaluate the profession of school-based agricultural education (SBAE) teacher as a career choice. Topics include motives for serving as a teacher, developing efficacy as a teacher, becoming an effective teacher, and current trends in SBAE. Emphasis will be placed on the Conceptual Framework Competencies and high-yield, research-based strategies. Emphasis is also placed upon Arkansas requirements for teacher licensure and teacher candidate responsibilities for fulfilling such requirements in a timely manner. Teacher candidates are required to provide proof of Praxis CORE test registration, completed Praxis CORE scores, or appropriate ACT scores as a requirement for the course. A grade of C or higher is required of the student in the course for admission to the Educator Preparation Provider program. Lecture three hours. Spring.

**AGED 2011. Agricultural Structures.** Woodworking, types of structures, foundations and concrete, building materials, insulation values, ventilation, heating and cooling, plumbing, and structural material selection. Lecture one hour. Spring.

**AGED 2012. Agricultural Structures Laboratory.** Must be taken concurrently with AGED 2011. Laboratory four hours. Spring.

**AGED 2021. Agricultural Metals.** Modern welding and techniques, cold metal working, and metal working. Lecture one hour. Fall.

**AGED 2022. Agricultural Metals Laboratory.** Must be taken concurrently with AGED 2021. Laboratory four hours. Fall.

**AGED 3003. Leadership and Communication.** Covers leadership skills needed by teachers. Topics include group dynamics, conflict resolution, parliamentary procedure, public speaking, and many others. Lecture three hours. Fall, spring.

**AGED 4001. Classroom and Group Management in Agricultural Education.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Provides agricultural education candidates with classroom management principles and the application thereof in an inclusive classroom. An additional focus will involve preventing discipline problems and confronting and solving discipline problems. Candidates will address behavioral and disciplinary issues that are encountered during their supervised field experience. Spring.

**AGED 4002. Supervised Field Experience II-Agriculture.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. A planned, supervised, pre-student teaching experience in the classroom or appropriate school setting. Candidates will spend 15 hours observing in the agricultural science classroom and 5 hours observing other situations where agricultural science instructors teach and students learn (livestock shows, career development events, supervision of SAE's, chapter meetings, etc.) The candidates will also be responsible for teaching lessons in a collaborating school. Spring.

**AGED 4013. Methods in Agricultural Education.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Methods and techniques in the quality teaching of agricultural education. Spring.

**AGED 4023. Program Development.** Prerequisite: Unconditional admission to the Educator Preparation Program. Principles and procedures used in developing a well-rounded agricultural education program. Fall.

**AGED 4031. Teaching and Learning in the Agricultural Mechanics Laboratory.** Must be taken concurrently with AGED 4032. Laboratory two hours. Fall.

**AGED 4032. Teaching and Learning in Agricultural Mechanics.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Planning, directing, and evaluating teaching and learning in agricultural mechanics. Lecture two hours. Fall.

**AGED 4041. Teaching and Learning in Agricultural Education Laboratories Laboratory.** Must be taken concurrently with AGED 4042. Laboratory two hours. Fall.

**AGED 4042. Teaching and Learning in Agricultural Education Laboratories.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Planning, directing, and evaluating laboratory-based teaching and learning in agricultural education settings. Lecture two hours. Fall.

#### **Agriculture (AGRI)**

**AGRI 4033. Issues in Agriculture.** A capstone course that will focus on many critical issues that affect agriculture. Topics will include environment, genetic engineering, ethics in animal agriculture, food safety and usage, leadership, water and nutrient usage, endangered species as well as emerging issues. Lecture three hours. Fall, spring.

**AGRI 4452. Internship in Agriculture I.** Prerequisites: Permission of the instructor and sophomore standing or higher. A cooperative course that allows students to gain

university credit for work experience in the agriculture industry. Course requires a structured cooperative agreement with a valid agricultural enterprise. Students must complete AGRI 4551 the semester following enrollment in this course. Pass or fail. As needed.

**AGRI 4551. Internship in Agriculture II.** Prerequisites: AGRI 4452, permission of instructor and sophomore standing or higher. A cooperative course that allows students to gain university credit for work experience in the agricultural industry. Students must complete this course the semester following completion of AGRI 4452. Students will be required to prepare a paper and present a presentation on activities completed during AGRI 4452. As needed.

#### **Animal Science (ANSC)**

**ANSC 1000. Farm Experience.** The course facilitates required farm exposure for all agriculture majors as a step toward developing a general understanding of the day to day farm operation with a focus on animals. Students must register for the course as a corequisite to ANSC 1001 and receive a grade of CR. Fall.

**ANSC 1001. Introduction to Animal Science Laboratory.** Must be taken concurrently with ANSC 1003. Laboratory two hours. Fall.

**ANSC 1003. Introduction to Animal Science.** Introduction to the principles of animal sciences, including genetics reproduction, nutrition, and growth, and the management of farm animals and their products. Lecture three hours. Fall.

**ANSC 2001. Animal Nutrition I Laboratory.** Must be taken concurrently with ANSC 2002. Laboratory two hours. Fall.

**ANSC 2002. Animal Nutrition I.** Prerequisites: ANSC 1001/1003 and CHEM 1013/1011 or ANSC 1001/1003 and CHEM 1023/1021. Principles of animal nutrition including feed composition, feed digestibility, nutrient requirements and balancing rations. Lecture two hours. Spring.

**ANSC 2013. Animal Anatomy and Physiology.** Prerequisites: ANSC 2002/2001. An introductory study of anatomy and physiology of the various systems, organs, and tissue of farm animals. Lecture three hours. Fall.

**ANSC 3013. Animal Diseases and Health.** Prerequisites: ANSC 1003/1001, ANSC 2001/2002 and CHEM 1013/1011 or ANSC 1003/1001, ANSC 2001/2002 and CHEM 1113/1111. A study of disease and health of animals used in animal production systems including epidemiology of both bacterial and viral diseases and vaccination strategies. Lecture three hours. Fall.

**ANSC 3023. Animal Nutrition II.** Prerequisites: ANSC 2002/2001 and CHEM 1113/1111 or ANSC 2002/2001 and CHEM 1123/1121. A study of intake, digestion, and metabolism of farm animals. Lecture three hours. Spring.

**ANSC 3041. Animal Reproductive Physiology Laboratory.** Must be taken concurrently with ANSC 3042. Laboratory two hours. Spring.

**ANSC 3042. Animal Reproductive Physiology.** Prerequisites: ANSC 2002/2001 and ANSC 2013. 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. Spring.



**ANSC 3053. Animal Breeding.** Prerequisite: BIOL 3033/3031. To understand the principles of animal breeding and genetics and their application in the improvement of animals. Lecture two hours. Spring.

**ANSC 3101. Ruminant Animal Production Laboratory.** Must be taken concurrently with ANSC 3103. Laboratory two hours. Spring.

**ANSC 3103. Ruminant Animal Production.** Prerequisites: ANSC 2002/2001 and ANSC 2013. Study of nutrition, genetic, reproduction and management of sheep, goats, beef cattle, and dairy cattle. Lecture three hours. Spring.

**ANSC 3111. Non-Ruminant Animal Production Laboratory.** Must be taken concurrently with ANSC 3113. Laboratory two hours. Fall.

**ANSC 3113. Non-Ruminant Animal Production.** Prerequisites: ANSC 2002/2001 and ANSC 2013. Study of nutrition, genetic, reproduction and management of horses, swine, and poultry. Lecture three hours. Fall.

**ANSC 4003. Advanced Animal Physiology.** Prerequisites: ANSC 2013, ANSC 3013 and ANSC 3023. Advance study of physiology in farm animals with emphasis on growth, lactation, endocrinology, and nutrition. Lecture three hours. As needed.

**ANSC 4101. Beef Production Laboratory.** Must be taken concurrently with ANSC 4102. Laboratory two hours. Spring.

**ANSC 4102. Beef Production.** Prerequisites: ANSC 3013, ANSC 3023, ANSC 3033 and ANSC 3042/3041 or instructor's permission. A capstone course designed to integrate concepts of genetics, nutrition, and reproduction with management of beef cattle. Lecture two hours. Spring.

**ANSC 4121. Swine Production Laboratory.** Must be taken concurrently with ANSC 4122. Laboratory two hours. As needed.

**ANSC 4122. Swine Production.** Prerequisites: ANSC 3013, ANSC 3023, ANSC 3033 and ANSC 3042/3041 or instructor's permission. A capstone course designed to integrate concepts of genetics, nutrition, and reproduction with management of swine. Lecture two hours. As needed.

**ANSC 4131. Poultry Production Laboratory.** Must be taken concurrently with ANSC 4132. Laboratory two hours. As needed.

**ANSC 4132. Poultry Production.** Prerequisites: ANSC 3023, ANSC 3033, and ANSC 3042/3041 or instructor's permission. A capstone course designed to integrate concepts of genetics, nutrition, and reproduction with management of swine. Lecture two hours. As needed.

**ANSC 4501-4503. Special Problems in Animal Science.** Prerequisites: Permission of Instructor. A variable hour course individually designed for students who wish to conduct research in a specific area of Animal Science. One to three credit hours with a maximum of three credit hours towards degree. ANSC 4501 is repeatable for credit. Fall, spring, summer.

#### **Anthropology (ANTH)**

**ANTH 1003. Introduction to Cultural 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. Same as SOC 1003. (ACTS-ANTH 1013) Spring.

**ANTH 3043. Approaches to Archaeology.** 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. Same as SOC 3043. As needed.

**ANTH 3143. Anthropology: The North American Indian.** The archaeology, 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 and SOC 3143. Spring.

**ANTH 4133/4233. Advanced Topics in Anthropology.** Special topics in anthropology as chosen by the faculty. Students may take the course once under each number with different topics. As needed.

#### **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. Fall.

**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. Spring.

**ART 1033 Concept Art.** This studio course provides students with a practical foundation for creating idealized characters and archetypes based on behavior models for Games and Graphics. Spring.

**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. Fall.

**ART 1103. Introduction to Game Development.** The purpose of this course is to learn about the history of games, game design principles, ethics in the content and development of games, and the structure of how games are developed. The course will look at games and their cultural, social, and economic influences. It will help students explore the ways that people experience games as well as how games use design principles from art and interactive media. The course will also look at the concepts of play and gamification. Fall, spring.

**ART 1113. Drawing II.** Prerequisite: ART 1013. Advanced problems in drawing, life drawing, group composition, drawing with colored media, and experimental techniques. Spring.

**ART 2003. Introduction to Communication Design.** Prerequisites: ART 1013, ART 1043, and ART 2123. 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 communications design concepts and trends. Spring.

**ART 2013. Art Appreciation.** 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. (ACTS-ARTA 1003) Fall, spring, summer.

**ART 2023. Printmaking I.** Prerequisites: ART 1013 and ART 1043. Basic studio work in printmaking processes and techniques including relief, serigraphy, intaglio, and lithography. Fall.

**ART 2043. Layout and Production.** The course is designed to provide a greater understanding of how elements of design function in a specified area, and how to position these elements for hierarchical purposes. Traditional and contemporary techniques will be discussed and applied to a variety of media in design. In addition to layout techniques, it is important to understand production limitations and capabilities within a specific design medium. This course will provide an understanding of what is practical in different areas of design in terms of production. Spring.

**ART 2063. Ceramics I.** An introduction to ceramic processes including hand building techniques, wheel forming, glaze, and firing procedures. Studio six hours. Offered - see advisor. Spring.

**ART 2093. Introduction to Playgramming.** Prerequisite: CSCI 2133. This course will expand on the information taught in CSCI 2133 with a focus on the scripting languages and game engine tools utilized by artists in the game development and simulation industries. It will cover physical interactions between game objects such as collisions, physics, and events as well as animation systems. Spring.

**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. Spring.

**ART 2123. Graphic Software Applications.** Students complete projects that introduce them to Adobe Photoshop, Illustrator, InDesign, and multimedia applications such as Adobe After Effects, Soundbooth and Premiere to develop their technical proficiency. Students will understand the particular capabilities of the applications and the importance of correct formats in visual application designed for new media and print. Same as MCOM 2123. Fall.

**ART 2133. Basic Digital Photography.** The course will focus on the taking of photographs and the enhancement and printing of photographs from within a digital environment. Topics include terminology/technology, lighting, composition, depth of field, exposure, shutter speeds, lenses, digital file storage and management and electronic viewing. Student must furnish own digital camera, preferably with manual adjustments for focus aperture and shutter. Same as MCOM 2133. Fall, summer.

**ART 2143. 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. (ACTS-ARTA 2003) Fall.

**ART 2163. Introduction to Typography.** Prerequisites: ART 1043 and ART 2123. Through the study of the history of typography, typographic lessons are explored chronologically to give the student a broad base of knowledge in grids, techniques, typeface creation and language. Fall.

**ART 2183. Game Design Management.** A practical foundation in game design and project management with a focus on concept development, design composition, and prototyping. Using game design theory analysis, character analysis, playtesting, and iteration, students learn how to translate game ideas, themes, and metaphors into gameplay, game pitches, and design documents. Students will analyze and recognize play that exists in important games, stories, and other media. Fall.

**ART 2193. Introduction to 3D Modeling Tools.** Using the Maya Environment as well as other applications that are open source, students will be introduced to user interfaces, tools, shortcuts and menus necessary for game creation, and begin the process of polygon and nurb building by practicing 3D design techniques. Fall.

**ART 2203. Introduction to Art Therapy.** Offers an overview of the history and growth of art therapy as a discipline, along with an overview of theoretical approaches that have evolved from the founding practitioners in the field. Students develop a specific definition of art therapy that conveys a personal approach, as well as a clear understanding of the role of art therapists in various work settings. Current developments and future directions within the field are also explored. Spring.

**ART 3033. Printmaking II.** A continuation of Printmaking 2023, but will focus on lithography and monotype/mono-print. Will explore in further depth the process of printing in edition, with an emphasis on the artistic rather than the commercial aspect. All techniques will be demonstrated and explored “hands-on” while being discussed in terms of historical progression. Course content will include the mechanics of the litho press, the process of printing, color separation, remedies to print failures, and critiques. The art of matting, conservation and care of prints and the varieties of paper available will be discussed. This is a physically demanding class due to the nature of the printing process. Fall.

**ART 3053. Animation I.** Prerequisites: ART 1033 or ART 1113. This course primarily delves into 2D design creation and implementation in linear and nonlinear environments, but will investigate preliminary instruction into 3D environments as well. Spring.

**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. Fall.

**ART 3083. Advanced Typography.** Prerequisite: ART 2163. Study of letter forms, their history, and designing with type. Emphasis on innovative typography in a variety of media and concepts and the use of pictorial symbols as forms of communication. Spring.

**ART 3093. Physics of Animation.** Prerequisites: ART 2193 and ART 3053. This course focuses on 3D animation and Visual FX physics-based animation systems in 3D modeling and animation software such as Maya and in game development software such as Unity. An understanding of 3D modeling software, basic game engine use and animation principles is expected prior to entry. Spring.

**ART 3123. Art History II.** A continuation of ART 2143 covering the period from Gothic art to nineteenth century Realism. Includes exposure to both Western and non-Western works and their influences. (ACTS-ARTA 2103) Spring.

**ART 3133. 3D Character Design and Sculpture.** Prerequisite: ART 2193 and ART 3053. This class will introduce the design and production pipeline of 3D. Students will

use software such as Maya, Mudbox, ZBrush, Photoshop, and Substance Painter to create detailed models for use in games and animation. Students will learn and apply advanced modeling, UV design and layout, sculpting, and texture map creation and application. Fall.

**ART 3143. 3D Character Rigging.** Prerequisites: ART 2193 and ART 3053. This class will introduce character rigging and the role of technical artists in the game development industry. This class focuses on systems for creating 3D skeletons and controls for manipulating the skeletons and 3D mesh attached as well as technical art skills utilized to automate and streamline production pipelines. Fall.

**ART 3153. Simulation Development I.** Prerequisites: ART 2193. The focus of this class is to begin the process of creating the foundation for subsequent techniques. Students will develop from the preliminary courses they have already taken a baseline for researching models that work in a broad variety of gaming environments and add to their arsenal of tools by understanding new techniques in texturing, lighting and color. Spring.

**ART 3163. Processes and Materials of Art Psychotherapy.** Prerequisite: ART 2203. This course is designed so that the student will directly experience the therapeutic usefulness and understand the psychological implications of a variety of materials and processes. Students will become familiar with the language of art and the range of possible therapeutic responses. Spring.

**ART 3223. Illustration.** Prerequisites: ART 1013 and ART 1043. Exploration of a variety of illustrative techniques and concepts. Emphasis on black and white illustration. Studio six hours. Spring, alternate years.

**ART 3233. Painting II.** Prerequisite: 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. Fall.

**ART 3333. Advanced Communication Design.** Prerequisite: ART 2003. 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. Fall.

**ART 3353. Multimedia and Web Design I.** Prerequisites: ART 1043, ART 2003, and ART 2123. Introductory course to web design and multimedia using a variety of software options and formats including CSS, Dreamweaver, After Effects, Final Cut Pro and Flash. Fall.

**ART 3363. Advanced Digital Photography.** Prerequisites: ART 2133/MCOM 2133. Open to all majors who desire concentrated exploration in digital photography 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. Six studio hours – classroom and on location. Periodical progress reviews will be established. Fall.

**ART 3401-03. Art Internship.** Prerequisites: 60+ hours, minimum GPA 3.00, and/or recommendation of an art faculty member. 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. The ART internship program offers 1 to 3 hours of

credit, and as an honors program. Students are restricted to a cumulative total of 4 credit hours under the internship program. As needed.

**ART 3543. Figure Drawing.** Prerequisite: ART 1113 or approval of the instructor. The course is to study, understand, and experience through drawing and painting, the styles and impetus behind figurative art. The focus of this class will be on the structure, weight, and form of the body, its bone and muscular anatomy as well as how the human form has been and is being used as a means to an end in art. Part of the class will focus on periods of figurative change due to artists' thoughts, motivations, and practices, and will investigate the various personal, social, political, sexual and cultural forces that promoted artists to rethink the human form. This course will deal with figurative genres, such as isolated and group figures, interior and exterior scenes, realism and abstraction – in both an objective and interpretive manner. This class is not intended to provide solutions; instead, it will offer options. Fall, alternate even years.

**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. Fall, alternate even years.

**ART 4013, 4113. Special Topics in Art I, II.** Prerequisites: Successful completion of 15 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 I, Fall/Art II; Fall, alternate years.

**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. Advanced Art Studio I, Fall; Advanced Art Studio II, Fall, alternate years.

**ART 4033. History of Modern Art.** 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. Spring.

**ART 4053. Package Design.** Prerequisites: ART 2003. 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. Spring.

**ART 4063. Art History Seminar I.** This course is designed to give the student a deeper understanding of current research methods and tactics in the field of art history. Topics may vary from student to student, or from semester to semester. The student may produce a number of research papers and/or projects related to art history during the course of the semester. There may also be some travel involved in this course. Fall.

**ART 4073. Art History Seminar II.** By permission of the instructor. A continuation of Art History Seminar I. Fall.

**ART 4132. Senior Capstone Review.** The work of the students from throughout their academic career will be evaluated by faculty for exhibition and compared with professional standards designed to prepare them for a career in the art and design community. Fall, alternate years. Spring.

**ART 4153. Animation II.** Prerequisite: ART 3053 and ART 3093. This course is a concentrated exploration of animation as a medium. Students will propose individual or group focused projects in either 2D or 3D animation and work with creating milestones, doing research on their topics, and creating finished projects. Fall.

**ART 4163. Advanced Level Visual Design.** Prerequisites: ART 3153 and ART 3143. This studio provides gamers and animators an in depth opportunity to explore their visual voice whether it is user interface relationships in the 3D or 2D, or strictly exploring avenues in character, story or design development. A broad variety of technologies using visual applications requiring advanced knowledge of computer technology applications, programs and languages, and requiring a deep understanding of the visual arts and the elements of design is necessary. Spring.

**ART 4173. Simulation Development II.** Prerequisite: ART 3153. This course applies the 3D modeling, animation, and technical art skills learned in previous classes. Students will research various industries and utilize these skills and apply that research in projects and presentations. Spring.

**ART 4193. Game Development Senior Project.** Students will apply the art and design knowledge they have acquired in previous semesters to group a portfolio project designing and developing a working prototype game. Working together with CSCI 4193, game development students, they will learn how to work cooperatively between programmers and artists, create and keep production milestones and reflect on and evaluate the ongoing process as well as the end product. Spring.

**ART 4213. Art Therapy Senior Seminar.** Prerequisites: ART 2203, ART 3163. This course was designed as a seminar where the instructor assigns weekly articles and/or research papers that address a wide range of contemporary art therapy issues. The students will acquire a broad understanding of the applications, theories, ethics, and career paths when preparing to apply to accredited art therapy or other related counseling graduate programs. Spring.

**ART 4233. Painting III.** Prerequisites: ART 2103, ART 3233, and permission of instructor. A continuation of ART 3233 Painting II. This course is intended to help upper level students develop a body of paintings through individualized assignments and critiques that are matched to each student's ideas and work. Projects are relevant to the concerns of contemporary painting and the development of a painting aesthetic. Fall.

**ART 4243. Printmaking III.** Prerequisites: ART 2023, ART 3033, and permission of instructor. A continuation of ART 3033 Printmaking II. This course is intended to help upper level students develop of body of prints through individualized assignments and critiques that are matched to each student's ideas and work. Professional practices and communication skills relevant to a multicultural discipline are taught, preparing students for graduate education, as well as, professional work. Projects are relevant to the concerns of contemporary painting and the development of a printmaking's aesthetic. Fall.

**ART 4263. Ceramics III.** Prerequisites: ART 2063, ART 3063, and permission of instruction. A continuation of ART 3063 Ceramics II. This course is intended to help upper level students develop a body of ceramic work to strengthen their portfolio as a professional artist and/or for application into graduation. Fall.

**ART 4353. Multimedia and Web Design II.** Prerequisite: ART 3353. This advanced course employs a variety of software applications to enhance the student's understanding of design and function in digital media. Students will apply core concepts and use a full range of skills to complete projects that reflect industry standards. Spring.

#### **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. As needed.

**ASL 1012. American Sign Language II.** Designed to develop expressive and receptive signing skills and to develop ability in American Sign Language. As needed.

#### **Asian Studies (AST)**

**AST 4383, 4393. Advanced Topics.** Advanced topics in Asian Studies as chosen by the faculty. Students may take the course once under each number with different topics. Offered - see advisor.

#### **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 50 observation hours. Fall.

**AT 1011. Aquatic Therapeutic Exercise.** Prerequisite: Consent of instructor. A study of aquatic therapeutic techniques used in the conditioning, reconditioning and rehabilitation of athletic-related injuries to the physically active. Fall. Spring, as needed.

**AT 1012. Taping and Bandaging in Athletic Training.** Prerequisites: Consent of instructor. The study and application of the use of taping and bandaging techniques used in the prevention and care of athletic-related injuries. Spring.

**AT 1021. Strength and Conditioning.** Prerequisite: 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. Includes safety procedures and principles used in various seasons of activity. Fall. Spring, as needed.

**AT 2003. Evaluation of Upper Extremity.** Prerequisites: HS 2043, HS 2443 and acceptance into ATEP. The study and application of the advanced principles and techniques of evaluating athletic injuries to the upper extremity and adjacent structures. Fall.

**AT 2013. Evaluation of Lower Extremity.** Prerequisites: HS 2043, HS 2443, and AT 2003. The study and application of the advanced principles and techniques of evaluating athletic injuries to the lower extremity. Spring.



**AT 2031. Clinical Experience 1.** Prerequisites: Admitted into the ATEP. A study of psychomotor skills required to perform athletic training techniques in clinical settings. Techniques reflect those presented in lecture courses and the related competencies. Supervised practical experience and skill testing will take place. Requires a minimum of 100 and a maximum of 150 supervised clinical and field experience hours. Fall.

**AT 2041. Clinical Experience 2.** Prerequisites: AT 2031. A study of psychomotor skills required to perform athletic training techniques in clinical settings. Techniques reflect those presented in lecture courses and the related competencies. Supervised practical experience and skill testing will take place. Requires a minimum of 100 and a maximum of 150 supervised clinical and field experience hours. Spring.

**AT 3003. Therapeutic Modalities.** Prerequisites: HS 2043, HS 2443 and acceptance into ATEP. 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. Spring.

**AT 3012. Pathology of Athletic Injuries.** Prerequisites: HS 2043. 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. Fall.

**AT 3013. Therapeutic Exercise.** Prerequisites: HS 2043 and HS 2443, or consent of the 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. Fall, spring.

**AT 3023. Strength and Conditioning.** A study of physical conditioning principles, including weight training, circuit training and cardiovascular training techniques used in rehabilitation, reconditioning and condition of active persons and activity related injuries. Including safety procedures and principles used in various seasons of activity. Fall, spring.

**AT 3031. Clinical Experience 3.** Prerequisites: AT 2041. 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 and a maximum of 150 supervised clinical and field experience hours. Fall.

**AT 3033. Introduction to Therapeutic Recreation.** A course designed to acquaint the undergraduate major with aspects of aquatic therapy and recreation therapy and expand students' understanding of topics with those areas of study. Spring.

**AT 3041. Clinical Experience 4.** Prerequisite: AT 3031. 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 and a maximum of 150 supervised clinical and field experience hours. Spring.

**AT 4003. Professional Healthcare Issues.** Prerequisites: Senior standing, HS 4433, or consent of instructor. A study of intervention, referral concepts, 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. Spring.

**AT 4013. Organization and Administration in Athletic Training.** Prerequisites: HS 4433. 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. Spring.

**AT 4031. Clinical Experience 5.** Prerequisite: AT 3041. A study of psychomotor skills required to perform athletic training techniques in clinical settings. Techniques reflect those presented in lecture courses and the related competencies. Supervised practical experience and skill testing will take place. Internship opportunities with local allied healthcare providers will be required. Requires a minimum of 100 and a maximum of 150 supervised clinical and field experience hours. Fall.

**AT 4041. Clinical Experience 6.** Prerequisite: AT 4031. A study of psychomotor skills required to perform athletic training techniques in clinical settings. Techniques reflect those presented in lecture courses and the related competencies. Supervised practical experience and skill testing will take place. Externship opportunities with local allied healthcare providers will be required. Requires a minimum of 100 and a maximum of 150 supervised clinical and field experience hours. Spring.

#### **Biology (BIOL)**

**BIOL 1041. Introduction to Biology Lab.** To accompany BIOL 1043 The lab reinforces and supplements basic principles of biology presented in BIOL 1043. . Laboratory two hours. (ACTS-BIOL 1004) Fall, spring, summer.

**BIOL 1043. Introduction to Biology.** Corequisite: BIOL 1041. 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. (ACTS-BIOL 1004) Fall, spring, summer.

**BIOL 1051. Issues in Conservation Biology.** In this course we will study the discipline of conservation biology by examining major themes of the discipline. In the first half of the course we will discuss the many threats to conservation and biodiversity, which may leave you feeling depressed and hopeless for the future of our planet. Then in the second half of the class we will learn about the powerful tools we have to counteract those threats, the people doing that important work, and success stories that will reinvigorate you and inspire you on your path to becoming conservation practitioners.

**BIOL 1201. Principles of Biology I Lab.** Laboratory that accompanies BIOL 1203 Principles of Biology I. Must be taken concurrently with BIOL 1203. Fall, spring, summer.

**BIOL 1203. Principles of Biology I.** Corequisite: BIOL 1201. This course serves as the first part of a two-semester introduction to the principles of biology and serves as a prerequisite for biology courses for biology majors and minors. Topics covered include an introduction to evolution, ecology, and a survey of the diversity of life. Must be taken concurrently with BIOL 1201. Lecture three hours. Fall, spring, summer.

**BIOL 1211. Principles of Biology II Lab.** Prerequisites: Grade of C or better in BIOL 1203/1201 and C or better in CHEM 1023/1021. The laboratory course accompanies BIOL 1213 Principles of Biology II, the second part of a two-semester introduction to the principles of biology and prerequisite for all other biology courses for biology majors and

minors. BIOL 1211 reinforces basic principles of biology presented in BIOL 1213. Must be taken concurrently with BIOL 1213. Laboratory two hours.

**BIOL 1213. Principles of Biology II.** Prerequisites: Grade of *C* or better in BIOL 1203/1201 and *C* or better in CHEM 1023/1021. Corequisite: BIOL 1211. This course serves as the second part of a two-semester introduction to the principles of biology and serves as a prerequisite for all other biology courses for biology majors and minors. Topics include the chemical basis of life, cellular respiration, photosynthesis, cell structure and function, and molecular and cellular processes of inheritance. Must be taken concurrently with BIOL 1211. Lecture three hours. Fall, spring, summer.

**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, spring.

**BIOL 2061. Anatomy and Physiology I Lab.** A two hour laboratory course is the first part of a two-part overview of the structure and function of the human body. Topics covered are histology, skeletal system, muscular system, nervous system, and special senses. Must be taken concurrently with BIOL 2063. Laboratory two hours. Fall, spring, summer. (ACTS-BIOL 2404)

**BIOL 2063. Anatomy and Physiology I.** Corequisite: BIOL 2061. This course is the first of a two-part comprehensive overview of the structure and function of the human body. Topics covered include the skeletal, muscular, and nervous systems as well as special senses. Must be taken concurrently with BIOL 2061. Lecture three hours. (ACTS-BIOL 2404) Fall, spring, summer.

**BIOL 2071. Anatomy and Physiology II Lab.** Must be taken concurrently with BIOL 2073. Laboratory two hours. (ACTS-BIOL 2414) Fall, spring, summer.

**BIOL 2073. Anatomy and Physiology II.** Prerequisite: BIOL 2061/2063. Corequisite: BIOL 2071. This course is the second of a two-semester study of the human body and includes a study of the cardiovascular, blood, lymphatic and immunity, respiratory, digestive, metabolism and nutrition, endocrine, urinary, fluid-electrolyte acid-base balance, reproductive systems, as well as development. Must be taken concurrently with BIOL 2071. Lecture three hours. (ACTS-BIOL 2414) Fall, spring, summer.

**BIOL 2111 General Zoology Lab:** To accompany BIOL 2113. Laboratory two hours. Spring.

**BIOL 2113. General Zoology.** Prerequisites: Grade of *C* or better in BIOL 1213/1211. Corequisite: BIOL 2111. This course will cover the diversity, taxonomy, biology, and life history patterns of organisms within the animal kingdom. Lecture three hours. Spring.

**BIOL 2403. Medical Terminology.** Prerequisites: One course in biology or consent of instructor. A concentrated study of basic medical terminology. Lecture three hour. Fall, spring.

**BIOL 3021. Microbiology Lab.** To accompany BIOL 3023. An introduction to modern and classical microbiological techniques, including identification of microorganisms using metabolic pathways and modern genetics. Fall, spring, summer as needed.

**BIOL 3023. Microbiology.** Prerequisite: Grade of *C* or higher in BIOL 3033/3031. Corequisite: BIOL 3021. An introduction to the life history, morphology, metabolism, and general characteristics of microorganisms and their impact on the environment and humans. Must be taken concurrently with BIOL 3021. Lecture three hours. Fall, spring, summer as needed.

**BIOL 3031. Genetics Laboratory.** To accompany BIOL 3033. Laboratory two hours. Fall.

**BIOL 3033. Genetics.** Prerequisite: Grade of *C* or better in BIOL 1213/1211. Corequisite: BIOL 3031. An introduction to the principles of heredity, including gene structure and function. This course provides a comprehensive overview of both classical genetic theory and modern molecular-genetic mechanisms. Lecture three hours. Fall.

**BIOL 3043. Cell Biology.** Prerequisites: Grade of *C* or better in BIOL 1213/1211 and BIOL 3033/3031. A study of the structure, function, and behavior of cells with particular emphasis on the biochemical reactions underlying cellular physiology and the techniques used to examine these reactions. Spring.

**BIOL 3071. Entomology Lab.** To accompany BIOL 3073. Laboratory and field trips three hours. Same as PLSC 3071. As needed.

**BIOL 3073. Entomology.** A study of the principal orders of insects with consideration of life cycles, economic importance, and the methods of control. Lecture three hours. Same as PLSC 3073. Fall.

**BIOL 3081. Plant Physiology Lab.** To accompany BIOL 3083. Laboratory two hours. Same as PLSC 3081. As needed.

**BIOL 3083. Plant Physiology.** Prerequisites: BIOL 3183/3181 and one year of chemistry. A study of the basic physiological processes of plant growth and metabolism. Lecture three hours. Same as PLSC 3083. As needed.

**BIOL 3141. Comparative Vertebrate Anatomy Lab.** Prerequisites: BIOL 1213/1211. To accompany BIOL 3141. As needed.

**BIOL 3143. Comparative Vertebrate Anatomy.** Prerequisites: Grade of *C* or better in BIOL 1213/1211. Corequisite: BIOL 3141. An advanced lecture in the evolution and morphology of vertebrates. As needed.

**BIOL 3181. Botany Lab.** Prerequisite: BIOL 1213/1211. Laboratory that accompanies BIOL 3183. Laboratory 2 hours.

**BIOL 3183. Botany.** Prerequisite: BIOL 1213/1211. An introduction to the fundamental principles of plant structure and function. Lecture 3 hours.

**BIOL 3243. Introduction to Toxicology.** Prerequisite: Grade of *C* or better in BIOL 1213/1211 and CHEM 3003. An introduction to the field of toxicology with an emphasis on the classification of toxic agents, the characteristics of exposure, mechanisms of toxins, and the adverse effects of toxins. Methods and regulatory aspects for conducting toxicity studies will be reviewed. Lecture 3 hours. Same as CHEM 3243. As needed.

**BIOL 3253. Analysis and Identification of Environmental Toxins.** Prerequisite: BIOL 3243. In this course, students will learn about various analytical techniques and instrumentation available to analyze and identify environmental toxins. Students will design protocols to examine toxins. Lecture 3 hours. Same as CHEM 3253. Fall.

**BIOL 3301. Systematic Botany Lab.** To accompany BIOL 3303. Laboratory and field trips four hours. Spring, odd years.

**BIOL 3303. Systematic Botany.** Prerequisites: BIOL 3183/3181. Identification, classification, and phylogeny of vascular plants. Lecture two hours. Spring, odd years.

**BIOL 3341. Field Experiences Lab.** This lab will be focused on a specific geographic landscape that will rotate from year to year. Students will become experts on specific ecosystems and phenomena within the landscape of focus and will document various important and interesting features using a variety of media. Held during Spring Intersession, this course includes a 1-week field trip followed by 1 week of on-campus meetings. Spring Intersession.

**BIOL 3343 Field Experiences.** This course will be focused on a specific geographic landscape that will rotate from year to year. Students will become experts on specific ecosystems and phenomena within the landscape of focus and will develop methods to document various important and interesting features using a variety of media. Over the semester, students will prepare for a 1-week field trip over intersession. Spring.

**BIOL 3371. Introduction to Neuroscience Lab.** Corequisite: BIOL 3373. This course provides practical, hands-on experience to accompany the materials presented in Introduction to Neuroscience lecture. Students will learn neuroscience skills including neuroanatomy, histology, gene manipulation, and electrophysiology. Spring.

**BIOL 3373. Introduction to Neuroscience.** Prerequisite: Grade of C or better in BIOL 1213/1211. Explores how the nervous system of humans and other animals is organized, how it develops, and how it functions at the cellular and molecular levels to generate complex behaviors. Lecture 3 hours. Spring.

**BIOL 3381. Herpetology Lab.** To accompany BIOL 3383. Laboratory three hours. As needed.

**BIOL 3383. Herpetology.** Prerequisite: Grade of C or better in BIOL 1213/1211. Taxonomy, natural history and conservation of amphibians, reptiles, crocodylians and turtles, emphasizing local fauna. Lecture three hours. As needed.

**BIOL 3391. Ichthyology Lab.** To accompany BIOL 3393. Laboratory three hours. As needed.

**BIOL 3393. Ichthyology.** Prerequisite: Grade of C or better in BIOL 1213/1211. This course will cover taxonomy, biology, ecology, and conservation of fishes, with emphasis on local taxa. Lecture three hours. As needed.

**BIOL 3411-4. Internship in Biology.** Prerequisites: 60 hours and 2.75 GPA. The biology internship allows the student to work in a career or research area in which they are interested. The internship often provides a base for future networking and can provide a valuable employer reference for the biology student. Fall, spring.

**BIOL 3421. Mammalogy Lab.** To accompany BIOL 3423. Laboratory three hours. As needed.

**BIOL 3423. Mammalogy.** Prerequisite: Grade of C or better in BIOL 1213/1211. Corequisite: BIOL 3421. Taxonomy, morphology, physiology, behavior, ecology and conservation of mammals, emphasizing mammals that occur in Arkansas and adjacent states. Lecture three hours. Fall, even years.

**BIOL 3434. Paleobiology.** Prerequisite: Grade of *C* or better in BIOL 1203/1201. This course will explore the fossil record and address current and historical global geological events that affected living things and their ecosystems. Special focus will be on the marine realms. As needed.

**BIOL 3443. Global Environmental Change.** Human activity rivals nature as an agent of change in the global environment. In this course we will examine evidence of environmental change across geological timescales within the Earth System. We will then dissect the connection between climate dynamics and the Earth's energy budget in order to better understand how and why human activity influences environmental change today and into the future. We will further explore how such changes impact modern society. Spring semester, odd years.

**BIOL 3503. Marine Biology.** Prerequisite: Grade of *C* or better in BIOL 1213/1211. This course will cover patterns in diversity and distribution of marine life, special adaptations of marine organisms, structure and function of marine ecosystems, and contemporary marine conservation issues. Lecture three hours. Fall.

**BIOL 3521. Ornithology Lab.** To accompany BIOL 3523. Laboratory three hours. Spring, even years.

**BIOL 3523. Ornithology.** Prerequisite: Grade of *C* or better in BIOL 1213/1211. Taxonomy, conservation and natural history of birds emphasizing local fauna. Lecture three hours. Spring, even years.

**BIOL 3553. Conservation Genetics.** Prerequisite: Grade of *C* or better in BIOL 1213/1211 and BIOL 3033/3031. This course provides an introduction to the types of molecular polymorphisms found in nature, how genetics information is organized, what evolutionary and demographic forces act to shape genetic polymorphisms, and how and why genetics are useful in population conservation and management. Spring, even years.

**BIOL 3611. Microbiology for Nursing and Allied Health Lab.** A laboratory course to be taken in conjunction with BIOL 3613. This course is designed to train allied health students in the microbiological techniques required to study medically important microorganisms. Fall, spring.

**BIOL 3613. Microbiology for Nursing and Allied Health.** Corequisite: BIOL 3611. An introduction to microorganisms and the infectious diseases they cause. Topics include microbial metabolism, morphology, genetics, pathogenesis of the major human systems, and immunology. Fall, spring.

**BIOL 3701. Vertebrate Physiology Lab.** Prerequisites: Grade of *C* or better in 1213/1211. Corequisite: BIOL 3703. Laboratory exercises investigating physiological mechanisms of vertebrates. Laboratory three hours. Fall.

**BIOL 3703. Vertebrate Physiology.** Prerequisites: Grade of *C* or better in 1213/1211. A study of the basic physiological processes of vertebrate systems. Lecture three hours. Fall.

**BIOL 3713. Bioinformatics.** Prerequisites: Grade of *C* or better BIOL 3033/3031. This course introduces students to a rapidly growing field that integrates biological data, molecular biology, statistics and computer science. In this course, students will learn the available tools for performing bioinformatics analysis. Same as CSCI 3713. Lecture 3 hours. As needed.

**BIOL 3763. Evolutionary Biology.** Prerequisites: Grade of *C* or better in BIOL 3033/3031. Evidence for evolutionary change, a history of life on Earth, the fundamental evolutionary processes of mutation, selection, drift, migration, adaptation, and speciation. Lecture 3 hours. Spring.

**BIOL 3843. Oceanography.** Prerequisites: Grade of *C* or better in BIOL 1213/1211 and *C* or better in CHEM 1123/1121. This course provides an integrated overview of the physics, chemistry, geology, and biology of Earth's oceans. Lecture three hours. Spring, even years.

**BIOL 3901. Human Genetics Lab.** To accompany BIOL 3903. Introduction to the methodology and techniques of human genetics. Cannot be counted toward upper-level science electives. Laboratory two hours. Fall.

**BIOL 3903. Human Genetics.** Prerequisites: Four hours of biology. Corequisite: BIOL 3901. This course is intended for non-biology majors and is an introduction to the principles of genetics as applied to humans, including clinical, medical, ethical, technological, and evolutionary issues that directly affect human society. Cannot be counted toward upper-level science electives. Fall.

**BIOL 4011. Ecology Lab.** To accompany BIOL 4013. Laboratory three hours. Fall.

**BIOL 4013. Ecology.** Prerequisites: Grade of *C* or better in BIOL 1213/1211. A study of the structure and function of aquatic and terrestrial ecosystems. Lecture three hours. Fall.

**BIOL 4031. Developmental Biology Lab.** To accompany BIOL 4033. Laboratory three hours. Fall, even years.

**BIOL 4033. Developmental Biology.** Prerequisite: Grade of *C* or better in BIOL 1213/1211 and BIOL 3033/3031. This course will provide an in-depth study of how animals grow from embryo to adult stages, examining development at the cellular, molecular, and anatomic levels. Lecture three hours. Fall, even years.

**BIOL 4041. Immunology Lab.** Corequisite: BIOL 4043. This course teaches students immunological techniques, including cell culture, immune stimulation, Western blotting, flow cytometry, immunofluorescence and ELISA.

**BIOL 4043. Immunology.** Prerequisite: Grade of *C* or better in BIOL 3033/3031. BIOL 3043 or BIOL 4503 are highly recommended. An introduction to the cells of the immune system, immune activation, immune development, immune regulation, immune defense, and immune disorders. Lecture three hours. As needed.

**BIOL 4053. Environmental Toxicology.** Prerequisite: BIOL 3243. An introduction to the field of environmental toxicology. The nature of environmental toxic substances and their effects on human health will be reviewed. Case studies related to major environmental contaminants along with risk assessment strategies will be covered. Lecture 3 hours. Same as CHEM 4053. Spring.

**BIOL 4061. Wildlife Ecology and Management Lab.** Corequisite: BIOL 4063. A laboratory designed to familiarize students with current techniques and applications in wildlife management ecology. Lecture three hours. Spring, odd years.

**BIOL 4063. Wildlife Ecology & Management.** Prerequisite: BIOL 4013/4011. An advanced course that investigates ecological models used in wildlife management. Lecture three hours. Spring, odd years.

**BIOL 4101. Biology Colloquium.** Prerequisite: Biology major with senior standing. Discussion, preparation, and presentation of papers on current topics in biology. Two hours. Fall, spring.

**BIOL 4183. Ecotoxicology.** Prerequisites: BIOL 3243. An introductory course into the study of ecotoxicology. Students will review the fate and biological effects of selected toxins in ecosystems. Remediation approaches, and methods for identifying and analyzing of toxic agents with exosystems will be covered. Lecture three hours. Same as CHEM 4183. Spring.

**BIOL 4243. Viral Genetics.** Prerequisites: BIOL 3033. An introduction to the molecular-genetic processes that underlie viral infection in all forms of cellular life. This is an upper level genetics class. BIOL 4503 Molecular Biology is recommended.

**BIOL 4244. Advanced Microscopy and Histology.** Prerequisite: A grade of C or better in BIOL 1213/1211. This course will provide a general survey of microscopy techniques and sample preparation. We will cover the basic microscope structure, function, and use of light and electron microscopes. We will also cover sample preparation and mounting as well as selecting appropriate staining techniques. A major focus of this class will be practical microscope selection and use as well as acquiring and analyzing data to meet research goals. As needed.

**BIOL 4501. Molecular Biology Lab.** Prerequisites: BIOL 3033/3031. To accompany BIOL 4503. Introduction to the techniques and methods used in the molecular biology lab including DNA extraction, PCR, gel electrophoresis, restriction digestion, genetic transformation, RNA interference, DNA sequencing and bioinformatics analysis. Lab two hours. Spring.

**BIOL 4503. Molecular Biology.** Prerequisite: A grade of C or better in BIOL 3033/3031. Corequisite: BIOL 4501. This course presents an overview of the principles of molecular biology, genome function and gene regulation with an evolutionary perspective on both the diversity and commonalities of molecular processes across major groups of life. Lecture three hours. Spring.

**BIOL 4663. Natural Resource Policy and Administration.** Prerequisites: Grade of C or better in BIOL 1213/1211. Factors in evolution, range, wildlife and related natural resources administration and policies in the United States; policy components; policy formation in implementation, administration and change processes; introduction to criteria for evaluating effectiveness of policies and administration. Lecture three hours. Fall, odd years.

**BIOL 4692-6. Advanced Topics.** Prerequisites: Twelve hours of biology. A course devoted to special topics in biology not treated in other biology courses. May be repeated. As needed.

**BIOL 4891, 4991. Independent Research in Biology.** Prerequisites: Grade of C or better in BIOL 1213/1211. Student will conduct an independent research project under the guidance of a biology faculty member. Student will meet weekly with his/her faculty research advisor and contribute to the design, implementation, analysis and presentation of experimental research. May be repeated. Fall, spring, summer.

#### **Chemistry (CHEM)**

(Please note that courses in this section are not listed sequentially by numbers.)

**CHEM 1002. Preparative College Chemistry.** This course is designed to introduce the basic mathematical concepts used in chemistry so that a student can be better prepared



for succeeding in University Chemistry I and II. This course under no circumstance can be used as a science or general education credit. As needed.

**CHEM 1011. College Chemistry I Lab.** Must be taken concurrently with CHEM 1013. One two-hour period per week. (ACTS-CHEM 1214) Fall, spring.

**CHEM 1013. College Chemistry I.** Prerequisite or corequisite: MATH 1023. An introductory course in inorganic chemistry. The first semester of a two-semester General-Organic-Biochemistry (G.O.B.) sequence. Class emphasis is directed toward the needs of students in agricultural-business, nursing, and others not majoring in science. Three hours lecture and two hours laboratory per week (See CHEM 1011). (ACTS-CHEM 1214) Fall, spring.

**CHEM 1111. College Chemistry II Lab.** Must be taken concurrently with CHEM 1113. One two-hour period per week. (ACTS-CHEM 1224) As needed.

**CHEM 1113. College Chemistry II.** Prerequisites: CHEM 1013 and CHEM 1011. An introductory course in organic and biochemistry designed to follow CHEM 1013. The second semester of a two-semester General-Organic-Biochemistry (G.O.B.) sequence. Does not count toward a major in chemistry nor as a prerequisite for CHEM 3003 or 4003. Three hours lecture and two hours laboratory per week. (ACTS-CHEM 1224) As needed.

**CHEM 1021. University Chemistry I Lab.** Must be taken concurrently with CHEM 1023. One three-hour period per week. (ACTS-CHEM 1414) Fall, spring.

**CHEM 1023. University Chemistry I.** Prerequisites: Math ACT sub score of 21 or higher (SAT 520) or credit in MATH 1023. One full year (or equivalent) of high school chemistry is strongly recommended. Students who have no high school chemistry are advised to complete CHEM 1013 or equivalent. Theoretical and quantitative principles of inorganic chemistry, including laboratory qualitative and quantitative analysis. 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 CHEM 1011/1013 and 1021/1023 will not be granted for chemistry majors. Three lectures and one three-hour recitation, and one three hour laboratory period per week (see CHEM 1021). CHEM 1023 with a grade of *C* or higher (or consent of the instructor) is a prerequisite to CHEM 1123. (ACTS-CHEM 1414) Fall, spring.

**CHEM 1121. University Chemistry II Lab.** Must be taken concurrently with CHEM 1123. One three-hour period per week. (ACTS-CHEM 1424) Fall, spring.

**CHEM 1123. University Chemistry II.** Prerequisites: Grade of *C* or better in CHEM 1021/1023 or consent of the instructor. A continuation of CHEM 1023 emphasizing basic kinetics, thermodynamics, acid/base theory, and descriptive chemistry of inorganic compounds. Three lectures and one three-hour recitation, and one three hour laboratory period per week (see CHEM 1121). (ACTS-CHEM 1424) Fall, spring.

**CHEM 1131. Chemistry in Society Lab.** Must be taken concurrently with CHEM 1133. One two-hour period per week. (ACTS-CHEM 1004) As needed.

**CHEM 1133. Chemistry in Society.** Prerequisites: Two years of high school algebra or MATH 1023 or higher. Study of chemistry for general education with emphasis of learning chemical principles on a need-to-know basis to address societal-technological issues. Three hours of lecture and two hours of laboratory per week. CHEM 1133 does

not count toward a major in the College of Science and Engineering. Credit for CHEM 1133 and CHEM 1013 or CHEM 1023 will not be given. CHEM 1131 is to be taken concurrently with CHEM 1133. (ACTS-CHEM 1004) As needed.

**CHEM 1501. Background and Strategies in Chemistry (BASIC).** Required of all declared chemistry majors in their first year. This is an orientation course acquainting students with their peers, the chemistry faculty, the various chemistry and biochemistry courses and programs, research opportunities inside and outside the department, and other issues pertinent to students majoring in any aspect of chemistry. Topics will include advising and scheduling, faculty expectations, laboratory safety, current research opportunities, and career planning and networking. The course will include assignments and discussions pertaining to current scientific literature. Fall.

**CHEM 2001. Analytical Chemistry Laboratory.** Must be taken concurrently with CHEM 2012. One four-hour lab period per week. Spring.

**CHEM 2012. Analytical Chemistry.** Prerequisites: Grade of C or better in CHEM 1123/1121. This is a course in fundamental theories and techniques in classical methods of chemical analysis including titration, gravimetry, and equilibria, as well as, error analysis and an introduction to statistics. Two lectures and one four-hour laboratory period per week. Must be taken concurrently with CHEM 2001. Spring.

**CHEM 2173. Forensic Science.** Prerequisites: Two years of high school algebra and a semester of high school chemistry or equivalent. An introduction to forensic investigation. Includes crime scene techniques, firearms, arson and explosives, entomology, blood spatter, pathology, toxicology, anthropology, soils, botany, trace evidence, computer crime, behavioral analysis, courtroom activities and new trends in forensic investigations. As needed.

**CHEM 3001. Organic Chemistry I Lab.** Must be taken concurrently with CHEM 3003. One three-hour period per week. Fall.

**CHEM 3003. Organic Chemistry I.** Prerequisites: CHEM 1121/1123 with a grade of C or better, or consent of the instructor. Classification, nomenclature, properties, structure, spectroscopy, and 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). Fall.

**CHEM 3051. Junior Seminar - Chemistry.** Prerequisites: CHEM 3212/3202 and CHEM 3003. A course designed for science majors. Topics include chemical laboratory safety, interpretation of MSDS, and learning to use scientific reference literature. Students will prepare a paper from multiple literature sources that reviews a scientific topic of chemical significance. Subject material for the paper will be selected under the advisement of the instructor. Fall.

**CHEM 3071. Biochemistry I Lab.** Must be taken concurrently with CHEM 3073. One three-hour period per week. Spring.

**CHEM 3073. Biochemistry I.** Prerequisite: "C" or better in CHEM 3003. Provides a foundation in biochemistry. Topics covered include amino acids, peptides and proteins, behavior of enzymes, lipids and nucleic acids. Spring.

**CHEM 3101. Organic Chemistry II Lab.** Must be taken concurrently with CHEM 3103. One three-hour period per week. Spring.

**CHEM 3103. Organic Chemistry II.** Prerequisites: 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). Spring.

**CHEM 3233. Intermediate Inorganic Chemistry.** Prerequisites: CHEM 3003/3001. Modern inorganic chemistry including chemical bonding, concepts of acids and bases, coordination chemistry, molecular symmetry, and organometallic chemistry. Three hours lecture. Spring, alternate years.

**CHEM 3231. Intermediate Inorganic Chemistry Lab.** Must be taken concurrently with CHEM 3233. Three hour lab. As needed.

**CHEM 3243. Introduction to Toxicology.** Prerequisite: Eight hours of biology, CHEM 3003, and MATH 3043. An introduction to the field of toxicology with an emphasis on the classification of toxic agents, the characteristics of exposure, mechanisms of toxins, and the adverse effects of toxins. Methods and regulatory aspects for conducting toxicity studies will be reviewed. Lecture 3 hours. Same as BIOL 3243. Spring.

**CHEM 3253. Analysis and Identification of Environmental Toxins.** Prerequisite: BIOL 3243. In this course, students will learn about various analytical techniques and instrumentation available to analyze and identify environmental toxins. Students will design protocols to examine toxins. Lecture 3 hours. Same as BIOL 3253. Fall.

**CHEM 3311. Instrumentation I Laboratory.** Prerequisites: Grade of C or better in CHEM 2001 and CHEM 2012. Must be taken concurrently with CHEM 3313. One three-hour period per week. Fall, alternate years.

**CHEM 3313. Instrumentation I.** Prerequisites: Grade of C or better in CHEM 2001 and CHEM 2012. This is an introductory to instrumental techniques including sampling and calibration and their application to instrumental methods of analysis including atomic spectroscopy, molecular spectroscopy, and separations. Three lectures and one three-hour laboratory per week. Must be taken concurrently with CHEM 3051. Fall, alternate years.

**CHEM 3803. Marine Chemistry.** Prerequisites: BIOL 1203/1201, CHEM 1023, CHEM 1123 or permission of instructor. This course or an equivalent may be taken at an affiliate institution and transferred to Southern Arkansas University. Sea water chemistry and cycles and their impact on the marine environment. Lecture three hours. As needed.

**CHEM 4013. Advanced Organic Chemistry.** Prerequisites: CHEM 3101/3103. Organic chemical reactions, mechanisms, and structure/reactivity relationships. Lecture three hours. As needed.

**CHEM 4033. Advanced Inorganic Chemistry.** Prerequisites: CHEM 3233/3231. Detailed study of application of Group Theory, Spectroscopy, Inorganic Catalysis, and application of Organometallic Chemistry. As needed.

**CHEM 4051. Senior Seminar - Chemistry.** Prerequisite: CHEM 3051. This is a course designed for science majors. For students interested in industrial chemistry positions, the course is intended to develop skills for finding employment. For students interested in graduate work in science, the course is intended to develop skills in researching and applying for graduate programs in science. Students will gain experience

both with curriculum vitae and résumé writing as well as the oral presentation of scientific papers from refereed chemical journals. Fall.

**CHEM 4053. Environmental Toxicology.** Prerequisite: CHEM 3243. An introduction to the field of environmental toxicology. The nature of environmental toxic substances and their effects on human health will be reviewed. Case studies related to major environmental contaminants along with risk assessment strategies will be covered. Lecture 3 hours. Same as BIOL 4053. Spring, even years.

**CHEM 4073. Biochemistry II.** Prerequisites: CHEM 3103 and CHEM 3073 with a grade of C or better. Topics covered include protein synthesis, nucleic acid biotechnology, viruses, cancer and immunology, carbohydrate metabolism, lipid metabolism and cellular signaling. Fall.

**CHEM 4163. Environmental Chemistry.** Prerequisite: CHEM 3103, 3202, and 4403. Application of chemical principles and techniques to specific environmental problems, and the chemical interrelationships among these problems. Topics include the chemistry of fossil fuels, new energy sources, energy storage concepts, air pollution, mineral resources, solid waste, water and waste water treatment, pesticides and toxic materials. As needed.

**CHEM 4173. Forensic Chemistry.** Prerequisite: CHEM 3103 and 3202. Survey of chemistry used in criminal investigations. Topics may include detection and identification of drugs, alcohol, toxins, explosives and gun powder residue. Chemical analysis of paint, ink, paper, soil, glass and fibers. Chemical detection of blood and fingerprints. Extracting of DNA from evidence, DNA fingerprinting. As needed.

**CHEM 4183. Ecotoxicology.** Prerequisites: CHEM 3243. An introductory course into the study of ecotoxicology. Students will review the fate and biological effects of selected toxins in ecosystems. Remediation approaches, and methods for identifying and analyzing of toxic agents with ecosystems will be covered. Lecture three hours. Same as BIOL 4183. Spring.

**CHEM 4311. Instrumentation II Laboratory.** Prerequisites: Grade of C or better in CHEM 2001 and CHEM 2012. Must be taken concurrently with CHEM 4313. One three-hour period per week. Fall, odd years.

**CHEM 4313. Instrumentation II.** Prerequisites: Grade of C or better in CHEM 2001 and CHEM 2012. This is an advanced course in instrumentation. Content includes electrochemistry, thermal methods of analysis, fluorescence, and other analytical methods of analysis. Three lectures and one three-hour laboratory per week. Fall, odd years.

**CHEM 4401. Physical Chemistry: Thermodynamics Lab.** Must be taken concurrently with CHEM 4403. Three hours per week. Same as PHYS 4401. Fall, alternate years.

**CHEM 4403. Physical Chemistry: Thermodynamics.** Prerequisites: CHEM 3003 and MATH 1525. A detailed study of the fundamental principles of chemical thermodynamics applied to equilibria, physical states, phase diagrams, electromotive force and solution phenomena. Three hour lecture. Same as PHYS 3023. Fall, alternate years.

**CHEM 4411. Physical Chemistry: Quantum and Kinetics Lab.** Must be taken with CHEM 4413. Spring, alternate years.

**CHEM 4413. Physical Chemistry Quantum and Kinetics Prerequisites:** CHEM 3003 and MATH 1525. A detailed study of reaction kinetics, atomic structure and molecular structure. Spring, 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. As needed.

**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. As needed.

**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. As needed.

**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. As needed.

#### **Chinese (CHIN)**

**CHIN 1003. Mandarin Chinese I.** An introductory course in Mandarin Chinese concentrating on speaking proficiency. Fall.

**CHIN 1013. Mandarin Chinese II.** Prerequisites: CHIN 1003 or consent of instructor. A course in Mandarin Chinese concentrating on speaking proficiency, a continuation of CHIN 1003 Mandarin Chinese I. Spring.

#### **Consortium (CONS)**

**CONS 0001-3. Consortium.** Consortium Registration. This course is for students who will study outside the United States, but need a continuing formal relationship with SAU during the semester. It may be taken multiple times during the same semester and/or in succeeding semesters. Academic credit for the semester will be based upon the transfer of credit from the foreign institution. As needed.

#### **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. (ACTS-CRJU 1023) Fall, spring.

**CRJU 2013. Introduction to Cyber Criminology.** Examination of the various types of cybercrime currently threatening computer users, as well as the characteristics of the offenders and victims. Spring.

**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. Fall, spring.

**CRJU 3013. Police Administration.** Prerequisite: CRJU 2003. The application of principles of administration and management to the field of law enforcement. As needed.

**CRJU 3023. Criminal Evidence and Procedures.** Prerequisite: CRJU 2003 or CRJU 2013. A study of the legal and scientific principles involved in the acquisition, preservation, analysis, and presentation of physical evidence. Spring.

**CRJU 3033. Criminal Investigations.** A study of the fundamentals of criminal investigations: investigative techniques, crime scene concerns, case preparation, and interviewing. Fall.

**CRJU 3043. Criminal Law.** Prerequisite: CRJU 2003. An examination of the administration of criminal law in the investigation, prosecution, adjudication, and sentencing of criminals. Fall.

**CRJU 3053. Juvenile Justice.** An examination of the juvenile justice system and the provisions of Arkansas and federal law pertaining to juveniles. Fall.

**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. As needed.

**CRJU 3073. Corrections.** Prerequisite: CRJU 2003. A study of the historical and contemporary views of offender management and treatment. Fall.

**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. Spring, even years.

**CRJU 3093. Special Topics.** A study of courses of selected criminal justice subjects that do not meet the advanced topics criteria. Fall, spring.

**CRJU 3103. Ethics in Criminal Justice.** This course will focus on ethical conduct and challenges faced by practitioners in various areas of the criminal justice system including courts, corrections, and policing. Special attention will be given to recognizing and analyzing moral behavior, social moral norms, theories, and ethical behavior. Special attention will be given to identifying agency interventions designed to maintain high ethical standards in criminal justice. Spring.

**CRJU 3113. Juvenile Law.** Examine the evolution of the juvenile justice system as well as current practice and procedures in juvenile and family courts. Course will focus on law, jurisdiction, constitution requirements and course rules. Spring.

**CRJU 3123. Juvenile Rehabilitation and Corrections.** This course will teach students how to understand the issues related to juvenile problems while focusing on juvenile protection, rehabilitation, incarceration, and dealing with special need offenders. An overview of the design and legal requirements of juvenile correctional institutions will be emphasized. Spring.

**CRJU 3133. Fraud Examination and Prevention.** Prerequisite: Junior status for accounting and criminal justice majors. The course provides an introduction to the principles of Fraud Examination and Prevention, including the fraud classification system, the nature of fraud, and understanding how to prevent and detect fraud in business entities. Cross-referenced with ACCT 3133. Summer.

**CRJU 3143. Courts.** Provides students a working knowledge of the American court system from the criminal event to disposition. Fall, even years.

**CRJU 3153. Research Methods.** Prerequisite: CRJU 3183. A study of statistical methods, basic experimental procedures and designs, laboratory apparatus, and the treatment of experimental data. Same as PSYC 3153, SOC 3153, and SWK 3153. Spring.

**CRJU 3163. Private Security.** This course is an introduction to industrial and contemporary security practices and programs. Students will study the origins of private security, its impact on our criminal justice system, and the roles of security personnel. As needed.

**CRJU 3183. Statistics.** Prerequisite: MATH 1023 or MATH 1053. Descriptive and elementary analytical statistics, their concepts, and their application. Same as PSYC 3183, SOC 3183, and SWK 3183. Fall, spring, summer.

**CRJU 4003. Domestic Violence.** Examination of the causes, effects and legal aspects of domestic violence. Intervention techniques and prevention programs will also be studied. Same as PSYC, SOC, and SWK 4003. Summer.

**CRJU 4013. Legal and Ethical Issues in Juvenile Justice.** Prerequisite: CRJU 3053. An overview of legal issues and court decisions related to juvenile justice. This course will include an analysis of various issues and surrounding juvenile justice contexts and practices. As needed.

**CRJU 4033. Critical Issues.** Exploration of current and emerging critical issues confronting personnel in the criminal justice system, including civil and criminal liability, elements and types of officer misconduct, women in law enforcement, terrorism, identity theft, and other issues as they appear relevant. As needed.

**CRJU 4043. Gang Behavior.** Provides students with a general overview of gangs in the United States. Fall, odd years.

**CRJU 4053. Criminology.** 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. Spring.

**CRJU 4064. Field Practicum.** Prerequisite: CRJU 3103 with a C or higher. This course is to provide advanced undergraduate students with opportunities to participate in criminal justice settings such as law enforcement, criminal court, correctional institutions, probation and parole, etc., so that they may experience first-hand how that agency operates. The program gives students practical experience by working with and observing trained professionals. Thus, students can combine classroom learning with real situations. The combined experience of the internship and classroom learning experience fills a void in the traditional curriculum for students. Fall, spring.

**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. Fall, alternate years.

**CRJU 4093, 4193. Advanced Topics in Criminal Justice.** The study of advanced topics in criminal justice as chosen by the faculty. Repeatable for credit up to six hours with a different course topic. Fall, spring.

**CRJU 4103. Criminal Justice Internship.** Prerequisite: Senior standing and consent of department chair and instructor. This course provides a structured field placement in a criminal justice agency. Students will be placed as interns with a public agency that they were assigned in the field practicum course (CRJU 4064). Student will be required to complete assignments integrating scholarship with practical experience. Course may not be used to satisfy the 6 hours of criminal justice electives. Fall, spring.

**CRJU 4113. Study of Terrorism.** A broad study of terrorism to include history, motives, support of, defense against and evolution of terrorism. As needed.

**CRJU 4123. Criminal Profiling.** Introduces students to the characteristics of serious criminals and to the proper investigation procedures to solve their crimes. Fall, even years.

**CRJU 4143. Victimology.** An introduction to victimology with special emphasis on family violence, sexual violence, child abuse, homicide, criminal justice system, victim compensation, victim rights and issues. Same as SOC 4143. Fall, odd years.

**CRJU 4903. Senior Integrated Project I.** Prerequisite: Senior standing. Senior Integrated Project I will require each student to study criminal justice aspects of a cybercrime case, independently. In part I, students will define a problem and its scope, simulate or identify relevant scenario(s), and analyze the cyber security aspects of a problem that relates to the study of criminal justice. Same as CSCI 4903. Fall.

**CRJU 4913. Senior Integrated Project II.** Prerequisite: CRJU 4903 or CSCI 4903. In Part II of Senior Integrated Project, students will examine the criminal aspect of the problem that they identified during their Part I study. In this course, students will continue working on findings from their Senior Integrated Project I course, and will examine various aspects of criminal justice, including behavioral studies, socio-psychological factors, legal aspects, and possible deterrents. Same as CSCI 4913. Spring.

#### **Computer Science (CSCI)**

**CSCI 1053. 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, including Microsoft office packaged tools, the current status of medical technology, and future trends. As needed.

**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. As needed.

**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. (ACTS-CPSI 1003) Fall, spring, summer.

**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. (ACTS-CPSI 1003) Fall, spring, summer.

**CSCI 1153. Transition to Computer Science I.** This course will provide an introduction to the organization and operations of computers, and problem solving using



computers. It will also cover the basics of operating systems, computer networking, databases, and various common applications of computers. As required.

**CSCI 2101. Computer Science I Lab.** This course focuses on hands on practices of the programming concepts learned in Computer Science I (CSCI 2103) class. It covers expressions and variables, input/output, control structures (conditionals and loops), arrays/vectors, strings, functions, pointers, structures and files. Fall, spring.

**CSCI 2103. Computer Science I.** Corequisite: CSCI 2101. This course is an introduction to the fundamental concepts of programming including expressions and variables, input/output, control structures (conditionals and loops), arrays/vectors, strings, function, pointers, structures and files. Fall, spring.

**CSCI 2111. Computer Science II Lab.** This course focuses on hands on practice of the object oriented programming concepts learned in Computer Science II (CSCI 2113) class. It covers classes and objects, and data encapsulation, inheritance and polymorphism. Fall, spring.

**CSCI 2113. Computer Science II.** Prerequisite: CSCI 2103. Corequisite: CSCI 2111. This course is a sequel to Computer Science I (CSCI 2103). It introduces the principles and concepts of object-oriented design and programming. The content includes classes and objects, and data encapsulation, inheritance and polymorphism. Fall, spring.

**CSCI 2123. Signals and Systems.** Prerequisite: ENGR 2033. Covers the fundamentals of signal and system analysis, focusing on representations of discrete-time and continuous-time signals (singularity functions, complex exponentials and geometrics, Fourier representations, Laplace and Z transforms, sampling) and representations of linear, time-invariant systems (difference and differential equations, block diagrams, system functions, poles and zeros, convolution, impulse and step responses, frequency responses). Applications are drawn broadly from engineering and physics, including feedback and control, communications, and signal processing. Spring.

**CSCI 2133. Game Development.** Prerequisite: CSCI 2103. This course emphasizes 3D game production and implementation. Students apply advanced 3D game design development principles to create deliverables for 3D games. Students will work with an existing game engine and content pipeline. Additionally, the course will explore the creation and use of different design techniques, key development issues, process management, and professional practices. Spring.

**CSCI 2153. Transition to Computer Science II.** Corequisite: CSCI 1153. This course will introduce basic data structures, and algorithms using pseudocode, and programming language basics. Students will learn implementing mathematical formulas, and solving, sorting, and searching problems. As needed.

**CSCI 3023. Embedded System.** Prerequisite: CSCI 3203. Design an electronic system containing both hardware and software elements. Interface devices to a computer system and integrate hardware and software in the design and application of an embedded computer system. The application will be digital control of dc motor speed, including user interface, motor driver, speed measurement, control algorithms and implementation issues. Practice in written and oral technical communication, development and documentation of an engineering design, and exposure to cross-functional issues including teaming and ethical decision-making. Fall.

**CSCI 3033. Digital Signal Processing.** Prerequisite: CSCI 2123. Vector space methods for signals and systems; least squares design methodologies; design optimization; adaptive filtering; time-frequency techniques. Spring.

**CSCI 3043. Game Studio Workshop.** Prerequisite: CSCI 2133. This course models the workings of a professional game studio, using real-world industry workflows to produce several complete games that the students design themselves. Students will experience the full developmental lifecycle of a game from conception to publication. Taking the roles of programmers, artists, game designers, and producers, students will collaborate as part of a multidisciplinary team, with the goal of learning current industry practices and releasing a polished, high-quality gaming product. Course is repeatable for different games. As needed.

**CSCI 3053. Fundamentals of Game Programming I.** Prerequisites: CSCI 3103 and CSCI 2103. Many computer games are based on physical interactions between game objects e.g. collisions, evasions, pursuit, etc. Design and implementation of these actions is not an easy problem. Concept and character development, storyboarding, prototyping, testing and implementation will be discussed. Students will gain hands-on experience in game programming using a low-level graphical library. Fall.

**CSCI 3063. High Level Language.** Prerequisite: CSCI 2113. 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. Fall.

**CSCI 3073. Fundamentals of Game Programming II.** Prerequisite: CSCI 3053. Students explore beyond the basics of game programming and into advanced programming, architecture, and integration techniques. Topics include working with a production-quality content pipeline, integration of external digital content creation tools, scalability, complex animations, shaders, environment construction, gameplay techniques, controllers, camera theory, and collisions. Spring.

**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. Spring.

**CSCI 3133. Advanced UNIX/LINUX:** Prerequisite: CSCI 2103 or equivalent. This course is intended to teach fundamentals of the UNIX-style operating systems (e.g., BSD, GNU/Linux) to students with a basic understanding of computer logic. It will cover the concepts and tools needed to work effectively in these environments, using both the command line and the X Windows Systems interfaces. This course will be taught using GNU/Linux. Fall, alternate years.

**CSCI 3143. Network Security.** Prerequisite: CSCI 3213. This course introduces various topics of networking security. The course covers basics of computer systems security infrastructure, cryptanalysis, authentication and encryption, operating system security, malicious software and virus detection, buffer overruns, vulnerability analysis, browser vulnerabilities, and virtual private network security. Fall.

**CSCI 3153. Mobile Application Development.** Prerequisite: CSCI 2113. The course introduces an overview of several mobile platforms. It offers an in-depth coverage of the fundamentals of mobile application development. The course presents several concepts such as: layouts, activities, fragments, intents, content providers, animations, and mobile sensing. Spring.

**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. Spring.

**CSCI 3213. Computer Networking.** Prerequisite: CSCI 3103. This course will cover networking from the lowest levels of data transmission and wiring to the highest levels of application software, including how underlying technologies provide services and how the Internet application use those services.

**CSCI 3233. Theory of Computation.** Prerequisite: CSCI 2103. Students will be introduced to finite state machines, regular languages, pushdown automata, context-free languages, Turing machines, undecidability and complexity analysis. Spring.

**CSCI 3403. Artificial Intelligence.** Prerequisite: CSCI 2113. Programming techniques in artificial intelligence, including an introduction to the LISP language. As needed.

**CSCI 3503. Computational Methods for Industrial Technologists.** Prerequisite: IS 1003 or CSCI 1101/1102. Introduces the student to a problem-oriented computer language that is used to solve relevant problems that occur in industry. Fall.

**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. Fall.

**CSCI 3713. Bioinformatics.** Prerequisites: CSCI 1101/1102. This course introduces students to a rapidly growing field that integrates biological data, molecular biology, statistics and computer science. In this course, students will learn the available tools for performing bioinformatics analysis. Same as BIOL 3713. As needed.

**CSCI 3901-3. Special Topics in Computer Science.** Prerequisite: Permission of instructor. Selected topics, not offered through listed courses. Repeatable if the topics are different. As needed.

**CSCI 3913. Virtual Reality Workshop.** Prerequisite: CSCI 2133. Students will learn creating virtual reality games and applications in Unity for Google Cardboard, Oculus Rift, HTC Vive and Samsung Gear. May be repeated for different VR applications.

**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. As needed.

**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. Spring.

**CSCI 4143. Programming Languages and Compilers.** Prerequisites: CSCI 3103, CSCI 3063 or CSCI 3153. 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. Fall, even years.

**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. Fall, odd years.

**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. Fall.

**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. As needed.

**CSCI 4183. VLSI System Design.** Prerequisite: ENGR 3103 and CSCI 4123. Overview of MOS devices and circuits; introduction to integrated circuit fabrication; topological design of data flow and control; interactive graphics layout; circuit simulation; system timing; organizational and architectural considerations; alternative implementation approaches; design project. Spring.

**CSCI 4193. Game Development Senior Project.** Prerequisites: Senior Standing and CSCI 3073. Students will be guided to prepare a project portfolio, which includes the design and implementation of a videogame to demonstrate one's mastery of game design and development. Additionally, students will reflect on decision-making and professionalism in the game industry. Spring.

**CSCI 4203. Data Modeling and Application.** Prerequisite: CSCI 3103. This course is designed for the knowledge about organizing data to obtain required information. The course covers and the design and implementation of database applications, the use of SQL for information storage and retrieval, and techniques for managing the development of database systems.

**CSCI 4213. Privacy Engineering.** Prerequisite: CSCI 3103. This course will cover privacy policies, privacy challenges, privacy compliant system design, privacy auditing. Fall.

**CSCI 4223. Cyber Forensics.** Prerequisite: CSCI 3213. Analysis of computer compromises and forensic discovery. Students will learn different aspects of computer crime and ways in which to uncover, protect and exploit digital evidence. Students will explore different types of data forensic tools, both software and hardware, and use them to perform rudimentary incident analysis and investigation. Fall.

**CSCI 4333 Cyber Defense.** Prerequisite: CSCI 3213. This course will cover prevention, detection/removal of malicious activities in networks, devices and cyber-physical systems, static and dynamic analysis of network traffic and malware, securing sensitive information, encryption, authentication, and graceful degradation under cyber-attack. Fall.

**CSCI 4413. Web Programming.** Prerequisite: CSCI 2113. This course will cover languages that are used in website development. It includes HTML language, JavaScript, Server side programming such as CGI, PERL, VBScripts and PHP will be covered as well. Fall.

**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. Spring.

**CSCI 4903. Senior Integrated Project I.** Prerequisite: Senior standing. Senior Integrated Project I will require each student to study criminal justice aspects of a cybercrime case, independently. In part I, students will define a problem and its scope, simulate or identify relevant scenario(s), and analyze the cyber security aspects of a problem that relates to the study of criminal justice. Same as CRJU 4903. Fall.

**CSCI 4913. Senior Integrated Project II.** Prerequisite: CRJU 4903 or CSCI 4903. In Part II of Senior Integrated Project, students will examine the criminal aspect of the problem that they identified during their Part I study. In this course, students will continue working on findings from their Senior Integrated Project I course, and will examine various aspects of criminal justice, including behavioral studies, socio-psychological factors, legal aspects, and possible deterrents. Same as CRJU 4913. Spring.

**CSCI 4923. Senior Project.** Prerequisite: Senior Standing. Senior project will require each student to study a computer science problem and implement a solution independently. Students will define a problem and its scope with well-defined statement of work, implement a solution, and analyze results. They will apply and further knowledge learned through various coursework. Spring.

#### **Digital Cinema and Media Production (DC)**

**DC 2333. Fundamentals of Digital Cinema.** An introductory course of digital cinema production. Students will learn the fundamentals of visual storytelling using digital video cameras, basic audio recording, and nonlinear editing. Major emphasis will focus on: visual style, composition, mise-en-scene, cinematography, and editing. Spring.

**DC 3333. Intermediate Digital Cinema.** Prerequisite: DC 2333. Scripting, preproduction, cinematography, directing, editing, and using advanced digital cameras. Fall.

#### **Elementary Education (E ED)**

**E ED 2003. Child Growth and Development.** This course examines childhood physical, cognitive, language, social, and emotional growth and development. Fall, spring, summer.

**E ED 3073. Methods of Teaching Mathematics.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. This course is designed to prepare candidates to teach mathematics with an enhanced focus in STEM. Candidates will study the development of concepts and procedures in these content areas: early number concepts and number sense, operations, fractions, measurement, geometric thinking, probability, algebraic reasoning and use this background to create, teach, and reflect on lessons from these content areas as they incorporate them into science, technology, and engineering. Spring.

**E ED 3201. Block I Classroom Observation.** Corequisites: E ED 3213 and E ED 3233. This course includes observation of students in the classroom. Observation will focus on the conceptual framework. Field experience requires eight (8) hours of observation. (Block I) Fall.

**E ED 3211. Emergent Literacy Lab.** Corequisite: E ED 3203. Prerequisite: Admission to Teacher Education. This course includes observation and tutoring of students in K-1 reading classrooms. The course will emphasize reading difficulties including dyslexia and ways to help students struggling with reading. Students will practice giving and scoring various reading assessments. Fall.

**E ED 3203. Emergent Literacy.** Prerequisite: Admission to Teacher Education. Designed to heighten the awareness of the multiple factors involved in the process of becoming literate and promoting 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. Fall.

**E ED 3213. Integrated Curriculum and Methods.** Designed to introduce students to the theory and application of integrated curriculum in classroom settings. It will focus on curriculum areas including music, creative movement, dance, drama, art, child development, and academic curriculums. Candidates will explore child development and its implications for designing, implementing, and evaluating curriculum and instruction in the classroom. Fall, spring, summer.

**E ED 3223. Learning Theory.** Prerequisite: Admission to Teacher Education. This course introduces teacher candidates to research related to learning theories and the practical application of such theories to teaching environments designed for children. Assignments facilitate a student's ability to associate and apply researched-based decision making to effective intentional teaching. Fall.

**E ED 3233. Classroom and Group Management.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Designed to focus on teaching appropriate social skills, motivating students, and generic classroom management principles in an inclusive classroom. An additional focus will involve preventing discipline problems, functional behavioral observation, and confronting and solving discipline problems of all children. Fall, spring.

**E ED 3243. Children's Literature and Social Studies.** Prerequisite: Admission to Teacher Education. Candidates acquire skills in the analysis of specific genres of literature, including multicultural literature, and then use this knowledge to integrate literature within specific social studies content area. Fall, spring.

**E ED 3253. History, Philosophy, and Curriculum.** Prerequisite: Admission to Teacher Education. This course introduces teacher candidates to historical and philosophical foundations including key figures who have influenced the essential ideals and practices of elementary education. Spring, summer.

**E ED 3263. Teaching Reading.** Prerequisite: Admission to Teacher Education. 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. Spring.

**E ED 3273. Methods of Teaching Social Studies.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Candidates will explore best methods for teaching and assessing Social Studies in the Elementary School Classroom. Spring semester.

**E ED 4006. Student Teaching in the Elementary School I.** Prerequisite: Unconditional admission to the Educator Preparation Program. Fifteen week experience. Students may be assigned to the grade level of their program of study, or a combination of grade levels if seeking K-12 licensure. The candidates' culminating experience involves developing and delivering comprehensive unit plans including the associated assessments that provide evidence of their impact on all learners taught within the demonstration units. Fall, spring.

**E ED 4023. Lower Grades Field Experience.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. This course includes

observations, tutoring, and teaching of students in the K-3 classroom. Observation and tutoring will focus on working with the lower elementary student through tutoring of an assigned subject matter with a minimum of 20 hours in the field. A minimum of 10 of the 20 hours must involve tutoring of an assigned elementary student. Fall.

**E ED 4103, 4016. Student Teaching in the Elementary School II.** Prerequisite: Unconditional admission to the Educator Preparation Program. Fifteen week experience. Students may be assigned to the grade level of their program of study, or a combination of grade levels if seeking K-12 licensure. The candidates' culminating experience involves developing and delivering comprehensive unit plans including the associated assessments that provide evidence of their impact on all learners taught within the demonstration units. Fall, spring.

**E ED 4173. Teaching Literacy I.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. An introduction to teaching reading in the elementary classroom. There will be an emphasis on the science of reading as well as the development, assessment, and instruction of individual and small groups of students.

**E ED 4273. Teaching Literacy II.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. This course will focus on literacy acquisition, assessment, and instruction in the K-6 classroom. This course will focus on applying foundational knowledge in the areas of phonological awareness, phonemic awareness, phonics, vocabulary, comprehension, fluency, writing, and assessment.

**E ED 4341. Science for Teachers Lab.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. This is a lab to accompany the STEM Science for Teachers course. Fall.

**E ED 4243 STEM for Elementary Teachers.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Candidates will strengthen their subject matter knowledge in order to be better equipped for teaching the scientific pedagogy for K-6 students (including special needs and ESL learners). Candidates will utilize scientific inquiry along with the 5E model of teaching and the problem-based learning approach to enhance students' critical thinking. Throughout the course candidates will design instruction and utilize scientific technologies to effectively move student thinking toward meaningful understanding of the 1) Disciplinary Core Ideas, 2) Science and Engineering Practices, and 3) Crosscutting Concepts within the realm of Earth, Life, Physical, and Engineering Science. Fall.

**E ED 4303. Upper Grades Field Experience.** Prerequisite: Unconditional admission to the Educator Preparation Program. This course includes observation and teaching of students in the 4<sup>th</sup> through 6<sup>th</sup> grade classrooms. Observations and teaching will focus on an assigned subject area and a minimum of 20 hours will be spent in the field. A minimum of 10 of the 20 hours must involve teaching of an assigned elementary student. Elements of this course are aligned to the conceptual framework and requirements for the professional portfolio. Spring.

**E ED 4323. Families, School, and Communities.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Teacher candidates examine the social, economic, and cultural conditions that influence the relationship between children, families and communities within contemporary society. Fall, summer.

**E ED 4333. Language Arts for Teachers.** Prerequisite: Admission to Teacher Education. Course focuses on the methods and techniques of teaching language arts to

K-6 students. An emphasis will be placed on teaching writing, grammar, speaking, and listening. Fall, spring.

**E ED 4343. STEM Science for Teachers.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. This course is an inquiry style method of teaching STEM concepts that will develop the thinking and problem solving skills pre-service teachers will need to build science understanding and skills for standards that require students to be actively engaged in science and engineering practices. Fall.

**E ED 4353. Social Studies in the Elementary School.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. This course includes information related to teaching Social Studies in the Elementary School Classroom. Content will focus on United States History, Government, and Citizenship; Geography, Anthropology, and Sociology; and World History and Economics. Fall.

**E ED 4374. Advanced Teaching Literacy.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. This course focuses on critical issues of literacy acquisition, assessment and instruction. Special attention will be given to the science of teaching reading and effective concepts, theories, methods, research, evidence-based practices including materials, strategies, and organization to meet the needs of all learners.

#### **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. (ACTS-BUS 1013) As needed.

**ECON 2103. Principles of Microeconomics.** 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. (ACTS-ECON 2203) Fall, spring, summer.

**ECON 2203. Principles of Macroeconomics.** Prerequisite: ECON 2103. An introduction to fundamentals of macroeconomic analysis with an emphasis on country-level production possibilities, international trade, aggregate measures of economic activity, and fiscal and monetary policy analysis. (ACTS-ECON 2103) Fall, spring, summer.

**ECON 3023. Financial Institutions and Markets.** Prerequisite: ECON 2203. This course provides a study of financial institutions, financial markets, and the Federal Reserve System. Emphasis of the course includes regulations of financial markets, Fed operations, financial innovation, and international financial markets. Spring.

**ECON 3093. Managerial Economics.** Prerequisites: ECON 2103 and ECON 2203. 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. Spring.

**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. As needed.



**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. As needed.

**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. Spring.

**ECON 4043. Issues in Environmental Economics.** This course provides an overview of current issues in environmental protection and policy, tradeoffs, and global warming debate. Summer, even years.

**ECON 4153. History of Economic Thought.** This course provides a survey of the development of economic theories through investigation of primary sources. Particular emphasis is placed on comparing and contrasting the differing viewpoints of economic thought, political science, contemporary philosophy, and sociological issues. Same as PSCI 4153 and SOC 4153. Spring, even years.

#### **Education (EDUC)**

**EDUC 0121. Paired Transitional Reading.** Placement will be based on ACT score and/or high school GPA using criteria for college readiness based on SAU's Multiple Measures Placement Plan or an ACT score of 15-20 or other placement with permission of the director of Transitional Studies. A course for select students designed to provide enrichment activities and support to enable the student to be successful in reading-based general education courses. The course must be taken during the same semester as PSYC 2003, HIST 1003, or HIST 2013 as a co-requisite. Must make a C or higher to pass. Credit earned in this course may not be applied to the total credit hours required for a degree. Fall, spring as needed.

**EDUC 0123. Transitional Reading.** Placement will be based on ACT score and/or high school GPA using criteria for college readiness based on SAU's Multiple Measures Placement Plan or an ACT score of 20 and below or other placement with permission of the director of Transitional Studies. A reading course for select students designed to provide enrichment activities and support to enable the student to be successful in reading-based general education courses. The student must make a "C" or higher to pass. Credit earned in this course may not be applied to the total credit hours required for a degree. As needed.

**EDUC 2000. Educational Field Experience, Level I Lab.** Corequisite: EDUC 2003. A supervised field experience to include 10-16 hours of observation. Students are scheduled to observe as many grade levels as possible (K-12) in 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. Fall, spring.

**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. Fall, spring.

**EDUC 2003. Introduction to Education.** Corequisite: EDUC 2000. A survey course designed to help students evaluate the teaching profession as a career choice. Topics include motives for teaching, teacher effectiveness, current trends in education, the job market, global forces affecting education, the history and philosophy of education, ethics

and legal issues, curriculum, social and political forces, and governance and finance. The importance of the research based underlying teaching is central to the course work. Emphasis is placed upon Arkansas requirements for teacher licensure and teacher candidate responsibilities for fulfilling those requirements in a timely manner. A grade of C or higher is required of the student in this course for admission to the Professional Education Program. Fall, spring.

**EDUC 2023. K-12 Education Technology.** This course provides technology-enhanced knowledge, strategies, and resources to support teaching and learning in the K-12 classroom. Students will explore the potential instructional and learning affordances of varied technologies and the ways in which they might be used to promote communication and collaboration and to support authentic learning environments. Fall, spring.

**EDUC 3013. Education Psychology.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. A survey course designed to meet the needs of prospective teachers by bringing an application of psychological principles of learning to the instructional setting. Fall, spring.

**EDUC 3713. Methods and Materials in Foreign Language K-12.** Corequisite: EDUC 4023. Special materials, software, and techniques for the teaching of foreign languages in K-12 schools. As needed.

**EDUC 4003. Student Teaching Seminar.** Prerequisite: Unconditional admission to the Educator Preparation Program. A seminar course to accompany student teaching providing professional development and support. Student Teaching Block. Fall, spring.

**EDUC 4023. K-12 Field Experience II.** Prerequisite: Unconditional admission to the Educator Preparation Program. A planned, supervised pre-student teaching experience in the classroom or appropriate school setting. Forty-eight hours per semester working in the assigned school setting with teaching a minimum of one hour per week. Evidence will be collected to show proficiency in the conceptual framework components. Fall, spring.

**EDUC 4043. Assessment, Evaluation and Measurement.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. An introduction to tests and measurement as applied to education. Emphasis is placed on constructing tests and the selection of various standardized tests. Fall, spring, summer.

**EDUC 4103. Online Progress Monitoring.** Using an online blogging service (e.g. Google's Blogger, Edublogs-Wordpress) students will create a blog through the course to track progress through posts containing personal reflections and pictures. Summer.

**EDUC 4113. Reading Diagnostics.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. This course is a basic course with emphasis on methods and material for teaching reading. Innovative and experimental procedures of teaching will be examined. Current reading programs will be studied. Spring, summer.

**EDUC 4123. Using Podcasts in the Classroom.** Students will explore the use of podcasts for instructional purpose. Using audio recording published on the Internet and played on computers or portable, students will produce a podcast of high-quality content. Summer.

**EDUC 4133. Using SmartBoards in the Classroom.** Using SMART notebook, students will develop an activity to take full advantage of the interactive features offered through SMARTboard. Summer.

**EDUC 4143. Using Videos in the Classroom.** Students will learn how to use online videos, one of the biggest educational resources, to support classroom instruction. As a major course project, students will create a video to post online as a resource for educational content. Summer.

**EDUC 4203. Strategies for Content Area Reading.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. This course will provide education majors with an overview of the instructional strategies for teaching and integrating reading into content areas. Students will develop a conceptual understanding of reading processes and appropriate instructional strategies, which emphasize reading skills necessary for the learning of content area information. Fall, summer.

**EDUC 4273. Classroom and Group Management.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. 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. Fall, spring.

**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. Fall, spring.

**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 0103. English Oral/Aural Communications Skills.** Prerequisite: TOEFL 450-500 or equivalent. Designed for non-native English speaking students (ESL) who need to improve their speaking and listening skills to ensure accuracy and confidence in communications for academic success. As needed.

**ENGL 0113. English Literacy Skills.** Prerequisite: TOEFL 450-500 or equivalent. Designed for non-native English speaking students (ESL) who need to improve their English at an institution of higher education. As needed.

**ENGL 0121. Composition I Lab.** Corequisite: ENGL 1113. ENGL 0121 is required with placement based on SAU's Multiple Measures Placement Plan or an ACT score 15-21 or other placement with permission of the chair of the department of Modern Languages. Must make a C or higher to pass. Credit earned in this course may not be applied to the total credit hours required for a degree. Fall, spring.

**ENGL 0203. Fundamentals of Writing.** ENGL 0203 is required with placement based on ACT score and/or high school GPA using criteria for college readiness based on SAU's Multiple Measures Placement Plan or an ACT score of 14 and below or other placement with permission of the chair of the department of Modern Languages. An intensive study of the fundamentals of written English, attending to grammar, punctuation, spelling, vocabulary, and paragraph and elementary theme development. Must make a C or higher to enroll in ENGL 1113 with required co-requisite lab. Credit

earned in this course may not be applied to the total credit hours required for a degree. Fall, spring semester.

**ENGL 1113. Composition I.** Prerequisite: ENGL 0203 with a C or higher for students with an ACT score of 14 and below in English. Corequisite: ENGL 0121 is required with placement based on ACT score and /or high school GPA using criteria for college readiness based on SAU's Multiple Measures Placement Plan or an ACT score of 15-21 or other placement with permission of the chair of the department of Modern Languages. 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. (ACTS-ENGL 1013) Fall, spring, summer.

**ENGL 1123. Composition II.** Prerequisite: ENGL 1113 with a grade of C or better. 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. (ACTS-ENGL 1023) Fall, spring, summer.

**ENGL 2213. World Literature I.** Prerequisite: ENGL 1123. World masterpieces through the Renaissance. (ACTS-ENGL 2113) Fall, spring, summer.

**ENGL 2223. World Literature II.** Prerequisite: ENGL 1123. World masterpieces from the Renaissance to the modern period. (ACTS-ENGL 2123) Fall, spring, summer.

**ENGL 3003. Advanced Professional Writing.** Prerequisite: ENGL 2213 or ENGL 2223. Some experience or course work in typing and/or word processing equipment (IS 1003 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. Spring, even years.

**ENGL 3023. Technical Writing.** Prerequisite: ENGL 1123. A writing intensive course designed to familiarize engineering and science students with the process of planning, drafting, and revising technical reports, scientific papers, communications and proposals. Multiple writing practice assignments, group work, and exams will be oriented towards refining communication skills in professional discourses. Fall, spring.

**ENGL 3043. Comparative English Grammar.** Prerequisites: ENGL 2213 or ENGL 2223 and junior standing. The traditional, structural, and transformational systems of grammar. Fall, odd years.

**ENGL 3103. Advanced Composition.** Prerequisites: ENGL 2213, ENGL 2223 or PHIL 2403 and junior standing. Extensive practice in writing expository prose. Fall, spring.

**ENGL 3113. Topics in English Studies.** Prerequisites: ENGL 2213 or ENGL 2223. Various topics in English studies, not covered in other courses in the curriculum. May not be repeated for credit. As needed.

**ENGL 3183 Spanish American Literature I.** This course is cross-listed with SPAN 3183. Prerequisite: SPAN 2043 or permission of the instructor. A study of representative

works in prose and poetry from the pre-Columbian period through Hispanic post-modernism. Readings will include indigenous literature of the Mayas, Aztecs, and Incas; the chronicles of Christopher Columbus and Hernan Cortes, and works by later writers such as Sor Juana Ines del la Cruz, Ricardo Palma, Lose Hernandez, and modernist poets Jose Marti, Julian del Casal, Alfonsina Sorni, and Ruben Dario. As needed.

**ENGL 3193 Spanish American Literature II.** This course is cross-listed with SPAN 3193. Prerequisite: SPAN 2043 or permission of the instructor. A continuation of SPAN 3183, covering major literary movements in Latin America from the 1820s to the present. Through the study of poetry and prose, students will be exposed to the social, artistic, and historical aspects of Latin America that these works evoke. The works of such authors a Jorge Luis Borges, Laura Esquivel, Gabriel Garcia-Marquez, Rosario Fere, Alejo Carpentier, Carlos Fuentes, and others will be examined in the course. As needed.

**ENGL 3213. Topics in World Literature.** Prerequisites: ENGL 2213 or ENGL 2223. Various topics in World Literature not covered in other courses in the curriculum. May not be repeated for credit. As needed.

**ENGL 3223. East Asian Literature in Translation.** Prerequisites: ENGL 2213 or ENGL 2223. A survey of literary works representative of East Asian Culture from the classical to contemporary. Readings include poetic, fictional, and non-fictional prose texts in English language translations. As needed.

**ENGL 3243. The Theory and Practice of Writing.** 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 on a one-to-one level. They will write about their readings and their experiences as consultants, learn how to assess the writing skill and needs of writers in a variety of situations, and explore their own understanding of the writing process. Students will also discuss ways of accommodating diverse learning styles and needs, including those of the disabled and of ESL learners. Fall.

**ENGL 3483. Modern World Literature.** Prerequisites: ENGL 2213 or ENGL 2223. A survey of modern world literature from 1945 to the present, concentrating on non-western literature. Fall, odd years.

**ENGL 3583. Shakespeare.** Prerequisites: ENGL 2213 or ENGL 2223. An intensive study of the plays from the Shakespeare canon. Fall, even years.

**ENGL 3623. American Literature I.** Prerequisites: ENGL 2213 or ENGL 2223. American poetry and prose from the colonization of America to 1855. Fall, even years.

**ENGL 3633. American Literature II.** Prerequisites: ENGL 2213 or 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, odd years.

**ENGL 3643. Literary Theory.** Prerequisites: ENGL 2213 or ENGL 2223. An introduction to literary theory providing students with an understanding of the basic approaches by which literature is critically discussed. Fall, odd years.

**ENGL 3653. Introduction to English Language Studies.** Prerequisites: ENGL 2213 or 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. Fall, even years.

**ENGL 3663. Special Topics in Early British Literature (to 1660).** Prerequisites: ENGL 2213 or ENGL 2223. Various topics in British literature prior to 1660 not covered in survey courses. This course may be substituted for ENGL 4623 British Literature I. May not be repeated for credit. As needed.

**ENGL 3673. Special Topics in Later British Literature (since 1660).** Prerequisites: ENGL 2213 or ENGL 2223. Various topics in British literature since 1660 not covered in British literature survey courses. This course may be substituted for ENGL 4663 British Literature II. May not be repeated for credit. As needed.

**ENGL 3683. Young Adult Literature.** Prerequisites: ENGL 2213 or ENGL 2223. The course is required for English education students. Literature for and about the young adult; critical study and evaluation of the genre; examination of modes and themes found in the literature; consideration and application of literary theory; selection of literature for use in school programs. Multicultural young adult literature will be included. Spring, odd years.

**ENGL 3783. American Literature: Topics I.** Prerequisites: ENGL 2213 or ENGL 2223. Various topics in American literature not covered in survey courses. This course may be used to substitute for ENGL 3623 American Literature I or ENGL 3633 American Literature II. May not be repeated for credit. As needed.

**ENGL 4003. Teaching People from Other Cultures.** Students in this course will address many of the cultural issues and questions that exist in the field of TESOL. Students will explore the complex relationships between cultural values, language and language acquisition, nonverbal behavior, and patterns of reasoning. Students will be introduced to difficult questions about the culturally enriching, perplexing, or even destructive role that the teaching of English plays for English language learners. The ultimate goal of the course is to increase students' intercultural awareness and teaching effectiveness and to decrease culture-based misunderstandings in the intercultural classroom. As needed.

**ENGL 4013. Second Language Acquisition.** Prerequisites: ENGL 3653, FREN 3973, or SPAN 3973. Students will examine current theories in this rapidly changing field with the goal of reaching an understanding of the linguistic, psychological, and cultural factors that influence the language acquisition process. Students will first consider the principles of first-language acquisition and how first-language acquisition differs from acquisition of other languages later in life. Spring, odd years.

**ENGL 4023. Second Language Assessment.** Students will develop a theoretical and practical foundation in learner-centered and performance-based approaches to assessment. Students will examine a variety of assessment models and be provided with practical experience in developing reading, writing, speaking, and listening assessments. Fall, even years.

**ENGL 4033. TESOL Methods and Materials.** Prerequisites: ENGL 3043, FREN 3993, or SPAN 3993. Students will focus on the theoretical and practical aspects of teaching English as a Second Language. Students will have an opportunity to learn current teaching approaches in ESL, the dimensions of language proficiency, the connections between language and culture, learning strategies, and the pedagogy of teaching oral and written skills. Students will also develop ways to facilitate language

learning by considering language learning contexts and language learner differences, by designing appropriate language tasks, and by evaluating teaching materials and texts. Spring, even years.

**ENGL 4043. World Creation and Design.** Prerequisite: ENGL 2213 or 2223. The course emphasizes understanding the elements of constructed worlds through the study of eminent created worlds, including those of literature, video games, and film. Students work culminates in the creation of an original world, using any combination of written and/or visual product. As needed.

**ENGL 4283 Survey of French Literature I.** This course is cross-listed with FREN4283. Prerequisite: FREN 2043 or permission of the instructor. The first half of a survey 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. As needed.

**ENGL 4293 Survey of French Literature II.** This course is cross-listed with FREN 4293. Prerequisite: FREN 2043 or permission of the instructor. The second half of a survey 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. As needed.

**ENGL 4503. Creative Writing-Poetry Emphasis.** This upper-division workshop focuses on the study and practice of poetry but will also incorporate practice in other creative writing, particularly creative non-fiction. Course time will include readings and discussion of form and theory, but the course will emphasize the production of original works. As needed.

**ENGL 4513. Creative Writing-Fiction Emphasis.** This upper-division workshop focuses on the study and practice of short fiction but will also incorporate practice in other creative writing, particularly drama. Course time will include readings and discussion of form and theory, but the course will emphasize the production of original works. As needed.

**ENGL 4523. Writing: Special Topics.** Prerequisites: ENGL 2213 or ENGL 2223. Writing Special Topics allows students to hone their writing skills in a variety of creative and rhetorical contexts including creative writing, professional writing, editing, and writing for the web. As needed.

**ENGL 4533. Writing: Special Topics II.** Prerequisites: ENGL 2213 or ENGL 2223. Writing Special Topics II allows students to hone their writing skills in a variety of creative and rhetorical contexts including creative writing, professional writing, editing, and writing for the web. As needed.

**ENGL 4543. Creative Writing-Creative Nonfiction.** Prerequisites: ENGL 2213 or ENGL 2223 or permission of the instructor. An introduction to creative nonfiction, accomplished through the study of literary models, followed by production of original essays and discussion of those pieces in a workshop format. This course is designed to enhance understanding of this genre and its strategies. As needed.

**ENGL 4613. African American Literature.** An overview of the African American literary tradition. A necessarily interdisciplinary approach employs a range of secondary sources, including African American literary theory, to locate the literature within its historical and cultural contexts. Topics include genres such as slave narratives, fiction,

poetry, and/or drama, as well as the critical debates from each stage of the tradition's development. As needed.

**ENGL 4623. British Literature I.** Prerequisites: ENGL 2213 or ENGL 2223. An intensive survey of British literature and literary history from the beginnings to the Neoclassical Period. Fall, odd years.

**ENGL 4633. British Literature II.** Prerequisites: ENGL 2213 or ENGL 2223. An intensive survey of British literature and literary history from the Romantic period to the present. Spring, even years.

**ENGL 4683. Introduction to Francophone Literature.** Cross-referenced with FREN 4683. A survey of major literary works from the French speaking world, including France, Quebec, the Caribbean, Maghreb (Morocco, Tunisia, Algeria), Sub-Saharan Africa, and Mashrek (Lebanon, Iran). Lectures and discussions will be in English. Students taking ENGL 4683 will write papers and journals in English and read works in English translation. Students taking FREN 4683 will write papers and journals in French and read works in French. Students may not receive credit for both ENGL 4683 and FREN 4683. As needed.

**ENGL 4693. Restoration and Eighteenth Century British Literature.** Prerequisites: ENGL 2213 or ENGL 2223. Major British writers from 1660-1778. As needed.

**ENGL 4701. Senior Project.** A graduation experience for all students majoring in English is a capstone experience during the senior year. Students receiving a BA in English (Teaching Certification) will complete an action research project. Credit/No Credit. As needed.

**ENGL 4783. American Literature: Topics II.** Prerequisites: ENGL 2213 or ENGL 2223. Various topics in American literature not covered in survey courses. This course may be used to substitute for ENGL 3623 American Literature I or ENGL 3633 American Literature II. May not be repeated for credit. As needed.

**ENGL 4791-3. English Internship.** Prerequisites: ENGL 2213 or ENGL 2223. A structured and supervised field experience in English language, literature, composition, or other appropriate subject, the course is designed to integrate classroom theory with practical experience in order to enhance professional skills and provide a competitive edge in the job market. The English internship is a variable credit course and may be repeated up to a maximum of three credit hours. As needed.

**ENGL 4813 Spanish Literature I.** This course is cross-listed as SPAN 4813. Prerequisite: SPAN 2043 or permission of the instructor. Representative works of writers such as Cervantes, Garcilaso de l Vega, Fray Luis de Leon, Lope de Vega, Calderon de la Barca, and others. Lectures, discussions, oral and written analyses and a term paper. As needed.

**ENGL 4823 Spanish Literature II.** This course is cross-listed with SPAN 4823. Prerequisite: SPAN 2043 or permission of the instructor. This course will introduce students to the major writers and literary movements of Spain from the 18th through the 20th century. Representative works by writers such as Fray Benito Jeronimo Feijoo, Leandro Fernandez de Moratin, Gustavo Adolfo, Becquer, Miguel de Unamuno, Antonio Machado, Jose Ortega y Gasset, Federico Garcia Lorca, and others will be studied. As needed.



### **Engineering (ENGR)**

**ENGR 1021. Introduction to Engineering Lab.** This course is designed to facilitate student discovery of selected engineering concepts through hands-on projects. The goal of the class is to introduce the student to the following: problem solving, electronics, project management, programming, controls, and team dynamics. Laboratories will focus on engineering ethics, communication, teamwork, and fundamental engineering concepts. Engineering first principles, common to all engineering disciplines, are used in the application, discovery, and explanation and the solution of basic engineering problems and questions. Students will complete several projects in which they will build and program robots and other devices, troubleshoot them, and demonstrate that they have achieved the design objectives. Fall, spring.

**ENGR 1023. Introduction to Engineering.** Prerequisites: Freshman standing or permission of the instructor. This course serves as an introduction to the engineering profession and to its various disciplines. This course is designed to give students the opportunity to learn engineering analysis and solve design problems. Students will develop problem-solving skills, sharpen communication skills, and be exposed to professional development through team building, use of technology tools, and project management. In addition, students will have the opportunity to learn from professional engineers and scientists through case studies and guest speakers. Fall, spring.

**ENGR 1213. Engineering Graphics.** This course is designed to cover the principles of technical graphic expression, the fundamentals and standards of manual drafting, drawing, and sketching, and the application of such fundamentals to computer-aided design and drafting (CAD) using AutoCAD. Fall, spring.

**ENGR 2020. Engineering Exams.** This is a non-credit course. This course will serve as a 3-hour exam period that any faculty in the Department of Engineering and Physics may use to test students. Fall, spring.

**ENGR 2023. Fundamentals of Manufacturing.** Introduction to the basic processes, equipment, and materials used in industry. Includes plastic, metal removal, casting, metal forming, and materials. Fall.

**ENGR 2033. Electrical Circuits I.** Prerequisite: PHYS 2103/2101 or PHYS 2213/2211. The fundamental laws of circuit theory applied to resistive networks, network topology, mesh currents, node voltages, network theorems, and one-terminal and two-terminal pair resistive networks. Time response functions of R-L, R-C, and R-L-C circuits. Same as PHYS 2033. Fall.

**ENGR 2043. Properties of Materials.** Prerequisite: CHEM 1023. This is a course in engineering materials and their applications. The technological uses of metals, ceramics, plastics, and thermal, optical, electrical, and magnetic properties. Material selection in engineering design is emphasized. Spring.

**ENGR 2053. Chemical Engineering Fundamentals.** Prerequisite: CHEM 1123. This course introduces students to foundational concepts in chemical engineering, with the primary focus on material and energy balances. As needed.

**ENGR 2131. Electrical Circuits II Lab.** To be taken concurrently with ENGR 2133. Laboratory three hours. Fall.

**ENGR 2133. Electrical Circuits II.** Prerequisite: ENGR 2033. The study of 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. Fall.

**ENGR 2143. Statics.** Prerequisites: PHYS 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. As needed.

**ENGR 2163. Dynamics.** Prerequisite: ENGR 2143. This course is a continuation course in mechanics, which directs the student toward the use of Newtonian Physics in the solution of dynamically determinate particles and rigid bodies when acted upon by outside forces. The solutions will result in the quantification of absolute and relative motion, force, mass and acceleration, work and energy, impulse and momentum. As needed.

**ENGR 3003. Fluid Mechanics.** Prerequisite: ENGR 2143. This is an introductory course in fluid mechanics, and the course topics will cover properties of fluids, fluid statics, fluid kinematics, the Bernoulli and energy equations, momentum analysis of flow systems, dimensional analysis and modeling, internal fluid flow, and turbo machinery. This course has been designed to build a strong foundation in fluid mechanics in students at the undergraduate level. Fall.

**ENGR 3013. Thermodynamics.** Prerequisite: MATH 1545. This course is an introduction to thermodynamics. The course emphasis is on thermodynamic concepts and their applications to solving engineering problems. Course topics will include basic thermodynamic concepts, general energy analysis, properties of pure substances, the first law of thermodynamics, energy analysis of closed systems, mass and energy analysis of control volumes, the second law of thermodynamics, entropy, the Rankine cycle, and Brayton cycles. Fall.

**ENGR 3023. Heat Transfer.** Prerequisites: ENGR 3003 and ENGR 3013. Corequisite: MATH 3033. This course has been designed to provide a sound foundation in heat transfer at the undergraduate level. Students will learn mechanisms of heat transfer, general conduction equations in three dimension, simplification of the general conduction equation to one dimension or two dimensions, steady state conduction heat transfer, transient conduction heat transfer, use of finite difference method in conduction heat transfer, external forced convection, natural convection, radiation heat transfer, and heat exchanger analysis. Spring.

**ENGR 3043. Mechanics of Materials.** Prerequisite: ENGR 2143. This course directs the student in the basic concepts of stress and strain that result from axial, transverse, and torsional loads in bodies with the elastic range. The student will learn the application of shear and bending movement equations and diagrams; combined stresses; Mohr's circle; beam deflections; and columniations. Fall.

**ENGR 3063 Mass Transfer.** Prerequisite: ENGR 2053. Course covers diffusion in gases, liquids, solids, membranes, and between phases. Effects of reactions on mass transfer. Mass transfer rates by convection and dispersion. Rates of dispersion, rates of combined heat and mass transfer. The course content focuses on the fundamentals of diffusion and mass transfer in fluid (gas and liquid) systems, diffusion, and convective mass transfer. Fall.

**ENGR 3073 Engineering Economics.** Prerequisite: MATH 1525 or MATH 2123 or consent of instructor. Class emphasizes the systematic evaluation of the costs and

benefits associated with proposed technical projects. Students will learn to make decisions regarding money as capital within a technological or engineering environment. Spring.

**ENGR 3083 Numerical Methods in Engineering.** Corequisite: MATH 3033. This course will cover mathematical modeling of engineering systems, accuracy and precision, truncation errors and Taylor series, roots of equations using bracketing methods and open methods, solving linear algebraic equations using Gauss elimination, LU decomposition, and Gauss-Seidel methods. Optimization, curve fitting, numerical differentiation and integration, and solving differential equations numerically will be discussed as well. Spring, even years.

**ENGR 3101. Solid Mechanics Lab.** Corequisite: ENGR 3043. This course provides students with laboratory procedures in the area of engineering mechanics in general. Different experiments related to structural materials and behavior of simple structures will be conducted in this course. The experimental procedures and analysis that will be covered in this course include, but are not limited to, strain, tension, compression, bending, torsion, column, fatigue, and material hardness. Conducting error analysis, doing group work, and writing reports will be part of this course as well. Fall.

**ENGR 3103. Digital Electronics.** Prerequisites: PHYS 2213/2211 or PHYS 2103/2101. A study of the binary, decimal, octal and hexadecimal systems, the different logic gates including AND, OR, NOT, NAND, NOR, XOR, and XNOR gates. Construction of circuits from Boolean and Maxterm Boolean expressions, and study of truth tables and Karnaugh maps. Additional topics include simplification of Boolean expressions and use of De Morgan's theorems, design Encoders, Decoders, Flip-flops, Counters, Shift Registers and Arithmetic circuits. Same as PHYS 3103. As needed.

**ENGR 3143. Manufacturing Processes.** Prerequisites: ENGR 2043 or ITEC 3803. The course covers molding and casting processes, metal forming and sheet metal processes, material removal processes, economic and product design considerations in machining processes, nontraditional machining and thermal cutting processes, heat treatment of metals, the fundamentals of welding, process and production planning and control. The students will be making CNC codes using a CAM software, and become familiar with material handling.

**ENGR 3163. Computer Aided Engineering Analysis.** Prerequisite: ENGR 3043 or ETEC 3033. Corequisite: ENGR 3023 or ETEC 3013. The purpose of this course is to introduce students to stress, and computational fluid dynamics (CFD) analysis using industry standard software. This course will also provide an opportunity for students to learn solid modeling of parts and assemblies beyond the introductory level. Course assignments and individual projects will be the emphasis of this course allowing students to learn practical applications of stress and CFD analysis. Mechanical and Thermal stress analysis of structural systems, machine components, vibration and frequency analysis, heat transfer and fluid flow behavior of fluid systems will be discussed.

**ENGR 3211. Thermal Fluid Science Lab.** Corequisite: ENGR 3023. This course emphasizes the use of fluid mechanics, thermodynamics, and heat transfer principles in design and simulation of thermal-fluid systems. The students will use modern engineering equipment and associated tools in group environment to complete laboratory assignments. They will also learn design of experiments, data collection and analysis, and technical report writing. Spring.

**ENGR 3213. Thermodynamics II.** Prerequisite: ENGR 3013. This course is a continuation course in thermodynamics. Topics will include thermodynamics of mixtures of real gases, chemical reactions, thermodynamic equilibrium, chemical and phase equilibrium. Physical and chemical equilibrium processes are considered in detail. This course is intended for students of chemical engineering. Spring.

**ENGR 3352. Chemical Engineering Lab.** A laboratory course that focuses with selected experiments in fluid flow, separations, heat transfer, and mass transfer. This laboratory provides hands-on experience in applying the concepts and principles learned in chemical engineering courses. The course will allow students to analyze data obtained through the use of scientific inquiry skills. Emphasis will also be placed on technical report writing, statistics, experimental design and safety in the laboratory. Spring, odd years.

**ENGR 4013. Machine Design.** Prerequisite: ENGR 3043. This course provides students with a methodical presentation of the fundamental concepts and principles of machine design. The engineering design of machine components and mechanical systems is presented with an emphasis on fatigue and shock loading. A balanced approach to theoretical material is used with advanced computer software to enhance the learning process. Spring.

**ENGR 4023. Senior Design Project I.** Prerequisite: ENGR 4013 and Senior standing. This course is the first part of a two course sequence designed to provide major design experience that utilizes skills and knowledge earned through a variety of prior courses. Students will be assigned industry level design problems at the beginning of the course, and they will develop realistic, cost effective solutions by going through design phases. In design phases, students will incorporate market and bench mark studies, multiple design constraints, alternative design evaluations, comprehensive analysis and optimization of design solutions, team work, ethics, and engineering standards. As needed.

**ENGR 4033. Instrumentation and Control Systems.** Prerequisite: ENGR 2033. Students will be introduced to basic measurement and control systems. They will become familiarized with sensors and actuators that are used in modern mechatronic systems. Students will also obtain experience in modern data acquisition tools. The course will also focus on control theory including feedback theory, system response (transient and steady state), block diagrams, bode plot, root-locus, and mathematical modeling of mechanical systems. Fall.

**ENGR 4043. Reactor Design.** Prerequisite: ENGR 2053. This content focuses on the subject of chemical reaction engineering and reactor design. Classical reaction kinetics concerning rates, mechanisms, temperature effects and multiple reactions are studied. The concepts of batch, continuous stirred-tank and plug flow reactors are introduced for both ideal and multiple reaction cases. Non-isothermal reactors and non-ideal flow are also considered, and heterogeneous reactors and catalysis will be briefly discussed. Fall.

**ENGR 4123. Senior Design Project II.** Prerequisite: ENGR 4023. This course is the second part of a two-course sequence designed to provide major design experience. Students will prototype design solutions developed in ENGR 4023 by incorporating safety, aesthetics, and manufacturing standards. They will develop test plans, collect data, evaluate the physical performance of prototypes, refine the design solutions, and prepare technical documents to complete the major design experience. As needed.

**ENGR 4153. Heating, Ventilation, & Air Conditioning.** Prerequisites: ENGR 3023 and ENGR 3003. The fundamentals of heating, ventilation, and air conditioning will be covered in this course. The cooling and heating load calculations, psychometric chart, design of HVAC systems, air distribution system, and selection of equipment will be discussed. The ASHRAE standards and related software to the HVAC area will also be introduced in this course.

**ENGR 4173. Chemical Engineering Processes.** Prerequisites: ENGR 3063 and ENGR 4043. This course introduces students to special topics in chemical engineering not fully treated in other courses. Topics may include separation processes, rate processes, electrochemical energy conversion and storage, biotechnology, and environmental engineering. Fall.

**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. As needed.

**ENGR 4883. Chemical Engineering Proficiency.** Prerequisite: Senior standing. The FE exam is a measure of graduate's competency to enter the profession and is a required first step to becoming a licensed professional engineer. Exam covers all aspects of engineering curriculum including Mathematics, Engineering Probability and Statistics, Chemistry, Computers, Ethics and Business Practices, Engineering Economics, Engineering Mechanics (Statics and Dynamics), Strength of Materials, Material Properties, Fluid Mechanics, Electricity and Magnetism, and Thermodynamics. The course will help the student prepare and pass the FE exam. As needed.

**ENGR 4901-4. Applied Project.** Selected applied projects. Requires the students to apply knowledge learned in various courses to the solution of industrial problems. As needed.

**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. As needed.

**ENGR 4913. 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. As needed.

**ENGR 4923. 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. As needed.

**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. As needed.

**ENGR 4992. Engineering Proficiency.** Prerequisite: Senior standing. Students will review engineering concepts learned in other basic courses taken while being in the engineering program with topics related to the FE exam. Arkansas state rules to become an engineering intern and the steps to obtain a PE license will be covered as well. At the

end of the semester, an FE style mock exam will be given. The course will help students to prepare for the FE exam. Fall.

**ENGR 4993. Mechanical Engineering Proficiency.** Prerequisite: Senior standing. This course will help students to prepare for the Fundamentals of Engineering (FE) licensure exam. Students will review engineering concepts learned in other basic courses taken in the engineering program with topics related to the FE exam. Arkansas state rules to become an engineering intern and the steps to obtain a PE license will be covered as well. At the end of the semester, and FE-style mock exam will be given. Fall.

#### **Exercise Science (ESCI)**

**ESCI 3003. Motor Learning and Development.** Prerequisites: Junior standing or consent of instructor. This course examines the development of movement skill in humans from infancy to older adulthood and examines how having different motor, cognitive, and social abilities affects how, when, and why an individual learns motor skills. Fall, spring, summer.

**ESCI 3032. Therapy and Rehabilitation.** This course is designed to provide students with basic knowledge of the current trends and common methods used in therapy and rehabilitation as well as basic techniques and terminology that will help inform students on a career path and prepare them for their internship. Spring, summer on demand.

**ESCI 3043. Nutrition & Human Performance.** Study of the application of principles of nutrition to exercise and sports performance. Importance of nutrition in the training programs of athletes and physically active individuals. Application of nutrition and exercise to diseases of inactivity such as obesity, hypertension, diabetes, CHD, and osteoporosis. Spring. Summer, even years.

**ESCI 4023. Applied Statistics.** Prerequisite: MATH 1023. A critical inquiry into the collection and analysis of data utilizing descriptive and inferential statistics techniques for the purpose of making data informed decisions. Spring, summer.

**ESCI 4033. Trends in Strength and Conditioning.** This course examines the advanced methods and techniques associated with the design of strength and conditioning programs to enhance human performance in sport and fitness. Course includes practical application of various strength training techniques, proper safety techniques, and emerging activities in the field of strength and conditioning. The course is designed to enhance the students' current level of knowledge in preparation for the National Strength and Conditioning Association (NSCA) Certified Strength and Conditioning Specialist (CSCS) certification.

**ESCI 4333. Instrumentation and Physiological Assessment.** An in-depth study of graded exercise testing procedure and equipment instrumentation in the evaluation of functional work capacity. Testing modalities and assessment protocol specifically investigate cardio-respiratory endurance, body composition, muscular fitness, and anaerobic capacity. Fall, spring.

**ESCI 4363. Exercise Prescription and Fitness Program.** Prerequisites: HS 3233 or consent of instructor. 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. Fall, spring.

**ESCI 4652. Exercise Science Practicum I.** Prerequisites: Junior standing in exercise science and consent of practicum supervisor. A course devoted to providing opportunities for the student to gain experience in practical exercise settings such as

cardiac or pulmonary rehabilitation, physical therapy, strength and conditioning, health and wellness. This course will help prepare the student for their internship. Fall, spring.

**ESCI 4676, 4686. Exercise Science Internship I, II.** Prerequisites: Senior standing in exercise science, successful completion of ESCI 4652 and consent of the department chair. This course provides an internship experience for the student in an approved area agency. The experience will be specific to student needs in terms of their professional goals. The ESCI 4676/4686 Internship Handbook provides specific information and requirements for the completion of this course. ESCI 4676 and ESCI 4686 are corequisites and will be taken together as a culminating experience in the student's last semester. Fall, spring, summer.

#### **English as a Second Language (ESL)**

**ESL 0013. Beginning Conversation.** Designed for beginning students needing a thorough, slow-paced presentation of basic functions, grammar structures, and vocabulary. Students practice simple listening and speaking tasks related to contemporary, real-world topics, with attention to beginning level vocabulary, grammar and fluency. Fall, spring.

**ESL 0023. Beginning Grammar.** Designed for beginning students with zero or very low English skills. Students approach mastery of grammar at this level through a balanced integration of listening, speaking, reading and writing exercises, collaborative presentations, and computer-mediated practice. Fall, spring.

**ESL 0033. Beginning Laboratory.** Designed for beginning students with zero or very low English writing skills. Students will acquire new vocabulary and grammar as well as develop their comprehension and speaking skills through the use of vocabulary software, digital podcasts, cartoons, extensive reading, ESL games, and interactive exercises. Fall, spring.

**ESL 0043. Beginning Intensive Reading.** Designed for beginning students with zero or very low English reading skills. In this class, students use a common textbook to build vocabulary skills up to the 300 word frequency level and develop beginning reading skills and strategies. Fall, spring.

**ESL 0053. Beginning Writing.** Designed for beginning students with zero or very low English writing skills. Students learn to write simple sentences. The content focus is on the writing process, simple sentences, mechanics, and vocabulary. Fall, spring.

**ESL 0063. Elementary Conversation.** Aids the elementary student to develop accurate and fluent communication through attention to elementary level vocabulary, grammar and language functions. Students practice simple listening and speaking tasks related to contemporary, real-world topics, with attention to elementary level vocabulary, grammar and fluency. Fall, spring.

**ESL 0073. Elementary Grammar.** Designed for elementary students with low English skills. Students approach mastery of grammar at this level through a balanced integration of listening, speaking, reading and writing exercises, collaborative presentations, and computer-mediated practice. Fall, spring.

**ESL 0083. Elementary Laboratory.** Designed for elementary students with low English skills. Students will acquire new vocabulary and grammar as well as develop their comprehension and speaking skills through the use of vocabulary software, digital podcasts, cartoons, extensive reading, ESL games, and interactive exercises. Fall, spring.

**ESL 0093. Elementary Intensive Reading.** Designed for elementary students with low English reading skills. In this class, students use a common textbook to build vocabulary skills up to the 900 word frequency level and develop elementary reading skills and strategies. Fall, spring.

**ESL 0113. Elementary Writing.** Designed for elementary students with low English writing skills. Students learn to write paragraphs. Content focus is on the writing process, compound sentences, mechanics, and vocabulary. Fall, spring.

**ESL 0123. Pre-Intermediate Conversation.** Aids the pre-intermediate level student to develop accurate and fluent communication through attention to pre-intermediate level vocabulary, grammar and language functions. Students practice listening and speaking tasks related to contemporary, real-world topics, with attention to pre-intermediate level vocabulary, grammar and fluency. Fall, spring.

**ESL 0133. Pre-Intermediate Grammar.** Designed for pre-intermediate level students. Students approach mastery of grammar at this level through a balanced integration of listening, speaking, reading and writing exercises, collaborative presentations, and computer-mediated practice. Fall, spring.

**ESL 0143. Pre-Intermediate Laboratory.** Designed for pre-intermediate level students with average English skills. Students will acquire new vocabulary and grammar as well as develop their comprehension and speaking skills through the use of vocabulary software, digital podcasts, cartoons, extensive reading, ESL games, and interactive exercises. Fall, spring.

**ESL 0153. Pre-Intermediate Intensive Reading.** Designed for pre-intermediate level students with average English reading skills. In this class, students use a common textbook to build vocabulary skills up to the 1,200 word frequency level and develop pre-intermediate reading skills and strategies. Fall, spring.

**ESL 0163. Pre-Intermediate Writing.** Designed for pre-intermediate level students with average English writing skills. Students learn to write multiple paragraphs, with due attention to the writing process, complex sentences, mechanics, and vocabulary. Fall, spring.

**ESL 0173. Intermediate Conversation.** Aids the intermediate level student to develop accurate and fluent communication through attention to intermediate level vocabulary, grammar and language functions. Students practice listening and speaking tasks related to contemporary, real-world topics, with attention to intermediate level vocabulary, grammar and fluency. Fall, spring.

**ESL 0183. Intermediate Grammar.** Designed for intermediate level students. Students approach mastery of grammar at this level through a balanced integration of listening, speaking, reading and writing exercises, collaborative presentations, and computer-mediated practice. Fall, spring.

**ESL 0193. Intermediate Laboratory.** Designed for intermediate level students with fair English skills. Students will acquire new vocabulary and grammar as well as develop their comprehension and speaking skills through the use of vocabulary software, digital podcasts, cartoons, extensive reading, ESL games, and interactive exercises. Fall, spring.

**ESL 0213. Intermediate Intensive Reading.** Designed for intermediate level students with fair English reading skills. In this class, students use a common textbook to build



vocabulary skills up to the 1,500 word frequency level and develop intermediate reading skills and strategies. Fall, spring.

**ESL 0223. Intermediate Writing.** Designed for intermediate level students with fair English writing skills. Students learn to write standard essays, with due attention to rhetorical structures, the writing process, grammar, mechanics, and vocabulary. Fall, spring.

**ESL 0233. Upper-Intermediate Conversation.** Aids the upper-intermediate level student to develop accurate and fluent communication through attention to upper-intermediate level vocabulary, grammar and language functions. Students practice listening and speaking tasks related to contemporary, real-world topics, with attention to upper-intermediate level vocabulary, grammar and fluency. Fall, spring.

**ESL 0243. Upper Intermediate Grammar.** Designed for upper-intermediate level students. Students approach mastery of grammar at this level through a balanced integration of listening, speaking, reading and writing exercises, collaborative presentations, and computer-mediated practice. Fall, spring.

**ESL 0253. Upper-Intermediate Lab.** Designed for upper-intermediate level students with good English skills. Students will acquire new vocabulary and grammar as well as develop their comprehension and speaking skills through the use of vocabulary software, digital podcasts, cartoons, extensive reading, ESL games, and interactive exercises. Fall, spring.

**ESL 0263. Upper-Intermediate Intensive Reading.** Designed for upper-intermediate level students with good English reading skills. In this class, students use a common textbook to build vocabulary skills up to the 2,000 word frequency level and develop upper-intermediate reading skills and strategies. Fall, spring.

**ESL 0273. Upper-Intermediate Writing.** Designed for upper-intermediate level students with good English writing skills. Students learn the requirements of research writing, with due attention to citing properly, the writing process, grammar, mechanics, and vocabulary. Fall, spring.

#### **Engineering Technology (ETEC)**

**ETEC 2003. Applied Statics.** Prerequisites: MATH 2123 or MATH 1525 and PHYS 2003/2001 or PHYS 2203/2201. This course covers the basic principles of statics on particles and on rigid bodies. Equilibrium systems including both forces and moments will be discussed. Truss analysis including joint method and section method will be covered in details. Shear force and bending moment diagram and the relationship among distributed loading, shear force, and bending moment will be discussed. Dry friction, finding area and volume center, and moment of inertia will be also discussed. Fall.

**ETEC 2013. Electric Circuits and Machines.** Prerequisites: MATH 2124 or MATH 1525 and PHYS 2003/2001 or PHYS 2203/2201. This course will cover the basics in electrical circuits and equipment. Fundamentals of direct-current circuits, electric conductors, electric power, electro-magnetic induction, and AC and DC generators and motors will be covered. Electrical instruments and measurements and industrial control will be discussed as well. As needed.

**ETEC 2023. Programmable Logic Controllers.** Prerequisite: ETEC 2013. Following a study of the theory and operational characteristics of programmable control systems used in industry, the student will demonstrate the operation of a programmable controller by writing a program to control on-delay and off-delay timers, test the program for

correct operation, and apply troubleshooting techniques as necessary. Laboratory experience with equipment similar to that use in industry is an integral part of the course. Spring.

**EETEC 2033. Solid Modeling and Design.** Prerequisite: ENGR 1213. Students will learn how to design parts and assemblies using a parametric solid modeling tool. Students will also learn how to generate detailed orthographic and section views from 3D models and use proper annotation on those drawings. Surface modeling, rendering, and animation will also be introduced in this course. Spring.

**EETEC 3002. Applied Mechanics Lab.** Corequisite: EETEC 3033. Prerequisites: EETEC 2003 or ENGR 3043. Students will perform experiments related to materials properties in the area of solid mechanics. Topics will cover strain gauges, tensile testing, compression testing, bending and deflection, torsion testing, buckling of columns, and impact testing. Fall.

**EETEC 3003. Applied Fluid Mechanics.** Prerequisites: EETEC 2003 or ENGR 2143. This course covers the basic principles of statics and dynamics of fluid and fluid flow systems. The properties of fluids, flow measurement devices, Bernoulli's equation, boundary layer theory, concepts of laminar and turbulent flows, Reynolds number, major and minor losses in a pipe flow system, open channel flow, pump characteristics, pump selection and application and concepts of flow measurement devices will be discussed. As needed.

**EETEC 3012. Applied Thermal Science Lab.** Prerequisite: EETEC 3003. Corequisite EETEC 3013. Students will perform experiments related to applied fluid mechanics and applied thermal sciences. Topics will cover heat engine, specific heat, Bernoulli's equation, flow measurement, major and minor losses, impact of a jet, conduction heat transfer, convection heat transfer, finned surfaces, and heat exchanger. Spring.

**EETEC 3013. Applied Thermal Science.** Prerequisites: PHYS 2003/2001 or PHYS 2203/2201. Energy balance of closed system and control volume, First Law and Second Law of thermodynamics, properties of pure substance, Carnot cycle, power cycles, the concepts and different modes of heat transfer including Fourier's Law of Heat Conduction, Newton's Law of Cooling, Stephan Boltzmann's Law, etc. will be covered in this course. Thermal resistance concepts including conduction, convection, and radiation, heat transfer through different types of fins, lumped system analysis, free and forced convection will be discussed in details. Types and selections of different types of heat exchanges will also be covered in this course. Spring.

**EETEC 3023. Computer Aided Design and Analysis.** Prerequisite: EETEC 2033. To predict how a product behaves under a real-life force is the focus of this course. This course will demonstrate how to use finite element methods to calculate stress, strain, and deformation, when a load is applied. 3D modeling, mesh generation, applying material, constraints, and loads will be covered in this course. Students will also learn how to do post processing such as plotting the stress and deformation and obtaining the factor of safety from the analysis. Students will be given several projects to work on. As needed.

**EETEC 3033. Strength of Materials.** Prerequisites: EETEC 2003 or ENGR 2143. Stress-strain diagram, Hook's Law, tension and compression test, axial load and thermal stress, design of beams and shafts, thin-walled pressure vessels, Mohr's circle, shear and moment diagrams of beams and flexure formula, critical loads for the columns and Secant formula will be covered in this course. As needed.

**EETEC 4003. Heating Ventilation and Air Conditioning.** Prerequisites: EETEC 3003 or ENGR 3003 and EETEC 3013 or ENGR 3023. It is a fundamental course in the area of a HVAC system. Energy requirements of a building, indoor air quality, estimating cooling loads, the roles of the psychometric chart in human comfort, air flow through ducts and air distribution, etc. will be covered in this course. Students will be introduced with the American Society of Heating, Refrigerating and Air Conditioning (ASHRAE) standards. Spring.

**EETEC 4013. Senior Design for Technology.** Prerequisite: EETEC 3023. Students will work on projects and apply their learned knowledge from various engineering technology courses. Projects will be assigned to different student groups. Submission of proposals may be required prior to the actual project work. Students will build their teamwork skills through these projects. Technical report and oral presentation maybe required. Fall.

**EETEC 4903. Internship for Technology.** Prerequisite: Junior standing. Students will obtain credit through practical experience in the area of engineering technology usually in their senior level. Fall.

**EETEC 4911-3. Independent Study in Engineering Technology.** Prerequisite: Consent of the department. Experimental, applied, or theoretical investigations in area of current engineering technology research with faculty guidance. Project plan must be presented to department chair for approval. As needed.

**EETEC 4921-3. Independent Study in Engineering Technology.** Prerequisite: Consent of the department. Experimental, applied, or theoretical investigations in area of current engineering technology research with faculty guidance. Project plan must be presented to department chair for approval. As needed.

**EETEC 4931-3, 4941-3, and 4951-3. Advanced Topics in Technology.** Prerequisites: Consent of faculty. Courses devoted to special topics in technology developing from recent trends and/or academic presentation. As needed.

#### **Finance (FIN)**

**FIN 2003. Personal Finance.** This course provides an overview in the management of personal and family finances, including budgeting, consumer buying, personal credit, savings and investment, home ownerships, insurance and retirement. Fall, spring, summer.

**FIN 3003. Financial Management.** Corequisite: ACCT 2103. This course will provide a basic survey of corporate financial management. Principles, tools, and problems in financing business operations. Emphasis is on valuation techniques, capital budgeting, and capital markets. Fall, spring, summer.

**FIN 3013. Risk Management and Insurance.** A study of traditional risk management including property, liability, and personnel-related risks will be covered. The holistic approach of enterprise risk management will be introduced. Specific topics will include financial risk management, insurance market dynamics, loss forecasting, and financial analysis as methods to identify loss exposures within organizations. Students are also introduced to the many varied career opportunities in the risk management and insurance industry. Fall.

**FIN 3023. Financial Institutions and Markets.** Prerequisites: ECON 2203 and FIN 3003. This course is a survey of topics including bank and non-bank financial institutions, money and capital markets, Federal Reserve System operations, financial crises, regulation of financial institutions and markets, and an introduction to the

international financial system. Emphasis is on interlink of financial institutions, financial markets, and financial crises and regulation. Spring.

**FIN 3033. Entrepreneurial Finance.** Prerequisite: FIN 3003. This course introduces the theories, knowledge, and financial tools and techniques an entrepreneur needs to start, build, and eventually harvest a successful venture. The course discusses important issues entrepreneurs face, including how and where to obtain financing, using business cash flow models, alternative solutions to commonly discovered problems, and positioning the early-stage company strategically. Students are expected to conduct case studies on a variety of business types and present on a routine basis. Spring.

**FIN 3053. Investments.** Prerequisite: FIN 3003. This course is an introductory investment course that focuses on practical applications as well as analytical analyses of investment theories. It provides the basic knowledge about financial markets, valuation of investment tools, and different investment strategies. Spring.

**FIN 3083. Fundamentals of Real Estate.** This course explores the basic concepts of real estate ownership, management, and marketing. Additionally, it provides an inquiry into the legal requirements and instruments involved in real estate management. Fall.

**FIN 3983. Business Internship Finance.** Prerequisites: FIN 3003. Junior standing and approval of 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. Fall, spring.

**FIN 4003. Advanced Financial Management.** Prerequisite: FIN 3003. This course covers topics and issues in advanced corporate finance such as financial analysis, capital structure, dividend policy, agency policy, payout policy, and risk management through utilization of financial theory, tools, problems, and cases. Fall.

**FIN 4063. Retirement Planning and Employee Benefits.** Prerequisite: FIN 3003. This course provides individuals with knowledge of both public and private retirement plans. The public plans include social security, Medicare, and Medicaid. The private plans include defined benefit and defined contribution plans and their regulatory provision. The specifics of various qualified plans and non-qualified deferred compensation plans are analyzed. Fall.

**FIN 4073. 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.

**FIN 4103. Advanced Financial Planning.** Prerequisites: FIN 3013, FIN 3053, FIN 4023 and FIN 4063. Corequisite: FIN 4073. A capstone course in financial planning. A comprehensive study of the various areas of financial planning with an emphasis on the integrated financial planning process. Spring.

**FIN 4143. International Finance.** Prerequisite: FIN 3003. Topics to be covered in this course include theories of international trade and finance, foreign exchange rates, international movements of goods and services, international movements of capital and open market macroeconomic policies. As needed.

**FIN 4153. Finance Field Experience.** A faculty guided field experience for finance majors. Students will be exposed to institutions and careers in the field of finance through both regular class meetings and a planned, mandatory travel experience. As needed.

**FIN 4203. CFP® Review.** An in-depth study of specific topics included on the national Certified Financial Planner Examination. As needed.

**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. As needed.

#### **Foreign Language (FL)**

**FL 4001. Study Abroad/Immersion Experience.** Credit/No credit course. Completion of a structured study-abroad or intensive immersion experience. As needed.

**FL 4100. Oral Proficiency Interview.** Credit/No credit. Transcript notation to certify that the student has taken the oral proficiency interview. If the student's score is lower than Advanced/Low, the level required by ACTFL, additional experiences will be provided to increase oral proficiency. As needed.

**FL 4701. Senior Project.** A graduation requirement for all students pursuing a BA in foreign languages is the completion of a senior project as a capstone experience during the senior year. The subject of the project will be relevant to the student's language of emphasis and must be approved by a faculty committee. A faculty advisor will serve as the teacher of record, but the student's overall grade will be determined by the faculty committee. If a student is pursuing a double major or a dual-language option, a single project meets the degree requirements. As needed.

#### **French (FREN)**

**FREN 1053, 1063. Elementary French I, II.** FREN 1063 has the prerequisite FREN 1053 or its equivalent. 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. (ACTS-FREN 1013/FREN 1023) French 1053, Fall; FREN 1063, Spring.

**FREN 2033, 2043. Intermediate French I, II.** Prerequisite for 2033: FREN 1063 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, and discussion of current events as reported in French-language newspapers and magazines. (ACTS-FREN 2013/FREN 2023). FREN 2033, Fall; FREN 2043, Spring.

**FREN 3103. French for Business.** Prerequisite: FREN 2043 or consent of instructor. Introduction to the basic context of the French economy and business world, with emphasis on development of practical French language skills to deal with matters such as commercial correspondence, documents, reports, telecommunications, and conferences. Attention to vocabulary and style specific to French business. Practice in translation on business-related topics. Taught online. As needed.

**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. Spring, even years.

**FREN 3693. French Civilization.** Prerequisites: 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. Fall, even years.

**FREN 3973. Introduction to French Linguistics.** Prerequisites: FREN 2043 or its equivalent. A study of the components and mechanics of the French sentence, with theory and oral/written practice of the following elements of language: general sign theory, phonetics, morphology, syntax, and lexicology. Also includes language acquisition and the history of the French language. Fall, odd years.

**FREN 3981-3. French Internship.** Prerequisites: 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. As needed.

**FREN 3993. Advanced French Grammar.** Prerequisites: 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. Spring, odd years.

**FREN 4283, 4293. Survey of French Literature I, II.** Prerequisites: FREN 2043 or its equivalent. These courses are cross-listed with ENGL 4283,4293. 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. FREN 4283, Fall, odd years; FREN 4293, Spring, even years.

**FREN 4683. Introduction to Francophone Literature.** Cross-referenced course with ENGL 4683. Prerequisite: FREN 2043 or its equivalent. As needed.

**FREN 4903. Special Topics in French Studies.** Prerequisites: FREN 2043 or consent of instructor. Readings and discussions of various topics in French or Francophone life, customs, society, or culture. A specific topic will be announced each time the course is offered. As needed.

#### **General Business (GBUS)**

**GBUS 2003. 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. (ACTS-BLAW 2003) Fall, spring, summer.

**GBUS 2013. Quantitative Analysis I.** Prerequisite: MATH 1023. An introduction to applied quantitative analysis to include measures of central tendency and dispersion, basic probability and distributions, interval estimation, visual representations of data, and basic decision theory. (ACTS-BUS 2103) Fall, spring, summer.

**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, regression analysis, nonparametric procedures, and applied decision analysis using computer-based solutions. Fall, spring, summer.

#### **Geography (GEOG)**

**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. (ACTS-GEOG 1103) Fall, spring, summer.

**GEOG 3043. Human Geography.** This course will provide an introduction to the concepts of human geography. This will involve the study of population trends and migration patterns; cultural, and ethnic differences; economic activity and settlement patterns; and human-environment interactions. Fall, even years.

**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. Fall, even years.

**GEOG 3203. Immigration History Law.** This course surveys the history and geography of American immigration from the era of colonization to the present, the process of immigration and adaptation of immigrants to life in the United States, as well as reaction to immigrants by American born citizens. Course examines how immigrants fit within the larger framework of the American identity and help define what it means to be "American." Fall.

**GEOG 3413. Geography and World Religions.** This course surveys the geography of the distribution, historical and cultural effects of the world religions. It will provide students with opportunities for the study of the spatial variations in religious beliefs with and between countries, how religion develops, spread and impact a culture. This course also combines in a summary the materials related to major issues within religion and how it's rooted in geographical factors. Same as HIST/PHIL 3413. Fall, odd years as needed.

**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. Repeatable for credit up to six hours with a different course topic. As needed.

**GEOG 4013. Asian Geography.** A survey of the geographical, environmental, climatological, and cultural conditions of the countries of South, Southeast and East Asia, and how these various factors affect the lives of the people who live there. Fall, odd years.

#### **Geology (GEOL)**

**GEOL 1001. Physical Geology Lab.** To accompany GEOL 1003. Laboratory two hours. (ACTS-GEOL 1114) Fall.

**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. (ACTS-GEOL 1114) Fall.

**GEOL 3103. Marine Geology.** Prerequisite: BIOL 3843 Oceanography. A study of the ocean basins, with special emphasis being placed on (1) plate tectonics and structure of the ocean basins, (2) geophysical processes responsible for the composition of the ocean basins, and (3) marine sedimentation processes. Modern sedimentological and geophysical investigation techniques will be discussed. As needed.

#### **German (GERM)**

**GERM 1003. Modern German I.** An introductory course in contemporary German concentrating on speaking proficiency. As needed.

**GERM 1013. Modern German II.** Prerequisite: GERM 1003 or permission of the instructor. A course in contemporary German concentrating on speaking proficiency. Continuation of GERM 1003 Modern German I. As needed.

**General Studies (GSTD)**

**GSTD 0101. Promoting Academic Student Success.** (PASS). This course provides students in academic distress a means to examine their transcript, study habits, and long-term academic goals through necessary academic advising and effective decision-making. Mandatory meetings, monitoring, class discussion, and assignments provide an opportunity to examine best practices for consistent and long term academic success. May be repeated. Fall, spring.

**GSTD 1002. Freshman Seminar.** This course provides an overview of the University community and resources, as well as an introduction to skills and strategies – such as time management, study and test-taking strategies – for enhancing academic success. Required in the first regular semester of enrollment of all beginning freshmen and of all transfer students who have fewer than 24 semester credit hours. Fall, spring, summer.

**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. As needed.

**History (HIST)**

**HIST 1003. World History I.** An introductory study of the nature and development of world civilizations to 1700. (ACTS-HIST 1113) Fall, spring, summer.

**HIST 1013. World History II.** An introductory study of the evolution of modern civilizations since 1700. (ACTS-HIST 1123) Fall, spring, summer.

**HIST 2013. U.S. History I.** A general survey of the history of the United States from the beginning of North American colonization through the Civil War and Reconstruction. (ACTS-HIST 2113) Fall, spring, summer.

**HIST 2023. U.S. History II.** A general survey of the history of the United States from the end of Reconstruction to the present. (ACTS-HIST 2123) Fall, spring, summer.

**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. As needed.

**HIST 3093. American Foreign Policy.** A study of foreign policy's constitutional basis in the Executive Branch 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. Spring, even years.

**HIST 3113. Western Thought.** 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. Spring.

**HIST 3123. Russia and the Soviet Union.** A survey of Russian and Soviet history with an emphasis upon the 19th and 20th centuries. Fall, alternate years.

**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. Fall.



**HIST 3143. The North American Indian.** The archaeology, 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 ANTH 3143 and SOC 3143. Spring.

**HIST 3173. Modern South Asia.** A survey of South Asia since the Mughal Empire with emphasis on imperialism, nationalism, independence, and modernization. Spring, even years.

**HIST 3183. African History.** A study of Africa from its ancient history to modern day, including geography, slavery, colonization, trade, and religion. Fall, even years.

**HIST 3203 Immigration History Law.** This course surveys the history and geography of American immigration from the era of colonization to the present, the process of immigration and adaptation of immigrants to life in the United States, as well as reaction to immigrants by American born citizens. Course examines how immigrants fit within the larger framework of the American identity and help define what it means to be "American." Fall.

**HIST 3213. Eastern Thought.** A study of the principal currents of Eastern Thought and Religions with an emphasis on examination of the text of selected philosophers, schools, and beliefs systems. Fall, even years.

**HIST 3243. Modern American Politics.** A study of American political development emphasizing the evolution of governing institutions, national parties, political culture, and interest groups since 1900. Cross referenced with PSCI 3243. Fall, odd years.

**HIST 3303. History and Politics of Modern China.** An in-depth study of the political influences on Chinese history and the consequences of the decisions the nation made in the 19th and 20th centuries. Spring, odd years.

**HIST 3313. History and Politics of Modern Japan.** An in-depth study of the political influences on Japanese history and the consequences of the decisions the nation made in the 19th and 20th centuries. Fall, even years.

**HIST 3413. Geography and World Religion.** This course surveys the geography of the distribution, historical and cultural effects of the world religions. It will provide students with opportunities for the study of the spatial variations in religious beliefs with and between countries, how religion develops, spread and impact a culture. This course also combines in a summary the materials related to major issues within religion and how it's rooted in geographical factors. Same as GEOG/PHIL 3413. Fall, odd years, as needed.

**HIST 3923. The American Presidency.** A study of the American presidency, emphasizing the historical development of the office, the presidential selection process, the roles of the president, presidential-departmental-congressional relationships, and the growth of presidential powers and responsibilities. Cross referenced with PSCI 3923.

**HIST 3933. History and Politics of the Middle East.** A survey of Middle Eastern history with emphasis on the 19th and 20th centuries. Fall, odd years. Same as PSCI 3933. As needed.

**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. Fall, even years.

**HIST 4023. Europe, 1618-1814.** A history of Europe from the Thirty Years War through the French Revolution and the Napoleonic era. Fall, odd years.

**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. Spring, odd years.

**HIST 4083. History of Arkansas.** A survey of the state's history from pre-Columbian times to the present. The course will examine the critical developments which both encouraged and hindered the integration of Arkansas into the nation. Attention will be paid to the persistent political, economic, and social conditions as well as the role of significant figures who challenged the status quo. Fall, spring, summer.

**HIST 4093. African American History.** A study of the life, culture, and historical experience of African Americans within the broad context of American national development. Fall, odd years.

**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 1920s and 1960s. Spring, odd years, as needed.

**HIST 4123. European Travel Studies.** This course offers an examination of the social, cultural, economic, political, and religious movements and the international relationships which have been operative in Europe and which shaped contemporary European civilization. This course will provide students with an opportunity to learn about these topics through field trip study, living history, and museum visits. Students will learn how living history and museum visits can be utilized as academic experience. Spring.

**HIST 4133. History, Culture, and Conflict in East Asia.** This course will take a thematic approach to probe the historical and cultural conditions and the forces that help shape those conditions within East Asian societies. Class themes may change each semester, but may include film as history, gender and sexuality, popular culture, and the Pacific War. Fall, even years.

**HIST 4213. American Social History Before 1900.** A study of popular culture, social culture, social development, and patterns of thought from the colonial era through the 19th century. As needed.

**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. Alternate spring, even years.

**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. Fall, odd years.

**HIST 4353. Senior Paper Research.** Prerequisites: Senior standing and consent of department chair and instructor. Undergraduate research and writing of a senior paper. This course provides a capstone research experience. Although supervised by an instructor, the student researcher is expected to work independently on a comprehensive research paper, requiring extensive investigation and producing original research. This course may not be used to satisfy the requirements of the 36-hour history major. As needed.

**HIST 4363. Women in Europe.** The study of the role of women in European history from the eighteenth century to the present. The course will examine women's lives in the context of political, economic, and social changes. Fall, odd years.

**HIST 4383, 4393. Advanced Topics in World History.** Advanced topics in history as chosen by the faculty. Repeatable for credit up to six hours with a different course topic. As needed.

**HIST 4483, 4493. Advanced Topics in U.S. History.** Advanced topics in history as chosen by the faculty. Repeatable for credit up to six hours with a different course topic. As needed.

**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. Fall, spring.

#### **Honors College (HC)**

**HC 1013. Honors Seminar.** Prerequisite: Admission to the Honors College. Required of all students entering the Honors College within the first two semesters of enrollment. The Honors Seminar is an introduction to the academic experience, the Honors College, critical thinking, diversity issues, and other aspects of the academic life and the academic community. Fall.

**HC 4911-3. Honors College Thesis I.** Prerequisite: Admission to the Honors College, consent of faculty sponsor, and consent of the Honors Director. (1-4 credits). This course is the first semester of a focused and directed effort toward an honor thesis. By the end of this course, the student should have produced either a rough draft of the thesis, polished drafts of a majority of the components of the thesis, several pieces of art, or similar indicators of substantial progress. The student, the sponsor, and the honors director will together determine the number of credit hours and there will be a positive correlation between the number of hours chosen and the magnitude of the thesis. As needed.

**HC 4921-3. Honors College Thesis II.** Prerequisite: Admission to the Honors College, completion of HCTH 4911-3, consent of faculty sponsor, and consent of the Honors Director. (1-4 credits). This course is the second semester of a focused and directed effort toward an honor thesis. By the end of this course, the student should have produced a final draft of the thesis, several pieces of art, or similar indicators of completion. The work must be presented in a public forum either on or off campus. The student, the sponsor, and the honors director will together determine the number of credit hours and there will be a positive correlation between the number of hours chosen and the magnitude of the thesis. They will also determine the venue of the public forum where the work will be presented. As needed.

#### **Health, Kinesiology, and Recreation (HKR)**

**HKR 1113. Methods of Teaching Individual/Dual Activities.** Course required for admittance into the HKR degree program. The course is designed to develop knowledge, techniques, understanding, and skills in appropriate individual or dual sports and activities. Rules/officiating techniques; court/field/equipment requirements; and skills checklist with cues, history, and demonstrated proficiency emphasized. Student-developed notebook is a requirement of the course. Fall, spring.

**HKR 1123. Methods of Teaching Team Activities.** Course required for admittance into the HKR degree program. The course is designed to develop knowledge, techniques, understanding, and skills in appropriate team sports and activities. Rules/officiating techniques; court/field/equipment requirements; and skills checklist with cues, history, and demonstrated proficiency emphasized. Student-developed notebook is a requirement of the course. Fall, spring.

**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. Summer, as needed.

**HKR 2000. Educational Field Experience I Lab.** Prerequisite: Sophomore standing or permission of instructor. Corequisite: HKR 2003. A supervised observational field experience which includes 10 to 12 visits to the public schools. Candidates are scheduled to observe different grade levels and subjects found in the public school setting. The course is hybrid in nature and requires an electronic journal. The observation journal entries will focus on the Conceptual Framework competencies. The journal entries are a significant part of the student's grade for HKR 2003. Candidates are required to provide proof of Praxis Core Academic Skills for Educators test registration or completed Praxis Core Academic Skills for Educators scores as a requirement of this course. A passing grade is required of the student in this course for admission to the Educator Preparation Provider program. Fall, spring.

**HKR 2003. Introduction to Education and Field Experience, Level I.** Prerequisite: Sophomore standing or permission of instructor. Corequisite: HKR 2000. A survey course designed to help students evaluate the teaching profession as a career choice. Topics include motives for teaching, teacher effectiveness, and current trends in education. Emphasis will be on the Conceptual Framework Competencies and high yield research-based strategies. Emphasis is placed upon Arkansas requirements for teacher licensure and teacher candidate responsibilities for fulfilling those requirements in a timely manner. Candidates are required to provide proof of Praxis Core Academic Skills for Educators test registration or completed Praxis Core Academic scores as a requirement of this course. A grade of C or higher is required of the student in the course for admission to the Educator Preparation Provider program. Fall, spring.

**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. As needed.

**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. As needed.

**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. As needed.

**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. As needed.

**HKR 2812. Theory and Fundamentals of Basketball.** 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. Fall, summer.

**HKR 2822. Theory and Fundamentals of Football.** 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. Spring, summer.

**HKR 3111. Supervised Field Experience – Health, Kinesiology, and Recreation.** Prerequisite: Unconditional admission to the Educator Preparation Program. A planned, supervised field experience to include a minimum of ten observational visits and 20 hours in the elementary level classroom or appropriate school setting. Students are scheduled to observe different levels and subjects found in the public school setting. The lab course is hybrid in nature, which will require online and an electronic journal. Emphasis will be placed on organizing content knowledge for student learning, creating an environment for student learning, teaching for student learning, and teacher professionalism. The portfolio/journal entries are a significant part of the student's grade for HKR 3703. Fall.

**HKR 3301. Supervised Field Experience in Health, Kinesiology and Recreation.** Prerequisite: Unconditional admission to the Educator Preparation Program. A planned, supervised field experience to include a minimum of ten observational visits and 20 hours in the secondary level classroom or appropriate school setting. Students are scheduled to observe different levels and subjects found in the public school setting. The lab course is hybrid in nature, which will require online and an electronic journal. Emphasis will be placed on organizing content knowledge for student learning, creating an environment for student learning, teaching for student learning, and teacher professionalism. The portfolio/journal entries are a significant part of the student's grade for HKR 3723. Spring.

**HKR 3302, 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. Fall, spring.

**HKR 3653. Leadership in HKR.** A study of philosophy and fundamental principles of effective leadership in programs for private, public, and institutional settings. Fall.

**HKR 3703. Methods and Materials in Kinesiology for Elementary Schools.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Opportunities for prospective teachers of physical education and health to develop curricular plans for health and physical education programs. Study, observation, discussion of what comprises a well-rounded elementary school health and physical education program. Emphasis will be placed on organizing content knowledge for student learning, creating an environment for student learning, teaching for student learning and teacher professionalism. A minimum of one piece of evidence demonstrating proficiency in Conceptual Framework Dispositions and one piece of evidence demonstrating Conceptual Framework Competencies required for inclusion in the EPP program in LiveText. Fall.

**HKR 3723. Methods and Materials in Kinesiology for Secondary and Middle Schools.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Opportunities for prospective teachers of Physical Education and Health to develop curricular plans for health and physical education programs. Study, observation, and discussion of what comprises a well-rounded secondary school health and physical education program. Emphasis will be placed on organizing content knowledge for student learning, creating an environment for student learning, teaching for student learning and teacher professionalism. Spring.

**HKR 3803. Lifeguarding.** Techniques and methods of teaching swimming and lifeguarding certification. American Red Cross Lifeguarding. Certification upon satisfactory completion of requirements. Fall, spring, odd summer.

**HKR 3832. Theory and Fundamentals of Baseball and Softball.** Theories, strategy, mechanics, and methods of coaching baseball and teaching softball. Fundamentals of batting, fielding, base-running, throwing, and the playing of all positions. History, values, community opportunities, and service organization programs of baseball in American sport life. Fall, summer.

**HKR 3842. Theory and Fundamentals of Track and Field.** 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. Spring.

**HKR 3852. Theory and Fundamentals of Tennis and Volleyball.** Prerequisite: Junior 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. As needed.

**HKR 3882. Theory and Techniques in Rhythm Activities.** Techniques, theories, 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. Spring.

**HKR 4003. Student Teaching Seminar.** Prerequisite: Unconditional admission to the Educator Preparation Program. 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. Must be enrolled concurrently in full block with HKR 4006 and HKR 4103. Fall, spring.

**HKR 4006. Student Teaching in the Secondary School I Field III.** Student Teaching Block. Prerequisite: Unconditional admission to the Educator Preparation Program. 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 14 weeks, full days requirement. Must be enrolled concurrently in full block with HKR 4003 and HKR 4103. A minimum of one piece of evidence demonstrating proficiency in Conceptual Framework Dispositions and one piece of evidence demonstrating Conceptual Framework Competencies required for inclusion in the EPP program. Impact on Student Learning Project in LiveText. Fall, spring.

**HKR 4102. Professionalism and Leadership in HKR.** Prerequisites: Senior standing and consent of instructor. A cumulative approach to making transitions from the academic setting to a professional career in HKR. Portfolios, Praxis series, professional attitudes, appearance, mannerisms as well as job market skills will be stressed. Fall.

**HKR 4103. Student Teaching in the Elementary School Field II.** Prerequisite: Unconditional admission to the Educator Preparation Program. Students may be assigned to any one of the elementary grades. Must be enrolled concurrently in full block with HKR 4003 and HKR 4006. A minimum of one piece of evidence demonstrating proficiency in Conceptual Framework Dispositions and one piece of evidence demonstrating Conceptual Framework Competencies required for inclusion in the Impact on Student Learning Project in LiveText. Fall, spring.

**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. As needed.

**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. As needed.

**HKR 4323. Organization and Administration of Health, Kinesiology, and Recreation.** Prerequisite: Junior standing or consent of instructor. Policies, procedures, and problems in the organization of the total health, kinesiology, and recreation program. Spring, summer.

**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. Spring.

**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. Spring, summer.

**HKR 4923. Measurement and Evaluation in Health, Kinesiology, and Recreation.** Prerequisites: Junior standing or permission of instructor. A critical study of methods and uses of evaluation and measurement techniques in physical and health education and recreation. Spring, Summer.

#### **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. (ACTS-HEAL 1003) Fall, spring, summer.

**HS 2043. Human Anatomy and Physiology.** 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. Fall, spring, summer.

**HS 2413. First Aid & Safety/CPR.** Course in Advanced First Aid, AED and CPR leading to a 2 year certification from the American Red Cross. Fall, spring, summer.

**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. Spring. Summer, alternate years.

**HS 3243. Kinesiology and Biomechanics.** Analysis of the structural/functional aspects of human movement and the study of anatomic, mechanical, and neurophysiological factors influencing human motion. Fall, spring. Summer, alternate years.

**HS 4013. Adapted Kinesiology.** Prerequisites: Junior standing or consent of instructor. A study of adapted kinesiology, a multi-disciplinary approach, consisting of a program of developmental activities, games, sports, rhythms, and aquatics suited to interests, capacities, and limitations of diverse students. Course includes collaboration activities, projects, legal issues, and requires a current background check. Fall, summer.

**HS 4023. Pharmacology in Sports.** Examination of the effects of drug use and abuse on society and the individual including study of drug effects on exercise. Fall.

**HS 4243. Exercise Physiology.** Prerequisites: HS 2043, and junior standing. 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. Fall, spring. Summer, alternate years.

**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. Fall, spring.

**HS 4433. Advanced Athletic Training Techniques.** Prerequisites: HS 2043 and HS 2443, or consent of instructor. 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. Fall.

#### **Humanities (HUM)**

**HUM 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. Fall, spring.

**HUM 2003. Film Appreciation.** Designed for the general student, this course attempts to present film and film marketing as part of our cultural heritage. Course covers basic terms and the characteristics of genres and time periods. Includes familiarization with specific films within a critical context, actors, and producers and film makers, both American and foreign. Fall, spring.

**HUM 3003. Advanced Studies in Film I.** Prerequisites: Junior standing or permission of instructor. Various topics in film studies not covered in other courses of the humanities. As needed.



**HUM 3103. Advanced Studies in Film II.** Prerequisites: Junior standing or permission of instructor. Various topics in film studies not covered in other courses of the humanities. As needed.

**Information Systems (IS)**

**IS 1003. 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. As needed.

**IS 2053. Business Information Systems.** Procedures and concepts of information systems utilizing Windows-based PC application software. The course will also explore the use of data in organizations and society. Fall, spring, summer.

**IS 2103. Object Oriented Programming.** Computer programming fundamentals taught with JAVA. Fall.

**IS 2113. Programming in COBOL.** Introduction to procedural programming languages using COBOL. As needed.

**IS 2203. Introduction to Networking I.** This course will focus on network topologies, basic network design, beginning router configurations, and introduction to LAN switching. (CISCO) Fall.

**IS 2213. Introduction to Networking II.** Prerequisite: IS 2203. This course will focus on advanced router configurations, advanced network design, and advanced network management projects. (CISCO) As needed.

**IS 3003. Website Development for Business and Commerce:** Prerequisite: IS 2053. This course is designed for students interested in the concepts and design of business websites, focusing on Web presence strategies for large and small businesses, key ingredients for successful websites, and Web resources for online commerce. Using a hands-on approach, students will develop a website for an enterprise. Spring.

**IS 3013. Enterprise Information Systems using SAP:** This course provides a comprehensive understanding of Enterprise Information Systems (EIS) focusing on Enterprise Resource Planning (ERP) Systems and the key roles they play in modern organizations. Students will gain an understanding of ERP Systems from both a functional (business process) and implementation perspective using SAP software. Fall.

**IS 3053. Managing Information Systems.** Prerequisite: IS 2053. This is a software solutions course that teaches problem solving using advanced applications. Students will also learn SAP ERP navigation and complete assignments that expose them to SAP modules. Fall, spring, summer.

**IS 3063. Accounting Information Systems.** Prerequisites: ACCT 2103 and IS 2053. Study of theories and procedures of designing and implementing accounting information systems with emphasis on transaction cycles, internal controls, and computerized accounting. Same as ACCT 3063. Spring.

**IS 3103. Advanced Networking I.** Prerequisite: IS 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) As needed.

**IS 3203. Advanced Networking II.** Prerequisite: IS 3103. Build multiplayer switched networks using routing procedures and implement internetworking security and troubleshooting. (CISCO) As needed.

**IS 3313. Advanced Programming.** Prerequisite: IS 2103. Concepts of advanced programming using contemporary business programming languages for seamless integration and customization of business processes. Fall.

**IS 3403. Database Management Systems.** Prerequisite: IS 2103 or three hour programming. Knowledge and skills in relational database design and development. Work will focus on design concepts, data definition, data manipulation, DBMS functions, and application development. Additional topics include database administration and distributed database architectures. Spring.

**IS 3413. Social Media for Business.** This course provides concepts and techniques for retrieving, exploring, and analyzing a social network and social media data. The course will present students with the “how to” maintain a social media presence for business. Fall.

**IS 3983. Business Internship in Information Systems.** Prerequisites: Junior standing and approval of the Internship Committee. A structured field experience relevant to information systems. Each internship is designed to provide a representative and meaningful learning experience for the participating student. Fall, spring.

**IS 3993. Virtual Internship.** Prerequisites: Junior standing and approval of the Internship Committee. A structured field experience relevant to information systems conducted through a virtual partnership with corporate sponsors. Each internship is designed to provide a representative and meaningful learning experience for the participating student. Participants in this program are selected by corporate sponsors. As needed.

**IS 4001-3. Special Topics in Information Systems I.** A course directed toward innovative technological changes and software development in business and industry. Specific topics selected by instructor. As needed.

**IS 4011-3. Special Topics in Information Systems II.** A course directed toward innovative technological changes and software development in business and industry. Specific topics selected by instructor. As needed.

**IS 4213. Systems Analysis and Design.** Prerequisites: IS 2103 and IS 3403. 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 object-oriented analysis and design. Fall.

**IS 4303. Enterprise Information Systems.** Prerequisites: Senior standing, IS 2103, IS 3403, and IS 4213. Senior capstone course for IS majors to study the systems for organizing and controlling information flows within business organizations for effective decision making. Spring.

**IS 4313. Data Visualization.** Prerequisite: IS 2053. This course is all about data visualization, the art and science of turning data into readable graphics. We’ll explore how to design and create data visualizations based on data available and tasks to be

achieved. This process includes data modeling, data processing (such as aggregation and filtering), mapping data attributes to graphical attributes, and strategic visual encoding based on known properties of visual perception as well as the task(s) at hand. Students will also learn to evaluate the effectiveness of visualization designs, and think critically about each design decision, such as choice of color and choice of visual encoding. Students will use Tableau as their main tool to visualize data and develop dashboards, but will develop transferrable skills which can apply to many of the most popular software packages in the current marketplace.

### **Industrial Technology (ITEC)**

**ITEC 2023. Introduction to Industrial Technology.** This course will give students a solid foundation in basic industrial technology. Core topics include market economy and the demand for industrial products, advances in industrial processing, industrial safety, product quality, and work analysis. This course will also address the role and need of the Industrial Technologist in industry.

**ITEC 2032. Industrial Safety.** Principles of industrial accident prevention, accident statistics and costs, appraising safety performance, recognizing industrial hazards, and recommending safeguards. Includes a detailed study of the Occupational Safety and Health Act. Spring semester, even years. Summer, odd years.

**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. As needed.

**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. Spring, even years, as needed.

**ITEC 3023. Production and Inventory Control.** Prerequisite: MATH 3043 or equivalent. Production and inventory control systems including MRP, JIT, and synchronous manufacturing techniques. Fall, odd years.

**ITEC 3043. Work Analysis.** The Study of Motion, Time, and Ergonomics. A study of work standard methods for use in planning and standards, design of work centers using motion economy and ergonomic considerations. Spring semester, even years. Fall, odd years.

**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. Fall, odd years.

**ITEC 3073. Economic Analysis for Technology.** Prerequisite: MATH 1525 or MATH 2123 or consent of instructor. Estimation of costs of materials, labor, capital and return from products and processes, and economic analysis of design alternatives, process optimization, and amortization of capital for equipment cost-benefit analysis. Fall, spring, even years.

**ITEC 3263. Operations Management I.** 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. Spring, odd years. Summer, even years.

**ITEC 3363. Operations Management II.** Prerequisites: ITEC 3263. A continuation of ITEC 3263, Operations Management I. Topics include Just-In Time and Lean Production Systems, Material Requirement Planning, and Supply-Chain Management. As needed.

**ITEC 3503. Computational Methods.** Prerequisites: IS 1003 or CSCI 1101/1102 and MATH 1525 or MATH 2123 or consent of instructor. Introduces the student to a problem-oriented computer language that is used to solve relevant problems that occur in industry, technology and engineering. Fall, spring, even years.

**ITEC 3803. Industrial Materials.** Prerequisites: Junior standing (completion of 60 hours or more). A non-mathematical approach aimed at answering the “why” and “how” questions of material testing as they relate to all types of materials – concrete, wood, metals, and polymers. As needed.

**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. Fall, even years. Summer, odd years.

**ITEC 4043. Advanced Manufacturing Systems.** Prerequisite: Senior standing (completion of 90 hours or more). An emphasis course for industrial technology majors in automation systems including work cells, handling methods, robotics, programming techniques, and computer integrated manufacturing. Fall, even years. Summer, odd years.

**ITEC 4053. Lean Manufacturing.** Prerequisite: ITEC 3363 or instructor approval. This course introduces students to the methods of lean manufacturing to be able to map the manufacturing process and analyzing it for opportunities to reduce waste. Topics include methods of reducing or eliminating waste in the manufacturing process, value stream management, Fast Setup (SMED), plant floor organization (5S), improving equipment uptime (TPM), improving product quality, error proofing a process (Poka-Yoke), work balancing, and cellular layout. Additional advanced topics on automation, just-in-time (JIT), flexible or agile manufacturing, and Kanban will also be covered.

**ITEC 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. Spring, odd years.

**ITEC 4911-3. Independent Study in Engineering Technology.** Prerequisite: Consent of the department. Experimental, applied, or theoretical investigations in area of current industrial technology research with faculty guidance. Project plan must be presented to department chair for approval. As needed.

**ITEC 4921-3. Independent Study in Engineering Technology.** Prerequisite: Consent of the department. Experimental, applied, or theoretical investigations in area of current industrial technology research with faculty guidance. Project plan must be presented to department chair for approval. As needed.

**ITEC 4931-3. Advanced Topics in Industrial Technology.** Prerequisite: Consent of instructor. Courses devoted to special topics in industrial technology developing from recent trends and/or academic presentation. As needed.

**ITEC 4941-3. Advanced Topics in Industrial Technology.** Prerequisite: Consent of instructor. Courses devoted to Special topics in industrial technology developing from recent trends and/or academic presentation. As needed.

**ITEC 4951-3. Advanced Topics in Industrial Technology.** Prerequisite: Consent of instructor. Courses devoted to special topics in industrial technology developing from recent trends and/or academic presentation. As needed.

#### **Mathematics (MATH)**

**MATH 0021. College Algebra Lab.** Prerequisite: Students must meet the prerequisite requirements for College Algebra. Corequisite: MATH 1023. Placement will be based on ACT score and/or high school GPA using criteria for college readiness based on SAU's Multiple Measures Placement Plan or an ACT score of 19-21 or other placement with the permission of the director of Transitional Studies. A student who fails is only required to retake this course if the student fails MATH 1023. If the lab is required by placement policies, a student cannot drop MATH 0021 unless the student is dropping MATH 1023, the corequisite course. Concurrent credit students are not required to take MATH 0021. Must make a C or higher to pass. Credit earned in this course may not be applied to the total credit hours required for a degree. Fall, spring.

**MATH 0051. Mathematical Literacy Lab.** Co-requisite: MATH 1053. This is the support course for the credit-bearing course MATH 1053. Placement will be based on ACT math score and/or high school GPA using criteria for college readiness based on SAU's Multiple Measures Placement Plan or an ACT score of 17 and below or other placement with permission of the director of Transitional Studies. Must make a C or higher to pass. Credit earned in the course may not be applied to the total credit hours required for a degree. Fall, spring.

**MATH 0123. Transitional Mathematics.** Placement will be based on ACT math score and/or GPA using criteria for college readiness based on SAU's Multiple Measures Placement Plan or an SCT score of 17 and below or other placement with permission of the director of Transitional Studies. A review of pre-algebra; the real number system; equations; inequalities; graphs of linear equations and inequalities; exponents and polynomials; factoring and applications. Must make a C or higher to pass. Credit earned in the course may not be applied to the total credit hours required for a degree. Fall, spring.

**MATH 0703. Intermediate Algebra.** Prerequisite: MATH 0123 with a C or higher with an ACT score of 17 and below. Placement will be based on ACT math score and/or high school GPA using criteria for college readiness based on SAU's Multiple Measures Placement Plan or an ACT score of 18 or other placement with permission of the director of Transitional Studies. A course to prepare a student for success in College Algebra (MATH 1023). Must make a C or higher to pass. Credit earned in the course may not be applied to the total credit hours required for a degree. Fall, spring.

**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. As needed.

**MATH 1023. College Algebra.** Prerequisite: ACT math score of 22 or higher; high school Algebra II or MATH 0703 with a C or higher required for students with an ACT score of 18 or below. Corequisite: MATH 0021 is required with placement based on ACT score and/or high school GPA using criteria for college readiness based on SAU's

Multiple Measures Placement Plan or an ACT score of 19-21 or other placement with permission of the director of Transitional Studies. Students can enroll in the online section if the corequisite lab (MATH 0021) is not required based on ACT scores and/or high school GPA. A study of quadratic equations and inequalities, additional graphs of functions and relations, systems of linear equations, inverse functions, exponential and logarithmic functions, polynomial and rational functions. (ACTS-MATH 1103) Fall, spring.

**MATH 1033. Plane Trigonometry.** Prerequisite: MATH 1023 with a grade of C or higher. A study of triangles, radian measure, polar coordinates, trigonometric functions and their related graphs, formulae, and identities. (ACTS-MATH 1203) Fall, spring.

**MATH 1045. Pre-Calculus Mathematics.** Prerequisite: ACT math score of 24 or higher, or approval of chair of the Department of Mathematics and Computer Science. A study of quadratic, polynomial, rational, exponential, logarithmic, and trigonometric functions, their graphs and inverses as well as systems of equations and inequalities, determinants, 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. (ACTS-MATH 1305) Fall.

**MATH 1053. Mathematical Literacy.** Math ACT score of 18 or higher or Compass score of 36. Co-requisite: MATH 0051 is required with placement based on ACT math score and/or high school GPA using criteria for college readiness based on SAU's Multiple Measures Placement Plan or an ACT score of 17 and below or other placement with permission of the director of Transitional Studies. This course introduces various math topics to provide students with an approach to problem solving through mathematical logic and reasoning. The course will identify, analyze, generalize, communicate quantitative relationships, and introduce the fundamental notation and rules of a mathematical system as well as construct and interpret visual representations of mathematical relationships. Literacy topics include math quantitative analysis for students completing the general education program. (ACTS-MATH 1113) Fall, spring, summer.

**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. As needed.

**MATH 1525 Calculus I.** Prerequisites: ACT math score of 28 or higher, or MATH 1023 and MATH 1033, or MATH 1045 or equivalent, or passing score on calculus placement exam, or approval of chair of the Department of Mathematics and Computer Science. The differential and integral calculus of functions of one variable with applications, and topics from plane analytic geometry. (ACTS-MATH 2405) Fall, spring.

**MATH 1545. Calculus II.** Prerequisites: MATH 1525. A continuation of the differential and integral calculus of functions of one variable with applications, and topics from plane analytic geometry. (ACTS-MATH 2505) Fall, spring.

**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. Spring.

**MATH 2053. Math for Teachers I.** Prerequisites: MATH 1023 or MATH 1053 or MATH 1045 or MATH 1525. A study of numeration systems and the structure of arithmetic with an emphasis on problem solving for the classroom teacher. Fall, spring summer.

**MATH 2063. Math for Teachers II.** Prerequisites: MATH 1023 or MATH 1053 or MATH 1045 or MATH 1525. A study of rational numbers, geometry, measurement, and statistics for the classroom teacher. Fall, spring, summer.

**MATH 2123. Applied Calculus for Technology.** Prerequisites: MATH 1033 or equivalent. Methods of formulation and solution of special problems encountered in industry and technology using advanced techniques. As needed.

**MATH 2124. Applied Calculus.** Prerequisites: ACT math score of 26 or higher, or MATH 1023 and MATH 1033, or MATH 1045 or equivalent, or passing score on calculus placement exam, or approval of chair of Department of Mathematics and Computer Science. Topics covered in applied calculus include the study of functions of one variable, curves in planar geometry, and certain characteristics of these functions and curves using techniques from calculus. Furthermore, the behaviors of limits, continuity, derivatives, and integrals of function along with vector analysis in three dimensional space with an emphasis on real world applications will be covered.

**MATH 2563. Calculus III.** Prerequisite: MATH 1545 or equivalent. Techniques of integration, solid analytic geometry with vectors, calculus of functions of several variables, and series. (ACTS-MATH 2603) Fall.

**MATH 2753. Linear Algebra.** Prerequisite: MATH 1545 or MATH 2124. A study of linear vector spaces. Includes linear mappings and matrix representations, bases and orthonormality, and Eigen values and Eigen vectors. Applications to systems of linear equations, linear operators, and geometry. Fall, spring.

**MATH 3033. Differential Equations.** Prerequisite: MATH 1545. 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. Spring.

**MATH 3043. Applied Probability and Statistics I.** Prerequisites: MATH 1023. Introduction to descriptive statistics, probability, binomial and normal distributions, hypothesis testing, correlation, and regression. Does not count toward any degree in mathematics. May not be substituted for MATH 4073. Spring.

**MATH 3053. Methods of Teaching Mathematics Pre K-4.** Prerequisites: MATH 2053 and MATH 2063. This course is designed to prepare candidates to teach mathematics in grades P-4. Topics include developing understanding in mathematics, teaching through problem solving, assessment, planning, equity in mathematics education, and using technology effectively. Candidates will study the development of concepts and procedures in these content areas: early number concepts and number sense, operations, fractions, measurement, geometric thinking, probability, algebraic reasoning and use this background to create, teach, and reflect on lessons from these content areas. As needed.

**MATH 3063. Abstract Algebra.** Prerequisite: MATH 2753. An introductory course in abstract algebra consisting of number theory, integral domains, equivalence and congruence, groups, rings, ideals, and elementary matrix theory. Spring.

**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. Fall.

**MATH 3143. Applied Probability and Statistics II.** Prerequisite: MATH 3043. A continuation of MATH 3043 Applied Probability and Statistics I with an emphasis on multivariate inferential techniques. Extensive use of technological platforms such as SPSS, Excel, and the TI-84 calculator will be brought to bear on real world applications involving multivariable descriptive statistics, independent and correlated two group t testing, one-way randomized and repeated measures ANOVA, two-way randomized ANOVA, calculating Pearson Product-Moment Correlation Coefficients, multiple regression analysis, Chi-square testing, and non-parametric testing.

**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. Fall.

**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. Spring, odd years.

**MATH 4033. Introduction to Complex Variables.** Prerequisite: MATH 2753. An introductory course in complex variable theory with applications. Spring, even years.

**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. Fall, even years.

**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, hands-on materials, cooperative learning techniques, and technology. Topics include number sense and number theory, functions, probability and statistics, geometry, and measurement. Spring, odd years.

**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. Fall.

**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. Fall, even years.



**MATH 4233. Data Science.** Prerequisite: MATH 3043. Being a data scientist requires an integrated skill set spanning mathematics, statistics, machine learning, and data visualization. This course will introduce students to this rapidly growing field and equip them with the basic principles and tools. Students will learn concepts, techniques, and tools they need to deal with various aspects of data science, including statistical analysis, exploratory data analysis, predictive modeling, and data visualization. As needed.

**MATH 4293. Math for Middle Level Teachers.** Prerequisite: MATH 1023. 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. As needed.

**MATH 4393. Geometry for 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. Spring semester, even years.

**MATH 4601-3. Workshop in Mathematics Education.** Restricted to BSE students. Minimum of three hours laboratory required for one hour credit up to a maximum of three hours. As needed.

**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. Course may be repeated for credit up to six hours with approval of the instructor. As needed.

**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. As needed.

#### **Mass Communication (MCOM)**

**MCOM 1003. Introduction to Mass Communication.** Development of communication media in American society, including newspapers, magazines, radio, television, and movies. Emphasis on social, political, and economic interaction of media and society. Fall.

**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. As needed.

**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. As needed.

**MCOM 2123. Graphic Software Applications.** Introduction to computer terminology, file management, network applications, and graphics applications in both PC and Mac environments. Emphasis on instruction using Adobe Photoshop and Adobe Illustrator software programs. Same as ART 2123. Fall.

**MCOM 2133. Basic Digital Photography.** The course will focus on the taking of photographs and the enhancement and printing of photographs from within a digital environment. Topics include terminology/technology, lighting, composition, depth of field, exposure, shutter speeds, lenses, digital file storage, and management and

electronic viewing. Student must furnish own digital camera, preferably with manual adjustments for focus, aperture and shutter. Same as ART 2133. Fall, summer.

**MCOM 2503. Visual Communication.** Presents the theories of perception, methods of analysis of visual media, the principles and strategies of visual communication emphasizing critical thinking about the role and function of media in society. Fall.

**MCOM 3043. Directed Study I.** This course will be individually designed to meet the needs of student's concentration in mass communication. As needed.

**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. As needed.

**MCOM 3053. Directed Study II.** This course will be individually designed to meet the needs of student's concentration in mass communication. As needed.

**MCOM 3363. Advanced Digital Photography.** Open to all majors who desire concentrated exploration in digital photography 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. Six studio hours – classroom and on location. Periodical progress reviews will be established. Fall, alternate years.

**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 news media. Spring.

**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. As needed.

#### **Mass Media (MM)**

**MM 2003. Reporting and Writing for the Mass Media.** Prerequisites: MCOM 1003 or permission, ENGL 1113, and keyboarding ability. Fundamentals for news reporting for print and electronic media. News values, journalism style/grammar, information gathering, and news writing. Fall.

**MM 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. Fall, odd years.

**MM 3123. Internet Communication.** This course looks at the obvious and not so obvious ways that people, organizations, politicians, governments, and others utilize the Internet for communication and commerce. Spring, odd years.

**MM 3133. Media and Politics.** This course analyzes the decline of traditional media outlets, and the development of new networks, cable outlets, chat-rooms, bloggers, talk radio, Internet sites, and how the media reports politics, how people get political information, and how politicians, political parties, and political organizations use the media to communicate, fund raise, and attempt to influence public opinion. The course will look at American and international politics and media outlets. Fall, even years.

**MM 3223. Trends in Modern Media.** This course will examine current trends and changes in the media and how they will impact its future. Discussions will include the

major changes and issues affecting print, broadcast, and cable media, as well as online media. Spring, odd years.

**MM 3503. Directed Study in Mass Media I.** This course will be individually designed to meet the needs of students concentrating in mass media. Spring, odd years.

**MM 3603. Directed Study in Mass Media II.** This course will be individually designed to meet the needs of students concentrating in mass media. Spring, even years.

**MM 4013. Publicity, Media, and Campaigns.** Prerequisite: MM 3103. Concepts and case studies of public relations campaigns, and utilizing public media to achieve motivation of audiences. Materials and tools for publicity, planning, executing, and evaluating publicity campaigns are presented. (Students enrolled are not allowed to receive financial compensation for work performed for campus media in meeting course requirements.) Spring, odd years.

**MM 4103. International Public Relations.** Prerequisites: MM 3103. International public relations is a study of theories, advanced concepts, methods, principles and best practices of public relations as applied to international corporations, small businesses expanding into new markets, international non-profit organizations and local and foreign governments looking to attract business into an area. Spring, even years.

**MM 4123. International Mass Media.** This course looks at issues concerning global journalism, international mass media outlets, and the flow of information through traditional outlets as well as the Internet. The course will also look at the influence of international media outlets, privatization and government control of media outlets, the impact of emerging media outlets in developing countries as well as the commercialization of media outlets. Fall, odd years.

**MM 4133. Foreign Language Media in America.** Focuses on the rise of foreign language (including Spanish, Arabic, Chinese, Korean, Russian and others) media and outlets in America. The course will look at print, satellite, cable, broadcast, and Internet outlets marketed to immigrants, and originating in and out of America. The course will also look at how these emerging markets are used by corporations, politicians, and governments. Fall, even years.

**MM 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. Fall, spring semester. Summer as needed.

**MM 4913. Mass Media Internship.** Prerequisites: Completion of 12 hours of upper-level class courses, senior standing, a minimum grade point average of 2.50 or higher, and permission of chair. Structured professional experience in a commercial or non-profit mass media area – newspaper, broadcast, cable, Internet, public relations or other mass media areas. Must be arranged in advance. Fall, spring. Summer, as needed.

#### **Multicultural Studies (MCUL)**

**MCUL 4993. Hispanic Life and Culture.** Offered concurrently with SPAN 4993. 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. 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. As needed.

**Management (MGMT)**

**MGMT 2003. Business Communications.** ENGL 1113, ENGL 1123 and IS 2053 (Students may enroll in IS 2053 concurrently.) This course examines the principles of effective oral and written communications. The course provides practice in effective business writing, including letters, memos, resumes and reports, which are supported by proper research and documentation techniques. This course provides practice in effective oral presentations; and enhances interpersonal communications skills. Fall, spring, summer.

**MGMT 3023. Organizational Theory and Behavior.** A study of organizational theory and human behavior in business organizations. An interdisciplinary analysis of relations of individuals and groups within the organization with special attention paid to management leadership responsibilities. Students are taught to consider the impact of dynamic forces like globalization and technology on the organization. Fall, spring, summer.

**MGMT 3073. Professional Communication Strategies.** Prerequisite: MGMT 2003. The course focuses on effective written and oral communication skills applicable in diverse professional settings. The course includes practice writing and presenting professional reports that are used as tools of management. The course addresses ethical decision-making and looks at how new technologies are changing the way people in business communicate. Fall, spring, summer.

**MGMT 3083. Leadership and Ethics.** A study of philosophical models and practical techniques for leading an organization and for dealing with the types of ethical issues business leaders are likely to encounter in domestic and international environments. The course combines a study of relevant theory in each area with application-based exercises. Spring.

**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. Fall, spring.

**MGMT 4023. Entrepreneurship.** This course introduces foundational ideas and terms in entrepreneurship and innovation, with attention to developing students' entrepreneurial mindset while cultivating the life skill of entrepreneurial thought and action. Using lectures, cases, and practice-based activities students will be familiarized with the tools necessary to cultivate a business in a diverse, global environment. Fall semester.

**MGMT 4043. International Business.** Prerequisites: ECON 2203 and MGMT 3023. 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. Fall, spring, summer.

**MGMT 4053. Human Resources Management.** Prerequisite: MGMT 3023. The principles, methods, and procedures related to the effective utilization of human resources in organizations. HRM focuses on the recruitment, selection, training, and retention of a workforce that is qualified to solve tomorrow's problems, be they technological, global, ethical or motivational. Spring.

**MGMT 4063. Production and Operations Management.** Prerequisite: GBUS 3183 and IS 3053. The management and analysis of operations, including such topics as productivity, quality, enterprise resource planning, inventory management, supply chain management, lean operations, and selected areas of operations research. Computer based solutions will be used when applicable. Fall, spring, summer.

**MGMT 4073. Supply Chain Management.** A senior level course for marketing and management majors. The course reflects the importance of supply chains and channels of distribution in today's business environment. Spring.

**MGMT 4093. Management Strategy and Policy.** Prerequisites: FIN 3003, GBUS 2003, GBUS 3183, MGMT 3023, MKTG 3033, and senior standing. A framework for diagnosis and analysis that enables the student to confront the problems and opportunities of complex business environments from the viewpoint of the policy makers. Technical, global, social, ethical, political, and legal aspects are all considered. A unique combination of text, readings, cases, and integrated simulation to develop the student's ability to make decisions. Fall, spring, summer.

**MGMT 4103. Total Quality Management.** Prerequisites: MGMT 3023, GBUS 3183, and 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.

**MGMT 4203. Guided Senior Experience for Entrepreneurs.** Prerequisites: Senior standing in the entrepreneurship program, MGMT 4023, and FIN 3033. A guided senior project in entrepreneurship to be completed under the supervision of an instructor. The project could include the development and implementation of an online business, the completion of a detailed business plan, or possible combinations. Fall, spring.

**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. As needed.

**MGMT 4313. International Studies and Field Experience.** Prerequisite: Admission to the College 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. As needed.

#### **Marketing (MKTG)**

**MKTG 3033. Principles of Marketing.** A study of the process of using data analysis technology, communication, and cognitive skills to plan and execute the conception, pricing, promotion, and distribution of ideas, goods, and services to create exchanges that satisfy individual and organizational objectives. Fall, spring, summer.

**MKTG 3063. Consumer Behavior.** Prerequisite: MKTG 3033. A study of the use of data analytics and cognitive decision making skills to examine the buying habits and preferences of consumers in order to explain and predict consumers' market behavior, movements, and attitudes with implications for marketing management policies relevant to current market conditions. Fall.

**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. Spring.

**MKTG 3413. Social Media for Business.** This course provides concepts and techniques for retrieving, exploring, and analyzing a social network and social media data. The course will present students with the “how to” maintain a social media presence for business. Fall.

**MKTG 3983. 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. Fall, spring.

**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, using traditional and emerging technologies. Fall.

**MKTG 4043. Retailing.** Prerequisite: MKTG 3033. A study of the business activity of selling goods or services to the final consumer using traditional and e-commerce models. Topics include basic retailing practices and procedures, current technologies, managing the buying, pricing, promotion, layout, security, and the physical or online location of the retail organization. Fall.

**MKTG 4053. Integrated Marketing Communications.** Prerequisite: MKTG 3033. A study of the promotional mix: advertising, sales promotion, personal selling, and public relations incorporating both traditional and emerging e-market approaches. Ethics and truth in advertising will be emphasized. Spring.

**MKTG 4073. Supply Chain Management.** A senior level course for marketing and management majors. The course reflects the importance of supply chains and channels of distribution in today’s business environment. Spring.

**MKTG 4103. Marketing Management.** Prerequisites: MKTG 3033 and MKTG 3063. An integration of previous marketing coursework. A study of the process of identifying marketing opportunities through evidence-based decision making, using appropriate cognitive skills to apply data analytics and current technology to satisfy customers. Spring.

**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. As needed.

**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. As needed.

### **Applied Music**

Course numbers 1001-4001 are intended for elective credit and for music minors. Course numbers 1002-4002 and 1003-4003 are intended for music majors and music minors. Applied music courses are repeatable for credit. The following course prefixes will apply to specific instruments:

**MABS 1001-4001, 1002-4002, 1003-4003. Bassoon.** One, two, or three hours credit. Fall, spring.

**MACL-1001-4001, 1002-4002, 1003-4003. Clarinet.** One, two, or three hours credit. Fall, spring.

**MACP 1001. Class Piano I.** One hour credit. Fall, spring.

**MACP 1101. Class Piano II.** One hour credit. Spring.

**MACP 1003-4003. Applied Music Instruction – Class Piano.** Students will master musical skills through the use of fundamental exercises and the use of music literature from varied genres. Content will include, but is not limited to: scales, etudes, exercises, solo literature, chamber music, orchestral excerpts, ensemble music, and special projects as assigned by the instructor. Three hours credit. Fall, spring.

**MACP 2001. Class Piano III.** A continuation of the skills taught in Class Piano II. This course will continue to develop skills in reading keyboard notation (treble and bass clefs combined), playing selected harmonic minor scales, sight reading a four-part hymn, playing elementary keyboard repertoire of various styles, and understanding music theory as applied through keyboard playing experiences. One hour credit. Fall, spring.

**MACP 2101. Class Piano IV.** A continuation of the skills taught in Class Piano III. This course will continue to develop skills in reading keyboard notation (treble and bass clefs combined), review and playing all major scales and selected harmonic minor scales, playing from a lead sheet and open choral score, playing elementary keyboard repertoire of various styles, and understanding music theory as applied through keyboard playing experiences. One hour credit. Fall, spring.

**MACV 1211, 3211. Class Voice.** One hour credit. Fall.

**MACV 1221, 3221. Advanced Class Voice.** One hour credit. Spring.

**MACV 1003-4003. Applied Music Instruction – Class Voice.** Students will master musical skills through the use of fundamental exercises and the use of music literature from varied genres. Content will include, but is not limited to: scales, etudes, exercises, solo literature, chamber music, orchestral excerpts, ensemble music, and special projects as assigned by the instructor. Three hours credit. Fall, spring.

**MAEU 1001-4001, 1002-4002, 1003-4003. Baritone/Euphonium.** One, two, or three hours credit. Fall, spring.

**MAFH 1001-4001, 1002-4002, 1003-4003. French Horn.** One, two, or three hours credit. Fall, spring.

**MAFL 1001-4001, 1002-4002, 1003-4003. Flute.** One, two, or three hours credit. Fall, spring.

**MAGU 1001-4001, 1002-4002, 1003-4003. Guitar.** One, two, or three hours credit. Fall, spring.

**MAOB 1001-4001, 1002-4002, 1003-4003. Oboe.** One, two, or three hours credit. Fall, spring.

**MAOR 1001-4001, 1002-4002, 1003-4003. Organ.** One, two, or three hours credit. Fall, spring.

**MAPC 1001-4001, 1002-4002, 1003-4003. Percussion.** One, two, or three hours credit. Fall, spring.

**MAPI 1001-4001, 1002-4002, 1003-4003. Piano.** One, two, or three hours credit. Fall, spring.

**MASA 1001-4001, 1002-4002, 1003-4003. Saxophone.** One, two, or three hours credit. Fall, spring.

**MAST 1001-4001, 1002-4002, 1003-4003. Strings.** One, two, or three hours credit. Fall, spring.

**MATP 1001-4001, 1002-4002, 1003-4003. Trumpet.** One, two, or three hours credit. Fall, spring.

**MATR 1001-4001, 1002-4002, 1003-4003. Trombone.** One, two, or three hours credit. Fall, spring.

**MATU 1001-4001, 1002-4002, 1003-4003. Tuba.** One, two, or three hours credit. Fall, spring.

**MAVC 1001-4001, 1002-4002, 1003-4003. Voice.** One, two, or three hours credit. Fall, spring.

#### **Instrumental Coaching (MAIH)**

**MAIH 3001, 3002, 4001, 4002. Instrumental Coaching.** Advanced individual study of solo instrumental repertoire for upper-level students preparing recitals, competitions, auditions, etc. Repeatable for credit. Fall, spring.

#### **Vocal Coaching (MAVH)**

**MAVH 3001, 3002, 4001, 4002. Vocal Coaching.** Advanced individual study of solo vocal repertoire for upper-level students preparing recitals, competitions, auditions, etc. Repeatable for credit. Fall, spring.

#### **Digital Cinema and Media Production (MPRO)**

**MPRO 4342. Senior Capstone.** Prerequisites: Senior standing and permission of instructor. A senior level course aimed at furthering students' knowledge of postgraduate opportunities. The objective of the course is to develop a body of work to be used in approaching possible jobs or graduate schools. The content of the portfolio will depend on the student's future goals. Fall, spring. Summer, as needed.

#### **Military Science (MSCI)**

**MSCI 1001. Introduction to Leadership.** MSCI 1001 focuses on introduction to the Army and critical thinking. It introduces Candidates to the Army and the Profession of Arms. Students will examine the Army Profession and what it means to be a professional in the U.S. Army. The overall focus is on developing basic knowledge and comprehension of the Army Leadership Requirements Model while gaining complete understanding of the Officer Candidates School (OCS) program, its purpose in the Army, and its advantages for the student. Candidates also learn how resiliency and fitness



supports their development as an Army leader. Includes a weekly two hour lab facilitated and supervised by Cadre.

**MSCI 1101. Basic Leadership Principles.** Prerequisite: MSCI 1001. MSCI 1101 introduces Candidates to the personal challenges and competencies that are critical for effective leadership. Candidates learn the personal development of life skills such as critical thinking, time management, goal setting, and communication. Candidates learn the basics of the communications process and the importance for leaders to develop the essential skills to effectively communicate in the Army. Candidates will begin learning the basics of squad level tactics that will be reinforced during a weekly two hour lab facilitated and supervised by Cadre.

**MSCI 2002. Applied Leadership.** Prerequisite: MSCI 1101. MSCI 2002 focuses on leadership and decision making. The course adds depth to the Candidate's understanding of the Adaptability Army Learning Area. The outcomes are demonstrated through critical and creative thinking and the ability to apply Troop Leading Procedures (TLP) to apply innovative solutions to problems. The Army profession is also stressed through leadership forums and a leadership self-assessment. Includes a weekly two hour lab facilitated and supervised by Cadre.

**MSCI 2102. Army Doctrine and Team Development.** Prerequisite: MSCI 2002. MSCI 2102 focuses on Army doctrine and team development. The course begins the journey to understand and demonstrate competencies as they relate to Army doctrine. Army values, teamwork, and Warrior Ethos and their relationship to the Law of Land Warfare and philosophy of military service is also stressed. The ability to lead and follow is also covered through team building exercises at squad level. Includes a weekly two hour lab facilitated and supervised by Cadre.

**MSCI 3003. Training Management and Warfighting Functions.** Prerequisite: MSCI 2102. MSCI 3003 focuses on training management and warfighting functions. It is an academically challenging course where you will study, practice, and apply the fundamentals of Training Management and how the Army operates through the Warfighting functions. At the conclusion of this course, you will be capable of planning, preparing, and executing training for a squad conducting small unit tactics. Includes a weekly two hour lab facilitated and supervised by Cadre. Successful completion of this course will help prepare you for OCS Phase 1 or Accelerated OCS, which you will attend in the summer at Fort McClellan, AL., or Camp Rapid, SD.

**MSCI 3103. Applied Leadership in Small Unit Operations.** Prerequisite MSCI 3003. MSCI 3103 focuses on applied leadership in small unit operations. It is an academically challenging course where you will study, practice, and apply the fundamentals of direct level leadership and small unit tactics at the platoon level. At the conclusion of this course, you will be capable of planning, coordinating, navigating, motivating, and leading a platoon in the execution of a mission. Includes a weekly two hour lab facilitated and supervised by Cadre. Successful completion of this course will help prepare you for OCS Phase 1 or Accelerated OCS, which you will attend in the summer at Fort McClellan, AL., or Camp Rapid, SD.

**MSCI 4003. The Army Officer.** Prerequisite MSCI 3103. MSCI 4003 focuses on development of the Army Officer. It is an academically challenging course where you will develop knowledge, skills, and abilities to plan, resource, and assess training at the small unit level. You will also learn about Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities. At the conclusion of this course, you will be familiar with how to plan,

prepare, execute, and continuously assess the conduct of training at the company or field grade officer level. Includes a lab per week supervised by OCS G.O.L.D Cadre.

**MSCI 4103. Company Grade Leadership.** Prerequisite MSCI 4003. MSCI 4103 is an academically challenging course where you will develop knowledge, skills, and abilities required for junior officers pertaining to the Army in Unified Land Operations and Company Grade Officer roles and responsibilities. This course includes reading assignments, homework assignments, small group assignments, briefings, case studies, practical exercises, a mid-term exam, and an Oral Practicum as the final exam. The Oral Practicum explores your knowledge of how you will be prepared for the Army Warfighting Challenges (AWFC) covered throughout the OCS G.O.L.D Advanced Course. Successful completion of this course will assist in preparing you for your BOLC B course and is a mandatory requirement for commissioning. Includes a lab per week overseeing MSL III lesson facilitation and supervised by OCS G.O.L.D Cadre.

#### **Middle School Education (MSED)**

**MSED 3053. Integrated Curriculum.** The Integrated Curriculum synthesizes multiple disciplines to offer foundational training addressing the demands of 21<sup>st</sup> century classrooms. Candidates will gain the knowledge and exhibit the skills necessary to design and implement developmentally appropriate and effective teaching strategies dedicated to theory and practice. Fall, spring, summer.

**MSED 3243. Children’s Literature and Social Studies.** Prerequisite: Admission to Teacher Education. Candidates acquire skills in the analysis of specific genres of literature, including multicultural literature, and then use this knowledge to integrate literature within specific social studies content area. Fall, spring.

**MSED 4001. STEM Methods for Middle School Teachers Lab.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. This is a lab to accompany the STEM Methods for Middle School Teachers. Fall.

**MSED 4006. Student Teaching I.** Prerequisite: Unconditional admission to the Educator Preparation Program. Fifteen week experience. Students may be assigned to the grade level of their program of study, or a combination of grade levels if seeking K-12 licensure. The candidates’ culminating experience involves developing and delivering comprehensive unit plans including the associated assessments that provides evidence of their impact on all learners taught within the demonstration units. Fall, spring.

**MSED 4022. Middle School Field II.** Prerequisite: Unconditional admission to the Educator Preparation Program. This course includes observations and tutoring of students in the classroom. Observation and tutoring will focus on principles of teaching reading (or other subject areas assigned by a classroom teacher) through a minimum of 45 hours in the field (Recommend at least 1 to 2 consistent class periods scheduled on a regular weekly basis). This course 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. Evidentiary materials will be created by students through TESS Domain tasks 1-4.

**MSED 4023. Middle Level Field II.** Prerequisite: Unconditional admission to the Educator Preparation Program. 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?” and, “How can my professional practice grow to continually meet the dynamic needs of learners in an era of accelerating change?” in this

course. 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. A minimum of one piece of evidence demonstrating proficiency in Conceptual Framework Dispositions and one piece of evidence demonstrating Conceptual Framework Competencies required for inclusion in the EPP Portfolio in LiveText. Fall.

**MSED 4103, 4016. Student Teaching II.** Prerequisite: Unconditional admission to the Educator Preparation Program. Fifteen week experience. Students may be assigned to the grade level of their program of study, or a combination of grade levels if seeking K-12 licensure. The candidates' culminating experience involves developing and delivering comprehensive unit plans including the associated assessments that provides evidence of their impact on all learners taught within the demonstration units. Fall, spring.

**MSED 4243. STEM for Middle School Teachers.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Candidates will strengthen their subject matter knowledge in order to be better equipped for teaching the scientific pedagogy for 4<sup>th</sup>-8<sup>th</sup> grade students (including special needs and ESL learners). Candidates will utilize scientific inquiry along with the 5E model of teaching and the problem-based learning approach to enhance students' critical thinking. Throughout the course, candidates will design instruction and utilize scientific technologies to effectively move student thinking toward meaningful of the 1) Disciplinary Core Ideas, 2) Science and Engineering Practices, and 3) Crosscutting Concepts within the realm of Earth, Life, Physical, and Engineering Science.

**MSED 4293. Math for Middle Level Teachers.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. This course is designed to prepare candidates to teach mathematics with an enhanced focus in STEM. Topics include developing understanding in mathematics, teaching through problem solving, assessment, planning, equity mathematics education, and using teaching effectively. Candidates will study the development of concepts and procedures in these content areas: number concepts and number sense, operations, fractions, measurement, geometric thinking, probability, algebraic reasoning, and use this background to create, teach, and reflect on lessons from the content areas as they incorporate them into science, technology, and engineering. Fall.

**MSED 4323. Family, Schools, and Community.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Teacher candidates examine the social, economic, and cultural conditions that influence the relationship between children, families, and communities within contemporary society. Fall, summer.

**MSED 4333. Language Arts for Teachers.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. This course focuses on the methods and techniques of teaching language arts to 4-8 students. An emphasis will be placed on teaching writing, grammar, and speaking and listening. Fall, spring.

**MSED 4343. STEM Methods for Middle School Teachers.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Designed to give the candidate an awareness of the relationships among various sciences and the essential basic knowledge of new science. Selection and organization of learning activities and materials for the teaching of science will also be emphasized. Fall.

**MSED 4353. Social Studies in the Middle School.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. This course includes

information related to teaching Social Studies in the Middle School classroom. Content will focus on United States History, Government, Citizenship, Geography, Anthropology, Sociology, World History, and Economics. Fall.

**Musical Theatre (MTHR)**

**MTHR 1002, 2002, 3002, 4002. Musical Theatre Production Ensemble.** Designed to give students the opportunity to rehearse and perform in full musical productions. The course is aimed at developing the performer's ability to sing as an ensemble member in a company of performers. Fall, spring.

**Piano for Musical Theatre (MTPI)**

**MTPI 1001, 1101. Piano for Musical Theatre I, II.** An introductory course to the fundamentals of playing the keyboard. The course will supply musical theatre majors with basic piano-playing skills and sight-reading proficiency in order to play melodies and portions of musical scores, which would be encountered in a professional capacity.

**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. Fall, spring.

**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. One hour credit. Spring, alternate years.

**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. Two hours credit. Spring, alternate years.

**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. One hour credit. Spring, alternate years.

**MUED 3012. Instrumental Conducting.** Designed for the instrumental music education major. Includes the study of basic conducting techniques, score preparation, and band literature. Two hours credit. Spring, alternate years.

**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. One hour credit. Spring, alternate years.

**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. One hour credit. Spring, alternate years.

**MUED 3052. Methods and Administration of Elementary School Music.** Prerequisite: Conditional and/or unconditional admission to the Educator Preparation Program. Administration, methods, and materials for public school music at the elementary school level. Two credit hours. Spring.

**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. One hour credit. Fall, alternate years.

**MUED 3172. Marching Band Techniques.** The study of computer-assisted drill design, literature selection, and administrative considerations for the contemporary marching band. Two hours credit. Fall, alternate years.

**MUED 3201. Diction for Singers I.** A study of diction as it relates to the art of singing vocal literature in English and specific foreign languages. Students will learn the anatomical structure and appropriate use of the articulatory mechanism, vowel positioning, IPA (International Phonetic Alphabet) symbols, and transcription guidelines for English, Latin, Italian, German, and French texts selected from solo vocal and choral literature. One hour credit. Fall.

**MUED 3202. Media Applications. Orchestration and Arranging.** Designed to acquaint student 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. Two credit hours. Spring, alternate years.

**MUED 3211. Diction for Singers II.** Continuation of the study of diction as it relates to the art of singing vocal literature in English and specific foreign languages. Students will learn the anatomical structure and appropriate use of the articulatory mechanism, vowel positioning, IPA (International Phonetic Alphabet) symbols, and transcription guidelines for English, Latin, Italian, German, and French texts selected from solo vocal and choral literature. One hour credit. Spring.

**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. Two hours credit. Fall, alternate years.

**MUED 3233. Methods and Materials in Choral Music.** Designed to enable the vocal music education major to build and maintain a highly organized, well-balanced music education program. The course will cover topics such as diction and vocal pedagogy, as well as continued study of rehearsal techniques and choral literature. Three hours credit. Spring, alternate years.

**MUED 3322. Vocal Pedagogy.** A pedagogy course designed to prepare vocal performance majors with the resources and techniques needed to instruct beginning and intermediate singers. Vocal Pedagogy presents the anatomy and function of the human singing voice and its application to the private voice lesson setting. Additionally, students will learn approaches to correcting common vocal faults. Age-appropriate repertoire, vocal warm-ups and technical exercises, and empathic/diagnostic listening skills are also presented. This course is reading intensive and requires interaction with students of singing. Two hours credit. Fall.

#### **Music Ensemble (MUEN)**

Enrollment in any MUEN course requires an audition before the appropriate faculty and permission of the instructor.

**MUEN 1051, 2051, 3051. Marching Band.** Concentrates on the preparation and performance of contemporary marching band drill and literature. One hour credit. Fall.

**MUEN 1061, 3061. Chamber Singers.** Select ensemble with enrollment determined by audition. This ensemble will be devoted to chamber choral literature. One hour credit. Fall, spring.

**MUEN 1071, 3071. Instrumental Ensemble.** Chamber music study and performance in appropriate combinations for all instrumentalists. One hour credit. Fall, spring.

**MUEN 1081, 3081. Jazz Band.** The study of standard and contemporary repertoire with opportunities for individual improvisation and ensemble jazz experience. One hour credit. As needed.

**MUEN 1101, 3101. University Band.** The study and performance of advanced concert band literature. For interested instrumentalists during the spring semester. One hour credit. Spring.

**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. One hour credit. Fall, spring.

**MUEN 1151, 3151. Symphonic Wind Ensemble.** The study and performance of a variety of standard and contemporary literature for winds and percussion. One hour credit. Spring.

**MUEN 1171, 3171. Concert Band.** The study and performance of advanced concert band literature. For interested instrumentalists during the spring semester. One hour credit. Spring.

**MUEN 3091. Dixieland Jazz Band.** The study of standard repertoire with opportunities for individual improvisation and Dixieland jazz ensemble experience. Students will be afforded the opportunity to perform in small jazz chamber groups such as trios and quartets. One hour credit. As needed.

#### **Music Junior Recital**

**MUJR 3000. Junior Recital.** Fall, spring.

#### **Literature and History of Music**

**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. Three hours credit. Spring.

**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 is an integral part of the course. Three hours credit. Music I, Fall. Music II, Spring.

**MULI 4891-3, 4991-3. Independent Study in Music Literature.** Prerequisite: Consent of department chair. Advanced study in chosen areas of music literature. Each course may be taken once for a maximum of three semester hours each. One to three hours credit. As needed.

#### **Music (MUS)**

**MUS 2003. History of Rock Music.** Survey of British and American rock music from its roots in jazz, blues, and country and western music to the present day. Three hours credit. As needed.

**MUS 2013. Music Appreciation.** 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. Three hours credit. (ACTS-MUSC 1003) Fall, spring.

**Music Recital (MUSR)**

**MUSR 4000. Senior Recital.** Fall, spring.

**Theory of Music (MUTH)**

**MUTH 1003, 1103. Written Theory I, II.** Prerequisite: MUTH 1093. MUTH 1003 is prerequisite for MUTH 1103. A study of traditional harmony through dominant seventh chords, ornamental tones, borrowed dominants, and introduction to modulation. Three hours credit. Written Theory I, spring semester. Written Theory II, Fall.

**MUTH 1011, 1111. Applied Theory I, II.** MUTH 1011 is prerequisite for MUTH 1111. Sight-singing and ear training. A study of scales, rhythms, intervals, and triads. One hour credit. Applied Theory I, spring. Applied Theory II, Fall.

**MUTH 1113. Theory and Piano Skills for Musical Theatre I.** An introduction to the basic musical elements of scales, intervals, harmonic structure and rhythm coupled with sight-reading, ear-training, and basic piano instruction. The course will supply musical theatre majors with basic theory and piano-playing skills in order to play melodies and portions of musical scores which would be encountered in a professional capacity. Fall.

**MUTH 1123. Theory and Piano Skills for Musical Theatre II.** Prerequisite: MUTH 1113. This course will build on the skills learned in MUTH 1113, focusing on the relationship of harmonies coupled with sight-reading, ear-training, and basic piano instruction. The course will supply musical theatre majors with basic theory and piano-playing skills in order to play melodies and portions of musical scores which would be encountered in a professional capacity. Spring.

**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. Three hours credit. Fall.

**MUTH 2003, 2103. Written Theory III, IV.** Prerequisites: MUTH 1103, MUTH 2003 is prerequisite for MUTH 2103. 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. Three hours credit. Written Theory III, Spring. Written Theory IV, Fall.

**MUTH 2011, 2111. Applied Theory III, IV.** Prerequisites: MUTH 1111. MUTH 2011 is prerequisite for MUTH 2111. A continuation of Applied Theory II with more complex elements introduced through singing and dictation. One hour credit. Applied Theory III, Spring. Applied Theory IV, Fall.

**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. One to three hours credit. As needed.

**Nursing (NURS)**

**NURS 2003. Introduction to Professional Nursing.** Prerequisites: Sophomore standing. Introduce the pre-professional student to the concepts of professional nursing with a focus on professional values, communication, health promotion, and patient

safety. In addition, it provides an introduction to theory in nursing to serve as a bridge to the application of evidence-based nursing practice in future baccalaureate nursing courses. Topics addressed in the course include historical context of nursing, professional nursing roles, legal and ethical aspects of nursing practice, cultural diversity and other basic components of the nursing profession that are representative of baccalaureate education. Fall, spring.

**NURS 2020. Nursing Exams.** This is a non-credit course. This course will serve as a 2 hour exam period that a faculty in the Department of Nursing may use to test students. Students will sign up for the class to commit to testing times, but will not be receiving credit for enrolling in the class.

**NURS 2131-4. Special Topics.** Integrates concepts and skills from a variety of nursing topics to build a broader foundation for the nursing major. Enrollment must be pre-approved by Department Chair. (Credit: 1-4 credit hours.) As needed.

**NURS 3001. Orientation for Online RN-BSN Completion Program.** Introduces students to the Department of Nursing's mission, philosophy, governance structure, and student handbook. In addition, it provides an overview of the RN-BSN curriculum and skills necessary for academic success in the program. Concepts that will be addressed include online classroom, resource utilization, writing guidelines, and professional concepts representative of baccalaureate education. Fall, spring.

**NURS 3003. Health Assessment.** Prerequisite or Corequisite: NURS 3001. The course provides a foundation of holistic health assessment for nursing intervention and practice, interviewing skills, health history, diagnostic tests and physical examination. Fall, Spring, as needed.

**NURS 3013. Issues and Trends in Nursing.** Prerequisite or Corequisite: NURS 3001. This course will address some of the issues that face nurses today; issues include professional relationships, technology, patient self-determination, health policy, economic, social, gender, transcultural, and spiritual issues. Ethical and legal perspectives will be explored along with strategies for using influence to address these issues. Cross referenced with PH 3013. Fall.

**NURS 3035. Community Health Nursing.** Prerequisite: NURS 3043. Corequisites: NURS 3001 and NURS 3003. Students integrate concepts from previous nursing and related courses when organizing care for individuals, families/groups, and communities. Using critical thinking skills, students apply the nursing and research process for effective community/public health nursing practice. The concept of epidemiology, health promotion, cultural diversity, illness and disease management, communication, and role development within community/public health nursing practices are emphasized. Clinical experiences are designed to allow students to implement the research/nursing process through professional nursing practice with individuals, families/groups, and communities in a variety of settings. Five credit hours are divided into four credit hours lecture and one credit hour clinical learning experiences, which is a 1:3 ratio, or three clinical contact hours/week. Spring.

**NURS 3043. Research for Evidence-Based Practice.** Prerequisite or Corequisite: NURS 3001. Familiarizes the student with the process of scientific inquiry including systematic, practical, and ethical issues relevant to the research process in nursing. Emphasis is on understanding research methodology, basic statistical methods, and evaluating the scientific integrity of nursing literature. Cross referenced with PH 3043. Spring.



**NURS 3053. The Business of Health Care.** Prerequisite or Corequisite: NURS 3001. This course introduces baccalaureate students to the business aspects of the health care delivery systems including the philosophy of managed care, economics and financing of health care, administrative structures, and quality improvement. Cross referenced with PH 3053. Fall.

**NURS 3081. Standardized Assessment Competency Course: Mental Health Nursing.** Prerequisites: Junior standing and admission into the program. Course focus is the improvement of student competency on standardized assessments with rigorous review of core nursing curriculum content. Accomplished with weekly online assignments to strengthen core nursing content knowledge and periodic standardized assessment exercises to develop performance proficiency. Enrollment consists of students with proctored standardized assessment results below the Level II benchmark for the following course: NURS 3083 Foundations of Mental Health Nursing. Fall, spring.

**NURS 3083. Foundations of Mental Health Nursing.** Prerequisites: NURS 3093, NURS 3101, NURS 3103, NURS 3206, and NURS 3303. This course focuses on the nursing care of individuals who are experiencing mental health disorders. Students are provided the opportunity to analyze theories, concepts, research, and issues and trends in psychiatric-mental health nursing. Focus is on internal and external factors affecting the mental health of clients. Emphasis is on the role of the professional nurse in health promotion and maintenance, illness care, and rehabilitation of clients experiencing psychiatric-mental health concerns. Fall, spring.

**NURS 3093. Techniques of Health Assessment.** Prerequisites: Junior standing and admission into the program. Knowledge and skills necessary to conduct a comprehensive health assessment for individuals across the life span are presented, including history taking, review of systems, and physical examination techniques. Emphasis is placed on integrating theoretical knowledge with psychomotor assessment skills to equip students for entry level practice. Fall, spring.

**NURS 3101. Introduction to Pharmacology.** Prerequisites: Junior standing and admission into the program. Introduces principles of pharmacology, including drug classification, actions, and metabolism. Students will be expected to demonstrate mastery of dosage calculations. The role of the nurse in safe medication administration and client education is emphasized. Fall, Spring.

**NURS 3103. Gerontological Nursing.** Prerequisites: Junior standing and admission into the program. Nursing principles relevant to the care of the geriatric client are introduced. The physiological, sociological, and psychological responses to aging are addressed. The role of the nurse as provider of care and interdisciplinary team member are emphasized as related to care of the older adult in a variety of settings. Nursing process serves as the basis for delivery of care to the aging population. Fall, spring.

**NURS 3201. Standardized Assessment Competency Course: Pharmacology in Nursing.** Prerequisites: Junior standing and admission into the program. Course focus is the improvement of student competency on standardized assessments with rigorous review of core nursing curriculum content. Accomplished with weekly online assignments to strengthen core nursing content knowledge and periodic standardized assessment exercises to develop performance proficiency. Enrollment consists of students with proctored standardized assessment results below the Level II benchmark for the following course: NURS 3203 Pharmacology. Fall, spring.

**NURS 3206. Nursing Care I – Foundations.** Prerequisites: Junior standing and admission into the program. Essential knowledge, attitudes, and skills for professional nursing practice are presented. Principles of physical, biological, and behavioral sciences are integrated with theoretical nursing knowledge to provide the basis of professional nursing care of individuals in various settings. The nursing process provides the basis for organizing the care of clients. The campus laboratory and a variety of health care settings provide opportunities for integration of theory and practice. (6 credit hours are divided into 4 credit hours lecture, and 2 credit hours clinical learning experiences, which is a 1:3 ratio, or 6 clinical contact hours/week). The course includes a 1.5-hour recitation per week. Fall, spring.

**NURS 3211. Standardized Assessment Competency Course: Foundations of Nursing Care.** Prerequisites: Junior standing and admission into the program. Course focus is the improvement of student competency on standardized assessments with rigorous review of core nursing curriculum content. Accomplished with weekly online assignments to strengthen core nursing content knowledge and periodic standardized assessment exercises to develop performance proficiency. Enrollment consists of students with proctored standardized assessment results below the Level II benchmark for the following course: NURS 3206 Nursing Care I- Foundations. Fall, spring.

**NURS 3303. Pathophysiology for Nurses.** Prerequisites: Junior standing and admission into the program. Provides an overview of pathophysiological mechanisms of disease states. Processes of abnormal physiology in body systems are presented using commonly occurring diseases as illustrations. Principles of genetics, immunology, and research findings are applied to analyze clinical nursing implications and client outcomes. Fall, spring.

**NURS 3307. Nursing Care II – Acute Care.** Prerequisites: NURS 3093, NURS 3101, NURS 3103, NURS 3206, and NURS 3303. The development of nursing knowledge and skills appropriate for individuals experiencing acute health deviations is emphasized. Building upon previous theory and skills, a nursing process approach is used to plan and deliver evidence-based nursing care to individuals across the lifespan. Client education is emphasized. The campus laboratory, as well as acute care settings, provides opportunities for integration of theory to practice. (7 credit hours are divided into 4.5 credit hours lecture, and 2.5 credit hours clinical learning experiences). The course includes a 1.5-hour recitation per week. Fall, spring.

**NURS 3313. Health Alterations.** Prerequisite or corequisite: NURS 3001. This course focuses on concepts of altered physiology resulting from deviations in health and wellness. These concepts are essential to understanding the diseases and disabling conditions that can affect the body systems across the lifespan. Fall.

**NURS 3403. Nursing Research for Evidence Based Practice.** Prerequisites: NURS 3093, NURS 3101, NURS 3103, NURS 3206, and NURS 3303. Familiarizes students with the process of scientific inquiry, including systematic, practical, and ethical issues relevant to the nursing research process. Emphasis is on understanding research methodology, critiquing nursing research, and evidence-based nursing practice. Fall, spring.

**NURS 3412. Pharmacology II.** Prerequisites: NURS 3093, NURS 3101, NURS 3103, NURS 3206, and NURS 3303. Applies principles of pharmacology, including drug classification, actions, and metabolism. Students will be expected to demonstrate mastery of dosage calculations. Employ the nursing process across the lifespan of the client when

administering medication. The role of the nurse in safe medication administration and client education is emphasized. Fall, spring.

**NURS 3502. Informatics in Nursing.** Prerequisite or Corequisite: NURS 3001. Students examine the evolving use of computers and technology in the nursing profession. Consideration is given to the use of information technology to support decisions promoting safety and quality in patient-centered care. Assignments focus on the influence of informatics in areas of research, administration, communication, and clinical guidelines of evidence-based practice. Actual problem solving focuses on how computerization and automation can affect the nursing care delivery system. Spring.

**NURS 4015. Leadership and Management.** Prerequisites: NURS 3003 and NURS 3043. Explores the role of the baccalaureate nurse in using leadership and management theories, and organizational structure as frameworks for managing the delivery of nursing care for individuals and families and groups. The preceptored experience must be agreed upon by the student and instructor the semester before taking an RN-BSN course with a clinical component. Five credit hours are divided into four credit hours lecture and one credit hour clinical learning experiences, which is a 1:3 ratio, or three clinical contact hours/week. Spring.

**NURS 4092. Contemporary Issues and Ethics in Nursing.** Prerequisites: NURS 3083, NURS 3307, NURS 3403, and NURS 3412. A presentation of historical, political, legal, ethical, and cultural underpinnings affecting the nursing profession. Addresses the evolution, current status, and future direction of the profession of nursing. Fall, spring.

**NURS 4101-4. Advanced Topics in Nursing I.** Prerequisites: Associate degree or Diploma in Nursing and consent of Department Chair. Focuses on advanced concepts and skills associated with the role of the baccalaureate nurse. Designed to encourage creative independent study with the supervision of a faculty preceptor. One to four hours credit depending on the nature and extent of the topic. As needed.

**NURS 4121. Pharmacology III.** Prerequisites: NURS 3083, NURS 3307, NURS 3403, and NURS 3412. Evaluate principles of pharmacology, including drug classification, actions, and metabolism. Students will be expected to demonstrate mastery of dosage calculations. Employ the nursing process across the lifespan of the client when administering medication. The role of the nurse in safe medication administration and client education is emphasized. Fall, Spring.

**NURS 4123. Synthesis of Nursing Concepts.** Prerequisites: NURS 4092 and NURS 4121. This course is designed to assist students in preparing for a standardized exit exam and the licensure examination for Registered Nurses (NCLEX-RN). Students are expected to obtain a minimum standard (as included in the course syllabus) on a comprehensive, standardized exit examination given near the end of the semester. Fall, spring.

**NURS 4201-4. Advanced Topics in Nursing II.** Prerequisites: Associate degree or Diploma in Nursing and consent of Department Chair. Focuses on advanced concepts and skills associated with the role of the baccalaureate nurse. Designed to encourage creative independent study with the supervision of a faculty preceptor. One to four hours credit depending on the nature and extent of the topic. As needed.

**NURS 4205. Leadership and Management in Nursing Practice.** Prerequisites: NURS 4092 and NURS 4121. Explores the role of the baccalaureate nurse in using leadership and management theories, and organizational structure as frameworks for managing the delivery of nursing care for individuals and families/groups. (5 credit hours are divided

into 3 credit hours lecture and 2 credit hours clinical learning experiences, which is a 1:3 ratio, or 6 clinical contact hours/week). Fall, spring.

**NURS 4211. Standardized Assessment Competency Course: Pediatric Nursing.** Prerequisites: Senior standing and admission into the program. Course focus is the improvement of student competency on standardized assessments with rigorous review of core nursing curriculum content. Accomplished with weekly online assignments to strengthen core nursing content knowledge and periodic standardized assessment exercises to develop performance proficiency. Enrollment consists of students with proctored standardized assessment results below the Level II benchmark for the Pediatric standardized assessment for the following course: NURS 4214 Nursing Care III Pediatrics. Fall, spring.

**NURS 4214. Nursing Care III: Pediatrics.** Prerequisites: NURS 3083, NURS 3307, NURS 3403, and NURS 3412. Principles of pediatric nursing are introduced. The course focuses on family development and the child's unique responses to the external environment. Students collaborate with members of the interdisciplinary health care team to develop family centered nursing plans of care. The campus laboratory setting as well as hospital, and outpatient settings provide the opportunity for integration of theory to practice. (4 credit hours are divided into 3 credit hours lecture, and 1 credit hours clinical learning experiences, which is a 1:3 ratio). The course includes a 0.5 hour recitation per week. Fall, spring.

**NURS 4221. Standardized Assessment Competency Course: Maternal Newborn Nursing.** Prerequisites: Senior standing and admission into the program. Course focus is the improvement of student competency on standardized assessments with rigorous review of core nursing curriculum content. Accomplished with weekly online assignments to strengthen core nursing content knowledge and periodic standardized assessment exercises to develop performance proficiency. Enrollment consists of students with proctored standardized assessment results below the Level II benchmark for the Maternal Newborn standardized assessment for the following course: NURS 4234 Nursing Care III: Maternal Newborn. Fall, spring.

**NURS 4224. Nursing Care III: Community Health.** Prerequisites: NURS 3083, NURS 3307, NURS 3403, and NURS 3412. This course expands the focus of nursing to the community and populations by providing a theoretical basis for community health nursing and public health practices. Students participate in home visits, health screenings, and health promotions/educational activities. The course addresses environmental health, safety, disaster response, epidemiology, and communicable diseases affecting the health of individuals, families, and communities. (4 credit hours divided into 3 credit hours lecture, and 1 credit hour clinical learning experiences, which is a 1:3 ratio, or 6 clinical contact hours/week). The course includes a 0.5 hour recitation per week. Fall, spring.

**NURS 4234. Nursing Care III: Maternal Newborn.** Prerequisites: NURS 3083, NURS 3307, NURS 3403, and NURS 3412. Principles of reproductive, maternal, and newborn nursing are introduced. The course focuses on maternal-childbearing care and experiences, and care of the newborn. Students collaborate with members of the interdisciplinary health care team to develop family centered nursing plans of care. The campus laboratory setting as well as hospital, and outpatient settings provide opportunity for integration of theory to practice. (4 credit hours are divided into 3 credit hours lecture, and 1 credit hour of clinical learning experiences, 45 contact hours per semester). The course includes a 0.5 hour recitation per week. Fall, spring.

**NURS 4301. Standardized Assessment Competency Course: Acute Care Nursing.**

Prerequisites: Senior standing and admission into the program. Course focus is the improvement of student competency on standardized assessments with rigorous review of core nursing curriculum content. Accomplished with weekly online assignments to strengthen core nursing content knowledge and periodic standardized assessment exercises to develop performance proficiency. Enrollment consists of students with proctored standardized assessment results below the Level II benchmark for the following course: NURS 3307 Nursing Care II- Acute Care. Fall, spring.

**NURS 4307. Nursing Care IV – Complex Care.**

Prerequisites: NURS 4092 and NURS 4121. The development of nursing knowledge and skills appropriate for individuals experiencing complex health deviations across the continuum of care is emphasized. Opportunities to collaborate with members of the health care team to provide holistic, evidence-based nursing care to families and patients with complex health care needs are provided. Students are expected to demonstrate synthesis of knowledge from previous courses through the delivery of safe, effective care to acutely ill individuals in hospitals and other agencies. (7 credit hours are divided into 4.5 credit hours lecture, and 2.5 credit hours clinical learning experiences, which is a 1:3 ratio, or 7.5 clinical contact hours/week.) The course includes a 1.5-hour recitation per week. Fall, spring.

**NURS 4312. Nursing Beyond Borders.**

Prerequisites: NURS 3093, NURS 3101, NURS 3206, and NURS 4073. This course is designed to encourage students to become more culturally aware of healthcare delivery through exploring and providing health care in global healthcare settings. During this course, students will have the opportunity to be culturally immersed; learning culture, history, and the provision of healthcare. As needed.

**Public Health (PH)**

**PH 2003. Foundations of Public Health.**

Introduction to the field of public health, including its historical evolution, fundamental concepts, theories and practices in the United States, and its central values and ethical principles. In order for students to comprehend the magnitude of complex factors impacting health and the tools available to protect and promote health, specific topics will include the structure of the U.S. public health system, the CDC's 10 Essential Public Health Services, and the five public health core knowledge areas defined by the Council on Education for Public Health.

**PH 3013. Issues and Trends in Health Care.**

This course will address some of the issues facing healthcare professionals; issues include professional relationships, technology, patient self-determination, health policy, economic, social, gender, transcultural, and spiritual issues. Ethical and legal perspectives will be explored along with strategies for using influence to address these issues. Same as NURS 3013.

**PH 3043. Research for Evidence-Based Practice.**

Familiarizes the student with the process of scientific inquiry including systematic, practical, and ethical issues relevant to the research process in nursing. Emphasis is on understanding research methodology, basic statistical methods, and evaluating the scientific integrity of nursing literature. Same as NURS 3043.

**PH 3053. The Business of Health Care.**

This course introduces baccalaureate students to the business aspects of the health care delivery systems including the philosophy of managed care, economics and financing of health care, administrative structures, and quality improvement. Same as NURS 3053. As needed.

**PH 3063. Social and Behavioral Health.** Prerequisite: PH 2003. Overview of the impact of the social and behavioral sciences on health behavior issues. Key topics include examination of key factors such as culture, race/ethnicity, gender, and socioeconomic status as they apply to family, community, organizational climate, etc., as well as social and behavioral science fundamentals employed to address past, present, and future public health concerns.

**PH 3103. Biological Concepts for Public Health.** Prerequisites: PH 2003 and BIOL 3903. Exploration of the major foundations of human disease from an ecological perspective that integrates population-centric approaches to the study of both infectious and genetically determined diseases. Specific topics include methods of infectious disease transmission, common disease risk factors and biological processes, and the impact of these topics on public health.

**PH 4003. Epidemiology.** Overview of principles of epidemiology with an emphasis on public health applications. Topics include examination of specific epidemiological tools used to help plan, monitor, and evaluate population health; consideration of methods for population health management; and understanding of factors influential to population health and the strategies that healthcare systems and organizations can implement for control of these factors.

**PH 4023. Health Care and Public Health Policy.** Prerequisite: PH 2003. Introduction to health care services, including the characteristics and structure of the U.S. health care system and its comparison to other health systems. Key topics include examination of public health policy, laws, ethics, and economics; knowledge of key elements of the health care industry pertaining to medical care and public health; understanding of the interrelated roles of industry; and challenges facing state and national health care systems.

**PH 4033. Evaluation Methods in Public Health.** Prerequisite: PH 2003. Discussion and application of processes surrounding public health evaluation, including issues of overall evaluation design, as well as methods and techniques used for conducting evaluations, communicating results, and ensuring that evaluation findings are used appropriately by intended users. As needed.

**PH 4123. Program Planning and Evaluation for Public Health.** Prerequisite: PH 2003. Exploration of various practical skills used to effectively plan, implement, and manage programs that address public health problems in a range of settings. Key components include discussion of major concepts, theories, and methods in planning, implementing, and evaluating successful health promotion programs and events.

**PH 4691-3. Advanced Topics in Public Health.** A course devoted to special topics in public health not treated in other public health courses. May be repeated. As needed.

**PH 4791-3. Independent Study in Public Health.** Prerequisite: Consent of the department. Investigations in area of current public health research with faculty guidance. Project plan must be presented to department chair for approval. As needed.

**PH 4891-3. Undergraduate Research in Public Health.** Prerequisite: Consent of instructor. Student will conduct an experiential research project under the guidance of a faculty member. Student will meet weekly with their faculty research advisor and contribute to the design, implementation, analysis, and presentation of the research project. May be repeated. As needed.

**PH 4983. Public Health Internship.** A structured field experience relevant to public health. Each internship is designed to provide a representative and meaningful learning experience for the participating student. Requires advanced planning and prior approval.

**Physical Education Activity (PHED)**

**PHED 1001-1561. Activities.** One credit hour of physical education activity is 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. Fall, spring, summer.

**PHED 1501. Concepts of Physical Activity and Wellness.** This course is 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. Fall, spring, summer.

**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.) Senior Wellness program participants. As needed.

**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.) Senior Wellness program participants. Fall, spring, summer.

**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. Senior Wellness program participants. Fall, spring.

**PHED 1541. Martial Arts.** Students will be introduced to physical conditioning, stretching, and calisthenics (sit-ups, squats, lunges, push-ups, etc.). As needed.

**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. Fall, spring, as needed.

**PHED 1561. Cardioboxing.** A challenging cardiovascular workout that combines boxing techniques and high-energy cross training. As needed.

**PHED 1571. Beginning In-Line Skating.** The course is designed to help students gain introductory knowledge and skill practice for in-line skating. As needed.

**Philosophy (PHIL)**

**PHIL 2403. Introduction to Philosophy and Ethics.** Prerequisites: Sophomore standing, and the completion of ENGL 1113 and ENGL 1123. This course presents a survey of the most basic issues in philosophy, with a special emphasis on ethical theory, ethical application, and professional ethics. (ACTS-PHIL 2403) Fall, spring, summer.

**PHIL 2413. World Religions.** This course examines the role religion has played in the development of human society and common elements in various religious traditions. Spring, alternate years.

**PHIL 3003. Death, Dying and World Religion.** Explores and compares the cultural differences and similarities among societies going through the bereavement process. The course will also examine theological perspectives on death and dying, including how life and death are connected in the larger cosmological concepts of various world cultures. Fall, alternate years.

**PHIL 3013. Philosophy of Religion.** This course is designed to facilitate the student's understanding of the process and content of religion. The student will have the opportunity to read about and to get involved in the investigation and debate about major issues within and about religion. Fall, alternate years.

**PHIL 3413. Geography and World Religion.** This course surveys the geography of the distribution, historical and cultural effects of the world religions. It will provide students with opportunities for the study of the spatial variations in religious beliefs with and between countries, how religion develops, spread and impact a culture. This course also combines in a summary the materials related to major issues within religion and how it's rooted in geographical factors. Same as GEOG/HIST 3413. Fall, odd years, as needed.

**PHIL 4013. Women and Religion.** Examines women's religious practices and traditions in Judaism, Christianity, Islam, Buddhism, and Hinduism. Spring, alternate years.

#### **Physical Science (PHSC)**

**PHSC 2021. The Physical Sciences Laboratory.** To be taken concurrently with PHSC 2023. Laboratory two hours. (ACTS-PHSC 1004) Fall, spring.

**PHSC 2023. The Physical Sciences.** Prerequisites: Two years of high school algebra or MATH 1023 or MATH 1053 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. (ACTS-PHSC 1004) Fall, spring.

**PHSC 3000. Science for the Middle Level Teacher Laboratory.** To accompany PHSC 3003. Same as BSCI 3000. Fall, spring.

**PHSC 3003. Science for the Middle Level Teacher.** Prerequisites: E ED 3002/3003 and two courses in science. Designed to give the middle school 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 and laboratory two hours. Same as BSCI 3003. Fall, spring.

#### **Physics (PHYS)**

**PHYS 1002. Preparative College Physics.** This course is designed to introduce the basic mathematical concepts used in physics so that a student can be better prepared for succeeding in College Physics I and II. This course under no circumstances can be used as a science or general education credit. As needed.

**PHYS 1131. Physics in Society Laboratory.** One two-hour period per week. Fall, spring.



**PHYS 1133. Physics in Society.** Study of fundamental concepts of physics for general education, with emphasis of learning physics principles on a need-to-know basis to address societal-technological issues. Three hours of lecture and one two-hour lab period per week (PHYS 1131). Designed for non-science majors. Does not count toward a degree in the college of Science and Engineering. Fall, spring.

**PHYS 2001. College Physics I Laboratory.** To be taken concurrently with PHYS 2003. Laboratory three hours per week. (ACTS-PHYS 2014) Fall, summer.

**PHYS 2003. College 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 per week. (ACTS-PHYS 2014) Fall, summer.

**PHYS 2033. Electrical Circuits I.** Corequisite: MATH 1525. The fundamental laws of circuit theory applied to resistive networks, network topology, mesh currents and node voltages, network theorems, one-terminal and two-terminal pair resistive networks. Time response functions of R-L, R-C, and R-L-C circuits. Same as ENGR 2033. Spring.

**PHYS 2101. College Physics II Laboratory.** To be taken concurrently with PHYS 2103. Laboratory three hours per week. (ACTS-PHYS 2024) Spring.

**PHYS 2103. College Physics II.** A continuation of PHYS 2003. Topics include electricity, magnetism, optics, and modern physics. Lecture three hours. (ACTS-PHSC 2024) Spring.

**PHYS 2131. Astronomy Lab.** Must be taken concurrently with PHYS 2133. One three-hour period per week. As needed.

**PHYS 2133. Astronomy.** This course will provide quantitative and qualitative conceptual understanding of space, solar system, and properties of stars, planets, galaxies, supernovae, cosmos, and the rest of the universe. The labs will be in form of Telescope observations and computer simulation. Space will be limited. As needed.

**PHYS 2201. University Physics I Laboratory.** To be taken concurrently with PHYS 2203. Laboratory three hours per week. (ACTS-PHSC 2034) Fall.

**PHYS 2203. University Physics I.** Corequisite: MATH 1525. An introduction to the principles of mechanics, wave motion, and thermal physics for science and engineering students. Lecture three hours per week. (ACTS-PHSC 2034) Fall.

**PHYS 2211. University Physics II Laboratory.** To be taken concurrently with PHYS 2213. Laboratory three hours per week. (ACTS-PHYS 2044) Spring.

**PHYS 2213. University Physics II.** A continuation of PHYS 2203. The fundamental principles of electromagnetic phenomena, including light. Lecture three hours. (ACTS-PHYS 2044) Spring.

**PHYS 3033. Electromagnetism.** Prerequisites: 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. Fall, alternate years.

**PHYS 3053. Modern Physics.** Modern Physics is probably the most important physics course you will be taking, it is important because it is designed to expose students to various recent ideas that have changed our understanding of the physical world. The emphasis will be on the development of physics from the 1900's and up. We will closely

study topics such as Einstein's theory of special relativity, the structure of the atom, the basis of quantum theory and quantum mechanics, the Hydrogen atom, atomic and nuclear physics, and if time permits, the theory of elementary particles, and some cosmology.

**PHYS 3113. Advanced Physics Laboratory.** Prerequisites: 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. One hour lecture. Fall, 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 BSE majors only. As needed.

**PHYS 4013. Optics.** Prerequisites: MATH 3033 and PHYS 3033. This course synthesizes the fundamental behavior and properties of light, interference and diffraction of light, geometric optics, Fermat and Huygens-Fresnel principles, optical interferometry, fiber optics, and lasers as time permits. As needed.

**PHYS 4043. Analytical Mechanics.** PHYS 4043. Corequisites: MATH 3033. Prerequisites: MATH 1545 and PHYS 2203/2201. This course covers the principles of particular dynamics and rigid bodies. Topics include Newtonian mechanics, oscillating systems, conservation laws, rotations, and especially Lagrange's equations, and Hamilton's principles. Fall, alternate years.

**PHYS 4053. Quantum Mechanics.** Prerequisites: PHYS 2231/2211, MATH 3033. The course covers the basic ideas of quantum mechanics, which is the foundation and explanatory framework of much of modern physics. Solutions of Schrödinger's equation in one dimension, formalism, and postulates of quantum mechanics and solutions of Schrödinger's equation in three dimensions, in particular the hydrogen atom are all discussed. The students are expected to master problem-solving skills, learn about new mathematical techniques, and develop a conceptual understanding regarding the interplay between quantum mechanics and other areas of physics and the real world.

**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, and irrational and rotational flow. As needed.

**PHYS 4401. Physical Chemistry: Thermodynamics Lab.** Must be taken concurrently with PHYS 4403. Three hours per week. Same as CHEM 4401. Fall, alternate years.

**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. May be taken concurrently with BIOL 4402. As needed.

**PHYS 4403. Physical Chemistry: Thermodynamics Prerequisites:** CHEM 1123 and MATH 1525. A detailed study of the fundamental principles of chemical thermodynamics applied to equilibria, physical states, phase diagrams, electromotive force and solution phenomena. Three-hour lecture per week. Fall, alternate years.

**PHYS 4413. Physical Chemistry: Quantum and Kinetics.** Prerequisites: CHEM 1123 and MATH 1525. A detailed study of reaction kinetics, atomic structure and molecular structure. Spring, alternate years.

**PHYS 4411. Physical Chemistry: Quantum and Kinetics Lab.** Must be taken concurrently with PHYS 4413. Same as CHEM 4411. Spring, alternate years.

**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. As needed.

**PHYS 4791-3, 4891-3, 4991-3. Advanced Topics in Physics I, II, III.** Prerequisites: 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. As needed.

#### **Plant Science (PLSC)**

**PLSC 1003. Introduction to Plant Science.** Introduction to the principles of plant sciences, including genetics, physiology, nutritional requirements, growth, and the management of agronomic and horticultural crops and their products. Lecture three hours. Fall, spring.

**PLSC 2001. Principles of Horticulture Laboratory.** Must be taken concurrently with PLSC 2002. Laboratory three hours. Spring.

**PLSC 2002. Principles of Horticulture.** Prerequisites: PLSC 1003 and sophomore standing. A study of the basic principles underlying the propagation, production, and handling of horticultural crops. Lecture two hours. Spring.

**PLSC 2011. Soils Science Laboratory.** Must be taken concurrently with PLSC 2012. Laboratory two hours. Fall.

**PLSC 2012. Soils Science.** Prerequisites: PLSC 1003 and CHEM 1013/1011 or CHEM 1023/1021. Origin, classification, productiveness, and physical properties of soils. Lecture two hours. Fall.

**PLSC 2021. Elements of Forestry Laboratory.** Must be taken concurrently with PLSC 2022. Laboratory three hours. Fall.

**PLSC 2022. Elements of Forestry.** Prerequisite: PLSC 1003. General survey of the field of forestry. General knowledge and yield, products and utilization, and preservation. Lecture two hours. Fall.

**PLSC 3013. Forage Production.** Prerequisites: PLSC 2012/2011 and ANSC 2002/2001. Principles of forage crop production for pasture, hay, and silage. Course will cover growth and development, production, nutritional quality, utilization, and grazing interactions by herbivores.

**PLSC 3031. Greenhouse Management Laboratory.** Must be taken concurrently with PLSC 3032. Laboratory two hours. Fall, alternate years.

**PLSC 3032. Greenhouse Management.** Prerequisites: PLSC 2001/2002 and BIOL 2081/2083. Modern greenhouse construction, climate control, and management of commercial and home greenhouses. Identification, propagation, and study of major greenhouse plants. Lecture two hours. Fall, alternate years.

**PLSC 3041. Advanced Soils Science Laboratory.** Must be taken concurrently with PLSC 3042. Laboratory two hours. Fall, alternate years.

**PLSC 3042. Advanced Soils Science.** Prerequisites: PLSC 2012/2011. A study of the chemical, biological, and physical properties of the soil as they influence the uptake and utilization of essential nutrients of plants. A look at the microorganisms and their biochemical processes in the soil. Lecture two hours. Fall, alternate years.

**PLSC 3071. Entomology Lab.** Must be taken concurrently with PLSC 3073. Laboratory and field trips three hours. Same as BIOL 3071. Spring, even years.

**PLSC 3073. Entomology.** A study of the principle orders of insects with consideration of life cycles, economic importance, and methods of control. Same as BIOL 3073. Spring, even years.

**PLSC 3081. Plant Physiology Laboratory.** Must be taken concurrently with PLSC 3083. Laboratory two hours. Same as BIOL 3081. Spring, even years.

**PLSC 3083. Plant Physiology.** Prerequisites: BIOL 2081/2083 and CHEM 1113/1111 or BIOL 2081/2083 and CHEM 1123/1121. A study of the basic physiological processes of plant growth and metabolism. Same as BIOL 3083. Lecture three hours. Spring, even years.

**PLSC 4001. Weed Science Laboratory.** Must be taken concurrently with PLSC 4002. Laboratory two hours. Fall, even years.

**PLSC 4002. Weed Science.** Prerequisites: PLSC 2002/2001 and CHEM 1113/1111 or PLSC 2002/2001 and CHEM 1123/1121. A study of weeds as an economic pest occurring in both agronomic and non-agronomic situations including weed identification, ecology, growth and distribution, competition, and control. Lecture two hours. Fall, even years.

**PLSC 4021. Introduction to Plant Pathology Laboratory.** Must be taken concurrently with PLSC 4022. Laboratory two hours. Fall, odd years.

**PLSC 4022. Introduction to Plant Pathology.** Prerequisites: PLSC 2002/2001. An introduction to the basic concepts of plant diseases, their impact on agriculture, and their control focusing on the four major areas of plant pathology: viruses, bacteria, fungi, and nematodes. Lecture two hours. Fall, odd years.

**PLSC 4033. Agronomic Production.** Prerequisites: PLSC 2002/2001. Study of the production and management of economically important agronomic crops. Lecture three hours. Fall, even years.

**PLSC 4043. Plant Breeding.** Prerequisite: BIOL 3033/3031. Provide a broad overview of the science of plant breeding including new developments in molecular biology. This course will focus on the genetic improvement of crops by hybridization and selection as well as special breeding methods and techniques applicable to naturally self-pollinated, cross-pollinated, and asexually reproduced plants. Spring, odd years.

**PLSC 4501-4503. Special Problems in Plant Science.** Prerequisites: PLSC 2002/2001. A variable hour course individually designed for students who wish to conduct research in a specific area of Plant Science. One to three credit hours with a maximum of three credit hours towards degree. PLSC 4501 is repeatable for credit. Fall, spring, summer.

### **Poultry Science (POSC)**

**POSC 1001. Introduction to Poultry Science Lab.** Must be taken concurrently with POSC 1003. Lab two hours. Fall.

**POSC 1003. Introduction to Poultry Science.** Introduction to the principles of poultry sciences: broiler industry and egg industry, including nutrition, genetics, reproduction, growth, industry organization, processing, management and career opportunities. Lecture three hours. Fall.

**POSC 3013. Poultry Diseases and Health.** Prerequisites: POSC 1003/1001, ANSC 2002/2001, and CHEM 1023/1021 or CHEM 1123/1121. A study of disease and health of poultry including epidemiology of bacterial, viral and fungal diseases and vaccination strategies. Lecture three hours. Fall.

**POSC 3023. Poultry Nutrition.** Prerequisites: ANSC 2002/2001 and CHEM 1123/1121. A study of intake, digestion and metabolism of domesticated poultry. Lecture three hours. Spring.

**POSC 3041. Egg and Meat Technology Lab.** Must be taken concurrently with POSC 3042. Lab two hours. Spring.

**POSC 3042. Egg and Meat Technology.** Prerequisites: POSC 1003/1001. Exploring the technology and practices for processing table eggs and poultry meat products. Lecture two hours. Spring.

**POSC 4003. Avian Anatomy and Physiology.** Prerequisite: ANSC 2013. An in-depth study of the anatomy and physiology of domesticated poultry, with emphasis on the skeletal, musculature, cardiovascular, reproduction, growth, respiration, and renal and liver functions. Lecture three hours. Fall.

**POSC 4131. Poultry Production Lab.** Must be taken concurrently with POSC 4132. Lab two hours. Spring.

**POSC 4132. Poultry Production.** Prerequisites: POSC 3013, POSC 3023, POSC 3042/3041, ANSC 3053, ANSC 3042, ANSC 3041, and BIOL 3033. A capstone designed to integrate concepts of genetics, nutrition, and reproduction with management of domesticated poultry. Lecture two hours. Spring.

**POSC 4151. Poultry Breeder Management Lab.** Must be taken concurrently with POSC 4152. Lab two hours. Spring.

**POSC 4152. Poultry Breeder Management.** Prerequisites: POSC 1003/1001, POSC 3013, POSC 3023, ANSC 3053, and BIOL 3033. Exploring the technology and practices of the management of breeding stock of domesticated poultry. Lecture two hours. Spring.

### **Political Science (PSCI)**

**PSCI 2003. American Government: National.** A survey of the American National Government including the Constitution; structure and operation of the Presidency, Congress, and Judiciary; federalism; civil liberties; and politics in action. (ACTS-PLSC 2003) Fall, spring, summer.

**PSCI 2013. State and Local Government: Arkansas and the U.S.** A survey of government in the 50 states with special application to Arkansas and with emphasis on intergovernmental relationships; problems of the executive, legislative, and judiciary;

politics and elections; and local and metropolitan government. (ACTS-PLSC 2103)  
Spring, summer.

**PSCI 3003. International Relations.** A study of the global multi-state system's origins and future prospects, and an analysis of techniques and forces governing international relationships. Spring, odd years.

**PSCI 3011, 3111. Great Decisions.** Analysis and discussion of contemporary problems in American foreign policy. May be taken for credit a second time. As needed.

**PSCI 3033. American Political Parties.** The role and functions of political parties of the United States with emphasis on party membership, organizations, nominations and elections, suffrage and voter behavior, interest-group politics, and relations with the executive and judiciary. Fall, even years.

**PSCI 3053. Introduction to Public Administration.** A basic study of the methods, problems, and organization of public administration and of its relation to democratic government, including the problems of responsiveness and accountability. Spring, even years.

**PSCI 3063. Administrative Law.** 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. Spring, odd years.

**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. Spring, even years.

**PSCI 3113. Western Thought.** 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. Spring.

**PSCI 3123. Introduction to the Law.** This course is a general survey of law and the legal system of the United States. The course provides general coverage of all aspects of the law and legal system. The method of instruction includes both lecture and class discussion as well as outside research assignments. Spring, odd years.

**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. Fall.

**PSCI 3173. Modern South Asia.** A survey of South Asia since the Mughal Empire with emphasis on imperialism, nationalism, independence, and modernization. Spring, even years.

**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. Fall, even years.

**PSCI 3203. Immigration History Law.** This course surveys the history and geography of American immigration from the era of colonization to the present, the process of immigration and adaptation of immigrants to life in the United States, as well as reaction

to immigrants by American born citizens. Course examines how immigrants fit within the larger framework of the American identity and help define what it means to be "American." Fall.

**PSCI 3213. Eastern Thought.** A study of the principle currents of Eastern Thought and Religions with an emphasis on examination of the texts of selected philosophers, schools, and belief systems. Fall, even years.

**PSCI 3243. Modern American Politics.** A study of American Political development emphasizing the evolution of governing institutions, national parties, political culture, and interest groups since 1900. Cross referenced with HIST 3243. Fall, even years.

**PSCI 3303. History and Politics of Modern China.** An in-depth study of the political influences on Chinese history and the consequences of the decisions the nation made in the 19th and 20th centuries. Fall, odd years.

**PSCI 3313. History and Politics of Modern Japan.** An in-depth study of the political influences on Japanese history and the consequences of the decisions the nation made in the 19th and 20th centuries. Fall, even years.

**PSCI 3923. The American Presidency.** A study of the American presidency, emphasizing the historical development of the office, the presidential selection process, the roles of the president, presidential-departmental-congressional relationships, and the growth of presidential powers and responsibilities. Cross referenced with HIST 3923.

**PSCI 3933. History and Politics of the Middle East.** A survey of Middle Eastern history and politics with an emphasis on the 19<sup>th</sup> and 20<sup>th</sup> centuries. Same as HIST 3933. As needed.

**PSCI 4013. International Law.** This course is a general study of International Law, with special emphasis on the discipline of Public International Law. Fall, odd years.

**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. Fall. Spring, odd years.

**PSCI 4043. African American Politics.** A study of the experience of African Americans in politics in the United States. The course includes analysis of the civil rights movement as well as African American culture, political thought, and political participation on local, state, and national levels. Fall, even years.

**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. As needed.

**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, the role of the Supreme Court, federalism, national powers, and individual rights. Same as CRJU 4073. Spring, even years.

**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. Fall, even years.

**PSCI 4153. History of Economic Thought.** This course provides a survey of the development of economic theories. Particular emphasis is placed in developing an

understanding of the relationships among economic thought, political science, contemporary philosophy, and sociological issues. Cross-referenced with ECON 4153 and SOC 4153. Spring, even years.

**PSCI 4203. Comparative Politics.** A study of governing processes, policies, and contemporary political problems, comparing political systems around the world. Fall, alternate years.

**PSCI 4333, 4343. Advanced Topics in Political Science.** Advanced topics in political science as chosen by the faculty. Repeatable for credit up to six hours with a different course topic. As needed.

**PSCI 4353. Senior Paper Research.** Prerequisite: Senior standing and the consent of the department chair and instructor. Undergraduate research and writing of a senior paper. This course provides a capstone research experience. Although supervised by an instructor, it is expected that a student enrolled in this course is able to work independently on a comprehensive research paper, requiring extensive investigation and producing original research. This course may not be used to satisfy the requirements of the 36-hour political science major. As needed.

**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. Fall, spring, summer.

#### **Psychology (PSYC)**

**PSYC 2003. General Psychology.** 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. (ACTS-PSYC 1103) Fall, spring, summer.

**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 settings. Fall.

**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. Fall.

**PSYC 3123. Child Psychology.** 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. Spring.

**PSYC 3153. Research Methods.** Prerequisite: PSYC 3183. A study of statistical methods, basic experimental procedures and designs, laboratory apparatus, and the treatment of experimental data. Same as SOC 3153. Fall, spring.

**PSYC 3183. Statistics.** Prerequisite: MATH 1023 or MATH 1053. Descriptive and elementary analytical statistics, their concepts, and their application. Same as CRJU 3183, SOC 3183, and SWK 3183. Fall, spring, summer.

**PSYC 3191/4191. Advanced Topics for Individual Study.** Individuals will study advanced topics in psychology and the social sciences as selected by faculty members. As needed.



**PSYC 3223. Developmental Psychology.** A comprehensive survey of human growth, maturation, and development, over the life span. (ACTS-PSYC 2103) Fall, spring, summer.

**PSYC 3303. Cognitive Science.** An introduction to the conceptual bases of cognitive science, including topics from psychology, linguistics, ethology, and artificial intelligence. Spring.

**PSYC 4003. Domestic Violence.** Examination of the causes, effects and legal aspects of domestic violence. Intervention techniques and prevention programs will also be studied. Same as CRJU, SOC, and SWK 4003. Summer.

**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. Spring.

**PSYC 4023. Industrial and Organizational Psychology.** A consideration of the application of psychology to such areas as personnel work, human engineering, motivation, job satisfaction, leadership, and organizational structure. Fall, odd years.

**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. Fall.

**PSYC 4043. History and Systems of Psychology.** Prerequisite: PSYC 2003. A study of the historical foundations of and the unifying principles and theories in modern psychology. Spring.

**PSYC 4053. Theories of Personality.** Prerequisite: PSYC 2003. A study of the personality theories of Freud, Jung, Murray, Allport, Rogers, and others. Spring.

**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. Spring.

**PSYC 4073. Learning.** Prerequisite: PSYC 2003. A study of the principles and problems of learning with consideration of major empirical findings and their theoretical interpretations. Fall.

**PSYC 4083. Adolescent Psychology.** A study of the physical and mental growth of youth from emerging adolescence (middle school) through adolescence (high school) and the transition from childhood to adulthood. Effective learning and teaching strategies for the adolescent are emphasized. Fall.

**PSYC 4093. Career Planning 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. Fall.

**PSYC 4113, 4213. Advanced Topics in Psychology.** Advanced topics in psychology as chosen by the faculty. Repeatable for credit up to six hours with a different course topic. As needed.

**PSYC 4133. Introduction to Counseling Theories.** Prerequisite: PSYC 2003 General Psychology. This course focuses on the study of counseling theories of Freud, Rogers,

Beck, and others. This course also introduces students to basic ethical principles related to counseling and will aid the student in learning about the counselor/client relationship. Additionally, this course will include an introduction to counseling skills. Spring.

**PSYC 4163. Child Psychopathology.** This advanced level course focuses on the etiology, classification, and treatment of the child and adolescent psychological disorders that are most frequently encountered by professionals in mental health and educational settings. This course also introduces students to the primary classification system used in diagnosing psychological disorders and limitations of the system. Same as SWK 4163. Spring.

**PSYC 4873. Honors Seminar.** Prerequisite: 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 as needed. The research project must be presented publically. As needed.

**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. As needed.

#### **Recreation (REC)**

**REC 2710. Organization and Administration of Intramural Sports Lab.** To accompany REC 2712. Spring.

**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. Spring.

**REC 2723. Fall Outdoor Recreational Activities.** Provides the student with knowledge and skill in the activities of backpacking, hiking, and hunting. Safety rules and survival tips.

**REC 2733. Spring Outdoor Recreational Activities.** Provides the student with knowledge and skill in the activities of fishing, camping, and orienteering/navigation tips. Safety rules, navigation tips, and fishing techniques are stressed.

**REC 3052. Officiating Fall Sports.** Prepares students to officiate competitive football, volleyball and soccer. Detailed coverage of sport rules and mechanics of officiating will be stressed. This course prepares students to take the examination administered by rating boards. Fall. Summer, odd years, as needed.

**REC 3062. Officiating Spring Sports.** Prepares students to officiate competitive basketball, baseball and softball. Detailed coverage of sport rules and mechanics of officiating will be stressed. This course prepares students to take the examination administered by rating boards. Spring. Summer, even years, as needed.

**REC 3613. School and Community Recreation.** 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. Fall. Summer, even years.

**REC 3623. Psychology of Sports.** The in-depth study of parameters of human behavior as related specifically to sport including motivational technique, personality factors, arousal, expectancy effects, group dynamics, leadership, aggression, burnout, and athletic injuries.

**REC 3633. Sport Promotion and Financial Management.** This course will provide students theoretical foundations for effective sport promotion and financial issues such as sport consumerism, ticketing practices, sport sponsorship, sport licensing and e-commerce. Spring, even years.

**REC 3642. Camping and Camp Counseling.** 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 camp craft skills. A weekend camp workshop experience will be included in the course. Spring.

**REC 3653. Leadership in HKR.** A study of the philosophy and fundamental principles of effective recreational leadership in programs for private, public, and institutional settings. Fall.

**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. Spring semester. Spring. Summer, odd years.

**REC 4003. Facility and Event Management.** Survey of development, organization, and management of sport facilities and sporting events with a focus on meeting program needs and challenges.

**REC 4013. Legal and Ethical Issues in Sports.** A course designed to acquaint the undergraduate major with legal and ethical parameters and expand students' understanding of sport law issues.

**REC 4652. Recreation Practicum I.** Prerequisites: Junior standing or consent of instructor. A course devoted to providing opportunities for the student to gain practical experience in leisure programming. Experience in directing activities of participants through work in an approved area agency. Fall, spring.

**REC 4663. Recreation Practicum II.** As needed.

**REC 4676. Recreation Internship.** Prerequisites: Senior standing and satisfactory completion of REC 4652. This course provides an internship experience for the student in an approved area agency. The experience will be specific to student needs in terms of their professional goals. The REC 4676 Internship handbook provides specific information and requirements for the completion of this course. Fall, spring.

#### **Russian (RUSS)**

**RUSS 1003. Modern Russian I.** An introductory course in contemporary Russian concentrating on speaking proficiency. As needed.

**RUSS 1013. Modern Russian II.** A course in contemporary Russian concentrating on speaking proficiency. Continuation of RUSS 1003 Modern Russian I. As needed.

**RUSS 2003. Russian Studies I.** A course of directed readings on contemporary Russia associated with a month's residence in Moscow. As needed.

**RUSS 3003. Russian Studies II.** Independent studies. A course associated with a month's residence in Moscow. As needed.

**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 College of Education.*

**S ED 3003. The Secondary and Middle School Curricula.** A study of concepts and theories of The 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. Fall, spring.

**S ED 3013. Methods and Materials in Secondary and Middle School English and Speech.** Prerequisite: Permission of the director of field experience and the instructor. Special materials, software, and techniques for the teaching of English and speech. Must be taken concurrently with S ED 4023 Supervised Field Experience Level II. Spring, even years.

**S ED 3113. Methods and Materials in Secondary and Middle School Mathematics and Sciences.** Special materials and techniques for the teaching of mathematics and science. Must be taken concurrently with S ED 4023: Supervised Field Experience Level II. Fall.

**S ED 3313. Methods and Materials in Secondary and Middle School Social Studies.** Special materials and techniques for the teaching of social studies. Must be taken concurrently with S ED 4023: Supervised Field Experience Level II. Fall.

**S ED 4006. Student Teaching in the Secondary School I.** Prerequisite: Unconditional admission to the Educator Preparation Program. Fifteen week experience. Students may be assigned to the grade level of their programs of study, or a combination of grade levels if seeking K-12 licensure. The candidates' culminating experiences involve developing and delivering comprehensive unit plans including the associated assignments that provide evidence of their impact on all learners taught within the demonstration units. Fall, spring.

**S ED 4023. Supervised Field Experience Level II.** Prerequisite: Unconditional admission to the Educator Preparation Program. A planned, supervised pre-student teaching experience in the classroom or appropriate school setting. One hour per week class and 48 hours per semester working in the assigned school setting. Must be taken concurrently with methods and materials class. A minimum of one piece of evidence demonstrating proficiency in Conceptual Framework Dispositions and one piece of evidence demonstrating Conceptual Framework Competencies required for inclusion in the EPP Portfolio in LiveText. Fall, spring.

**S ED 4103, 4016. Student Teaching in the Secondary School II.** Prerequisite: Unconditional admission to the Educator Preparation Program. Fifteen week experience. Students may be assigned to the grade level of their program of study, or a combination of grade levels if seeking K-12 licensure. The candidates' culminating experience involves developing and delivering comprehensive unit plans including the associated

assessments that provides evidence of their impact on all learners taught within the demonstration units. Fall, spring.

### **Science (SCI)**

**SCI 3003. Geographic Information Systems for the Sciences.** Prerequisites: MATH 1023 or higher. Geographic information systems (GIS) use computers to capture, store, retrieve, analyze, manipulate and display spatial data. This course introduces students to GIS, with an emphasis on environmental applications. A hands-on approach is taken, and the majority of the course is devoted to developing skills in using GIS to solve biogeoscience, chemistry (environmental) and agriculture problems. Includes image processing, cartographic modeling, map algebra, multi-criteria evaluation, multiple regression, and biogeostatistics. Three hours lecture per week. Fall. Spring, as needed.

**SCI 3101 Pre-Health Colloquium:** Prerequisites: 9 hours of chemistry or biology. Junior standing required. As needed.

### **Supply Chain Management (SCM)**

**SCM 3033. Supply Chain Management Technology.** Supply Chain Management is an essential part of a firm's strategy to gain competitive advantage. New innovations in technology, processes, and software are rapidly transforming the way firms use information to create a coordinated supply chain, make supply chain decisions, and execute these decisions effectively. This course will examine these innovations and how they are transforming the methods and effectiveness of Supply Chain Management in the global economy.

**SCM 3043. Business Analytics.** Prerequisite: IS 3013 and GBUS 3183. This course provides an introduction to the field of business analytics, which has been defined as the extensive use of data, statistical and quantitative analysis, exploratory and predictive models, and fact-based management to drive decisions and actions. The course uses various software systems to aid in data analysis. Spring.

**SCM 3053. Project Management.** The course covers key components of project management including project organization, project definition, project time and cost management, project duration, outsourcing, monitoring progress, project closure, project management software, and risk management. Spring.

**SCM 3983. Business Internship in Supply Chain Management.** Prerequisite: Junior standing and approval of the Internship Committee. A structured field experience relevant to supply chain management. Each internship is designed to provide a representative and meaningful learning experience for the participating student. Fall, spring.

**SCM 4073. Supply Chain Management.** A senior level course for marketing and management majors. The course reflects the importance of supply chains and channels of distribution in today's business environment. Spring.

**SCM 4053. Environmentally Sustainable Practices.** This course examines the best practices in the supply chain area. It emphasizes environmental sustainability as a strategic imperative in building SCM best practices. It explores the role of information technology in enabling the practices to remain sustainable from an environmental perspective. Investigating the impact of bad practices and measuring the success of good practices will also be included. Spring.

### **Sport Management (SM)**

**SM 2003. Introduction to Sport Management.** This course is designed to provide the student with information on trends, best practices, and foundational principles in sport management. The historical development of sports management, current curriculum, and career opportunities will be emphasized. Fall.

**SM 2013. Critical Issues in Sport Management.** This course provides students with an overview of critical issues in sport management by presenting extensive discussions of past and current topics from the field. Student will learn of relevance of sociological, cultural, historical, political, psychological, and legal concepts to the management of sport; the necessary professional skills and attitudes of sport managers; and ways in which the globalization of sport continues to affect sport management professions. Spring.

**SM 3103. Sport Information Management.** This course is designed to provide an overview of the main components of managing information as a sport information professional. Publicity, communication channels, media relations, and electronic record keeping will be emphasized. Fall, odd years.

**SM 3313. Sports Marketing.** This course is designed to provide the student with current marketing principles as they relate to the diverse and growing field of sports. An in-depth look at marketing practices, procedures, and operations within the wide variety of sport level. Fall.

**SM 3323. Instructional Techniques in Coaching.** This course examines principles and methods of instruction in the coaching profession. Communication, planning, and developing a team; player development and player evaluation will be emphasized. Fall, even years.

**SM 3623. Psychology of Sports.** The in-depth study of parameters of human behavior as related specifically to sport including learning theories, motivational technique, personality factors, arousal, expectancy effects, group dynamics, leadership, aggression, burnout, and athletic injuries. Spring.

**SM 3633. Sport Promotion and Financial Management.** This course will provide students theoretical foundations for effective sport promotion and financial issues such as sport consumerism, ticketing practices, sport sponsorship, sport licensing and e-commerce. Spring, even years.

**SM 4003. Faculty and Event Management.** Survey of development, organization, and management of sport facilities and sporting events with a focus on meeting program needs and challenges. Fall.

**SM 4013. Legal and Ethical Issues in Sports.** A course designed to acquaint the undergraduate major with legal and ethical parameters and expand students' understanding of sports laws. Cross reference with REC 4013. Fall.

**SM 4333. Sports Governance.** This course will look at the governance structure that exists at multiple levels in both amateur and professional sports. Sports organizations that administer rules and regulations will be studied in term of their mission, structure, and function. Current policy issues and ethical questions will be explored. Fall, odd years.

**SM 4652. Sport Management Practicum.** Prerequisites: Junior or senior standing in HKR and consent of chair. A course devoted to providing opportunities for the student

to gain practical experience in their emphasis area in sport management. Practicum site must be approved by instructor. Fall, spring.

**SM 4676. Sports Management Internship I.** Prerequisites: Senior standing and successful completion of SM 4652. This course provides an internship experience for the student in an approved agency. The experience will be specific to student needs in terms of their professional goals. The Sport Management Handbook provides specific information and requirements for the completion of this course. Fall, spring, summer.

**SM 4686. Sport Management Internship II.** The course provides an internship experience for the student in an approved area agency. The experience will be specific to students needs in term of their professional goals. The Sport Management Internship handbook provides specific information and requirements for the completion of the course. Fall, spring, summer.

### **Sociology (SOC)**

**SOC 1003. Introduction to Cultural 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. Same as ANTH 1003. (ACTS-ANTH 1013) Spring.

**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. (ACTS-SOCI 1013) Fall, spring.

**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. Fall, spring, summer.

**SOC 3013. Social Problems.** A sociological study of societal problems including social inequity, institutional abuse of power, population and environment, social deviance, race relations, crime, and others. Spring, summer.

**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, etc.

**SOC 3043. Approaches to Archaeology.** 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. Same as ANTH 3043. As needed.

**SOC 3053. Juvenile Justice.** This course is designed to educate students concerning juvenile justice issues and explores how society responds to juvenile crime. Students will evaluate programs and processes that exist in the juvenile system; the roles of the police, courts, and corrections; and prevention efforts in schools and community-based systems. Additionally, students develop an understanding of the historical roots of juvenile justice and its evolution to present-day practice. Fall.

**SOC 3143. Anthropology: The North American Indian.** The archaeology, 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 ANTH 3143 and HIST 3143. As needed.

**SOC 3153. Research Methods.** Prerequisite: SOC 3183. A study of statistical methods, basic experimental procedures and designs, laboratory apparatus, and the treatment of experimental data. Same as CRJU 3153, PSYC 3153 and SWK 3153. Spring.

**SOC 3183. Statistics.** Prerequisites: MATH 1023 or MATH 1053. Descriptive and elementary analytical statistics, their concepts, and their application. Same as CRJU 3183, PSYC 3183, and SWK 3183. Fall, spring, summer.

**SOC 4003. Domestic Violence.** Examination of the causes, effects and legal aspects of domestic violence. Intervention techniques and prevention programs will also be studied. Same as CRJU, PSYC, and SWK 4003. Summer.

**SOC 4043. Sociological Theory.** Prerequisites: SOC 2003 and senior standing or consent of instructor. A selected study of past and present sociological thinkers including A. Comte, K. Marx, M. Weber, E. Durkheim, G. Mead, P. Sorokin, C. W. Mills, R. Merton, H. Becker, P. Berger, and others. As needed.

**SOC 4053. Criminology.** Prerequisite: 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. Spring.

**SOC 4063. Social Psychology.** Prerequisite: 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. Spring.

**SOC 4073. Social Gerontology.** Prerequisite: 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. Fall.

**SOC 4133, 4233. Advanced Topics in Sociology.** A course devoted to special topics in sociology not treated in other sociology courses. Repeatable for credit up to six hours with a different course topic. Spring.

**SOC 4143. Victimology.** An introduction to victimology with special emphasis on family violence, sexual violence, child abuse, homicide, criminal justice system, victim compensation, victim rights and issues. Same as CRJU 4143. Fall, odd years.

**SOC 4153. History of Economic Thought.** This course provides a survey of the development of economic theories. Particular emphasis is placed in developing an understanding of the relationships among economic thought, political science, contemporary philosophy, and sociological issues. Same as ECON 4153 and PSCI 4153. Spring, even years.

**SOC 4303. Sociology of Work.** This course is designed to offer a critical examination of work from the sociological perspective. The changing structure of work and the organization of the workplace are addressed in relation to shifts in economic and social structures. As needed.



**SOC 4313. Community and Identity.** The goal of this course is to address the concept of community and to critically examine how current economic and social trends impact perceptions of individual and communal identity. We will be asking if there are various levels of “community,” why some smaller communities struggle so hard to remain viable, what policies or strategies create and sustain communities, and how communities adapt to cultural and ethnic change. As needed.

**Spanish (SPAN)**

**SPAN 1013. Elementary Spanish I for Professions.** This course varies in its topics to provide a foundation which could be applied in various professional settings – medicine, law enforcement, education, or business. This course presents students with terminology, grammar, and extensive aspects of the Spanish-speaking culture. As needed.

**SPAN 1023. Elementary Spanish II for Professions.** Prerequisites: SPAN 1013 or SPAN 1053. Continuation of Elementary Spanish I for Profession, this course varies in its topics to provide a foundation of Spanish knowledge, which could be applied in various professional settings – medicine, law enforcement, education or business. The course presents students with terminology, grammar and extensive aspects of the Spanish-speaking culture. As needed.

**SPAN 1053. Elementary Spanish I.** 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. (ACTS-SPAN 1013) Fall, spring.

**SPAN 1063. Elementary Spanish II.** Prerequisites: SPAN 1013, SPAN 1053, or the equivalent. 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. (ACTS-SPAN 1023) Fall, spring.

**SPAN 2033. Intermediate Spanish I.** Prerequisites: SPAN 1023, SPAN 1063 or placement exam. Continues with the development of both receptive and productive skills simultaneously. Readings and discussions. Spanish is used in this course and reinforced with clarification in English. (ACTS-SPAN 2013) Fall, spring.

**SPAN 2043. Intermediate Spanish II.** Prerequisites: SPAN 2033 or placement exam. A continuation of SPAN 2033, enhances the development of both receptive and productive skills simultaneously. Readings and discussions. Spanish is used in this course and reinforced with clarification in English. (ACTS-SPAN 2023) Fall, spring.

**SPAN 2053. Spanish for Heritage Speakers I.** Prerequisite: Spanish comprehension and speaking ability. This course is designed for heritage speakers of Spanish who can understand and converse in Spanish but need formal language instruction to better understand the structures that lie behind their intuitive knowledge of Spanish. This course develops and/or enhances all four language skills: reading, writing, speaking, and understanding, with special attention to diction, orthography, and sentence structure. The course will also utilize cultural readings from Spanish-speaking authors of the United States and Latin America. The course meets the same degree requirements as SPAN 2033. Students may not receive credit for both SPAN 2033 and SPAN 2053. As needed.

**SPAN 2063. Spanish for Heritage Speakers II.** Prerequisites: Spanish comprehension and speaking ability, and SPAN 2053. This course is a continuation of SPAN 2053. The course meets the same degree requirements as SPAN 2043. Students may not receive credit for both SPAN 2043 and SPAN 2063. As needed.

**SPAN 3003. Advanced Spanish for Professions.** Prerequisite: SPAN 2043. This course is designed to be a variable topics course so that a specialized advanced-level of Spanish language knowledge could be applied on a daily basis in the context of various professional settings. 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 and is designed for business and finance, medicine, law enforcement, and education. As needed.

**SPAN 3013. Spanish Translation I.** Prerequisite: SPAN 2043. This is an introductory course in Spanish/English translation, covering a variety of registers: commercial advertisements; letters; literary and journalistic pieces; and legal, medical, real estate, and technical documents. The course will cover translation as a profession, including such issues as the training needed, the job opportunities, standard business practices, and freelance versus staff employment. It will also cover aspects of linguistics, lexicography and terminology, translation theory, and the professional code of ethics. Extensive practice in translation and interpretation will be provided. As needed.

**SPAN 3023. Spanish Translation II.** Prerequisite: SPAN 3013. This advanced course in Spanish/English translation further develops students' linguistic competence in Spanish language, culture, and grammar to enable them to do professional translations of a variety of texts. Students will translate specialized texts from such fields as finance, business, law, journalism, literature, medicine, science, marketing, and technology. Students will gain more extensive knowledge of professional aspects of translation and an advanced understanding of linguistics, vocabulary and terminology, translation theory, and the professional code of ethics. Extensive practice in translation will be provided. As needed.

**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. Fall, odd years.

**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. As needed.

**SPAN 3183. Spanish American Literature I.** Prerequisite: SPAN 2043. This course is cross-listed with ENGL 3183. A study of representative works in prose and poetry from the pre-Colombian period through Hispanic post-modernism. Readings will include indigenous literature of the Mayas, Aztecs, and Incas; the chronicles and letters of Christopher Columbus and Hernán Cortés, and works by later writers such as Sor Juana Inés de la Cruz, Ricardo Palma, José Hernández, and modernist poets: José Martí, Julián del Casal, Alfonsina Storni, and Rubén Darío. Attention will be given to socio-political conditions as a major force. As needed.

**SPAN 3193. Spanish American Literature II.** Prerequisite: SPAN 2043. This course is cross-listed with ENGL 3193. A continuation of SPAN 3183, covering major literary movements in Latin America from the 1820s to the present. Through the study of prose and poetry, students will be exposed to the social, artistic, and historical aspects of Latin America that these works evoke. The works of such authors as Jorge Luis Borges, Laura Esquivel, Gabriel García-Márquez, Rosario Ferré, Alejo Carpentier, Carlos Fuentes,

Rosario Castellanos, Mayra Santos-Febres, Luis Rafael Sánchez, and others will be examined in this course. This course is taught in Spanish. Spring, odd years.

**SPAN 3323. Spanish–English Interpretation I.** Prerequisite: SPAN 2043. An introductory course in the art of oral translation, the class will enable students to gain a basic to intermediate level of competence in simultaneous interpretation from one language to another, i.e., listening to one language while saying the same thing in the target language. Students will learn the fundamentals of consecutive interpreting through multiple assignments and activities which may call upon them to interpret for “real” clients, such as doctors and patients in hospitals and clinics, law enforcement personnel, attorneys and judges, court case trials, community members, guest speakers, and panel discussions. As needed.

**SPAN 3333. Spanish–English Interpretation II.** Prerequisite: SPAN 3323, professional experience in legal interpreting, or permission of the instructor. An advanced course in legal interpretation (Spanish/English). This course provides an in-depth look at the practice of court interpreting in criminal procedures, civil litigation, and immigration hearings. Linguistic and cognitive processes during interpretation will be studied and analyzed with emphasis on identifying strategies for memory, accuracy, and speed development. Intensive practice in all modes of interpretation will be conducted with authentic materials. Political and historical issues affecting the profession will be discussed and the interpreter’s code of ethics will be examined in detail. As needed.

**SPAN 3873. Spanish Internship I.** Prerequisite: SPAN 2043 or its 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, strengthen future professional skills, and gain a competitive edge in the job market. As needed.

**SPAN 3883. Spanish Internship II.** Prerequisite: SPAN 2043 or its 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, strengthen future professional skills, and gain a competitive edge in the job market. May be taken concurrently with or subsequent to SPAN 3873. As needed.

**SPAN 3973. Hispanic Linguistics.** Prerequisite: SPAN 2043 or its equivalent. Introduction to all the major branches within the field of Hispanic linguistics: phonetics and phonology; morphology; syntax and discourse analysis; semantics; historical linguistics; dialectology; Spanish in the U.S. This course is taught in Spanish. Spring, even years.

**SPAN 3993. Advanced Spanish Grammar.** Prerequisite: SPAN 2043 or consent of instructor. A course of comprehensive and intensive study of prescriptive Spanish grammar, including most aspects of Spanish grammar, such as phonetics, phonology, morphology, orthography, pragmatics, semantics, and syntax. The focus will be on syntax, as well as on those aspects of the language that students find most problematic. This course is taught in Spanish. Fall, even years.

**SPAN 4513. Spanish Civilization.** Prerequisite: SPAN 2043 or its equivalent. A study of the most significant aspects of the 3,000 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. As needed.

**SPAN 4623. Spanish-American Civilization.** Prerequisite: SPAN 2043 or its equivalent. A study of the intellectual heritage beginning with the indigenous Indian cultures in the New World, and major problems that confront Latin America. This course is taught in Spanish. Spring, odd years.

**SPAN 4813. Spanish Literature I.** Prerequisite: SPAN 2043 or its equivalent. This course is cross-listed with ENGL 4813. Representative works of writers such as Cervantes, Garcilaso de la Vega, Fray Luis de León, Lope de Vega, Calderón de la Barca, and others. Lectures, discussions, oral and written analyses, and a term paper. This course is taught in Spanish. As needed.

**SPAN 4823. Spanish Literature II.** Prerequisite: SPAN 2043 or its equivalent. This course is cross-listed with ENGL 4823. This course will introduce students to the major writers and literary movements of Spain from the 18th century through the 20th century. Representative works of writers such as Fray Benito Jerónimo Feijóo, Leandro Fernández de Moratín, José de Espronceda, Gustavo Adolfo Bécquer, Rosalía de Castro, Benito Pérez Galdós, Emilia Pardo Bazán, Miguel de Unamuno, Antonio Machado, José Ortega y Gasset, Federico García Lorca, Rafael Alberti, Luis Cernuda, Rosa Chacel, Ernestina de Champourcin, Concha Méndez, Camilo José Cela, Carmen Laforet, Ana María Matute and Alfonso Sastre. This course is taught in Spanish. Spring, even years.

**SPAN 4923. Special Topics: Spanish Studies.** Prerequisite: SPAN 2043 or its equivalent. A variable topics course in Spanish-American literature, culture, language, or civilization. This course is taught in Spanish. As needed.

**SPAN 4933. Special Topics: Spanish and American Studies:** Prerequisite: SPAN 2043 or its equivalent. A variable topics course in Spanish literature, culture, language, or civilization. This course is taught in Spanish. As needed.

**SPAN 4943. Spanish Workshop.** Prerequisite: SPAN 2043 or its equivalent. Workshop in Spanish, addressing special needs and circumstances, providing an intensive immersion experience. As needed.

**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. The class is for upper-division Spanish credit. The readings will be in Spanish, and class discussions will be in English. Offered concurrently with MCUL 4993; students cannot receive credit for both MCUL 4993 and SPAN 4993. As needed.

#### **Speech (SPCH)**

**SPCH 1113. Introduction to Public Speaking.** Principles of effective speaking; emphasis on both transmission and reception of the communicative process; the speaking mechanism and delivery. (ACTS-SPCH 1003) Fall, spring. Summer, as needed.

**SPCH 3123. Advanced Public Speaking.** Prerequisite: SPCH 1113. Focus on enhanced preparation and delivery of major types of public addresses, as well as oral reports appropriate to group discussion and parliamentary procedure. Effective utilization of multi-media speech aids will be stressed. Spring, as needed.

**SPCH 3413. Argumentation and Debate.** Prerequisite: SPCH 1113. Designed to develop advanced research techniques, critical thinking and analysis, and applied

argumentation and persuasive skills. Course also includes practice for competitive debates and presentation. Fall, as needed.

#### **Special Education (SPED)**

**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. Fall, spring.

**SPED 4043. Inclusive Education.** Prerequisite: Admission to Teacher Education. Concentrated study and application of the theoretical approaches concerning the child with special needs in the inclusive classroom. A focus will be placed on the use of differentiation as an instructional technique to address the needs of all students. Fall.

**SPED 4073. Survey of Exceptional Individuals.** A general survey of exceptional individuals from 0-21 years, and an introduction to special education. Fall, spring.

#### **Social Work (SWK)**

**SWK 2043. Introduction to Social Work.** Generalist social work practice with application in a variety of 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, (3) special populations and concerns in social work, and (4) completion of 30 volunteer hours at an approved site. Fall, spring.

**SWK 2053. Community Service Learning Experience.** Designed to provide an overview of the practice of social work through a service project and traditional classroom-based methods. Offered to prospective social work majors. As needed.

**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. Fall, spring.

**SWK 3023. Human Behavior in the Social Environment I.** Prerequisite or corequisite: 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. Fall.

**SWK 3033. Human Behavior in the Social Environment II.** Prerequisite or corequisite: 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. Spring.

**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. As needed.

**SWK 3113. Social Policy.** Prerequisites: SWK 2043 and PSCI 2003. Prerequisite or corequisite: SOC 3013. 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. Spring.

**SWK 3123. Social Work Practice I.** Prerequisites: SWK 3023, PSYC 2003, BIOL 1043/1041, and SOC 2003. Prerequisite or corequisite: 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. Spring.

**SWK 3133. Ethics.** Prerequisite: SWK 3123, SWK 4123, and SWK 4223. This course examines the methods used by the social workers when advocating for individuals, groups, and communities. Special attention is given to the role of ethics in advocacy. Both case and cause advocacy are considered. Spring.

**SWK 3143. Child Maltreatment Theory.** A focus on the understanding of theories and research in child maltreatment and the identification of individual and systems risk of protective factors related to child maltreatment. An examination of the types of child maltreatment and their effects on the emotional, social, and intellectual development of the child. Instruction will include lecture and class discussion. Analysis of individual and systems factors in child maltreatment case studies is required. As needed.

**SWK 3153. Research Methods.** Prerequisite: SWK 3183. A study of statistical methods, basic experimental procedures and designs, laboratory apparatus, and the treatment of experimental data. Same as PSYC 3153 and SOC 3153. Fall, spring.

**SWK 3183. Statistics.** Prerequisite: MATH 1023 or MATH 1053. Descriptive and elementary analytical statistics, their concepts, and their application. Same as CRJU 3183, PSYC 3183, and SOC 3183. Fall, spring, summer.

**SWK 3203 Crisis Intervention:** Designed to provide guidelines of intervention in order to promote self-growth and self-realization. As needed.

**SWK 4003. Domestic Violence.** Examination of the causes, effects and legal aspects of domestic violence. Intervention techniques and prevention programs will also be studied. Same as CRJU, PSYC, and SOC 4003. Summer.

**SWK 4053. Critical Issues in Social Work.** Introduces students to critical social work issues and to their impact upon individuals, families and communities. As needed.

**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. Fall.

**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. Fall.

**SWK 4093. Grant Writing.** This course is designed to provide the student with a comprehensive and in-depth understanding of the grant writing process. Emphasis will be placed upon how to secure federal, state, and private funds for elementary and secondary education programs, including counseling related programs. The course will address the basic components and supporting topics needed to prepare a grant application that can be successful in a funding competition. As needed.

**SWK 4121. Social Work Field Practicum Seminar I.** Corequisite: SWK 4844. 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 topics. An in-depth case presentation from the field will be required. Fall, spring.

**SWK 4123. Social Work Practice II.** Prerequisites: SWK 3123, SWK 3033, and 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. Fall.

**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. Fall, spring.

**SWK 4163. Child Psychopathology.** This advanced level course focuses on the etiology, classification, and treatment of the child and adolescent psychological disorders that are most frequently encountered by professionals in mental health and educational settings. This course also introduces students to the primary classification system used in diagnosing psychological disorders and limitations of the system. Same as PSYC 4163. Spring.

**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. As needed.

**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. As needed.

**SWK 4221. Social Work Field Practicum Seminar II.** Prerequisites: SWK 4121 and SWK 4844. Corequisite: SWK 4854. 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 topics. An in-depth case presentation from the field will be required. Fall, spring.

**SWK 4223. Social Work Practice III.** Prerequisite or corequisites: SWK 3123 and 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. Spring.

**SWK 4844. Social Work Field Practicum I.** Prerequisite: SWK 3123. Corequisite: SWK 4121. Field study designed to provide students with an understanding of the practice of social work in varied settings and populations. This course requires placement in a public or private agency or institution and the completion of 240 hours of service to the agency or institution. Students will be given supervision as they synthesize knowledge, theory, and practice in a generalist practice model in direct social work within a social work setting. SWK 4844 Social Work Field Practicum I must be taken in the semester/term immediately prior to SWK 4854 Social Work Field Practicum II. Fall, spring.

**SWK 4854. Social Work Field Practicum II.** Prerequisites: SWK 4121 and SWK 4844. Corequisite: SWK 4221. Field study designed to provide students with an understanding of the practice of social work in varied settings and populations. This course requires placement in a public or private agency or institution and the completion of 240 hours of service to the agency or institution. Students will be given supervision as they synthesize knowledge, theory, and practice in a generalist practice model in direct social work within a social work setting. SWK 4854 Social Work Field Practicum II must be taken in the semester/term immediately following to SWK 4844 Social Work Field Practicum I. Fall, spring.

**Theatre Dance (THDA)**

**THDA 1002. Ballet I.** The purpose of this course is to introduce students to the fundamental technical applications and terminology of classical ballet. Each class session will use the traditional format of barre exercise and center floor practice. Daily participation in all physical class work is required including reading and writing assignments/examinations; physical assignments, projects, and examinations; some choreographic/principles/process; attendance of selected performances and master classes/workshops; and open discussions of self-expressed observations and opinions, ideas and concepts on dance as an art form. Through this approach, students will begin to actively apply a conscious knowledge of dance as it relates to humanity, tradition and social, philosophical and emotional perspectives. Fall, even years.

**THDA 1102. Ballet II.** Prerequisite: THDA 1002. The purpose of this course is to introduce students to the fundamental technical applications and terminology of classical ballet. Each class session will use the traditional format of barre exercise and center floor practice. Daily participation in all physical class work is required including reading and writing assignments/examinations; physical assignments, projects, and examinations; some choreographic/principles/process; attendance of selected performances and master classes/workshops; and open discussions of self-expressed observations and opinions, ideas and concepts on dance as an art form. Through this approach, students will begin to actively apply a conscious knowledge of dance as it relates to humanity, tradition and social, philosophical and emotional perspectives. Spring, odd years.

**THDA 2002. Modern Dance I.** This course focuses on the fundamentals of the Graham, Duncan, and Horton Techniques of modern dance. Students will learn, through the use of the Lester Horton Technique, the proper approach to build strength, agility, and flexibility. Fall, odd years.

**THDA 2102. Modern Dance II.** Prerequisite: THDA 2002. Building on skills learned in THDA 2002, this course focuses on the fundamentals of the Graham, Duncan, and Horton Techniques of modern dance. Students will learn, through the use of the Lester Horton Technique, the proper approach to build strength, agility, and flexibility. Spring, even years.

**THDA 3002. Jazz Dance I.** This course focuses on the fundamentals of the Dunham, Luigi, Giordano, and Fosse Techniques of jazz dance. Fall, even years.

**THDA 3102. Jazz Dance II.** Prerequisite: THDA 3002. Building on skills learned in THDA 3002, this course focuses on the fundamentals of the Dunham, Luigi, Giordano, and Fosse Techniques of jazz dance. Spring, odd years.

**THDA 4002. Repertory Dance I.** In Repertory Dance, students will rehearse and perform original choreography dance work each class. Through this process, they will



gain technical, collaborative and performance skills necessary for a career as a musical theatre dancer/performer. Fall, odd years.

**THDA 4102. Repertory Dance II.** In Repertory Dance, students will rehearse and perform original choreography dance work each class. Through this process, they will gain technical, collaborative and performance skills necessary for a career as a musical theatre dancer/performer. Spring, even years.

#### **Theatre (THEA)**

**THEA 1000. Production Run Crew.** Hands-on involvement in the presentation of live theatre; participation leading to a more thorough understanding of theatre and in particular theatre design and technology. Run crew practicum is a course of study designed for the hands-on involvement of students in the operation of scenery, lighting, costumes, sound, and media and/or equipment for performances produced by the Department of Theatre in its annual season. Fall, spring.

**THEA 1013. Acting I.** In this class, we will work on the removal of the physical and psychological blocks that inhibit the actor's instrument in order to access a body and voice that is in direct contact with emotional impulse. The approach will be a holistic mind, body, and vocal practice. Students will begin by examining and identifying healthy, effective, and expressive voice and body use through the first half of the progression of exercises in Kristin Linklater's *Freeing the Natural Voice*, as well as the physical exercises and explorations rooted in the work of Trish Arnold. Throughout the course of the semester, we will focus on voice and body work as they relate to acting and to any area of life requiring effective communication. Emphasis in exercise and performance assignments will be on clarity of thought, physical and emotional connection and availability, and clear communication. Fall.

**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. Fall, spring, as needed.

**THEA 1301, 2301, 3301, 4301. Theatre Production 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. Fall, spring.

**THEA 2003. Theatre Appreciation.** A general overview of the art, history, and production techniques of theatre. (ACTS-DRAM 1003) Fall, spring.

**THEA 2013. Movement for Actors.** An introduction to movement for the stage, this course will animate the interplay between anatomy, movement theories, and performance. This class will explore the relationship between efficient and expressive movement and body connectivity. Contact improvisation, conditioning, and kinesiology will form the foundation from which the students will experience a fundamental approach to using the body as a responsive and expressive instrument. Assignments which include readings, written work, individual and group presentations. Spring.

**THEA 2023. Acting II.** Prerequisite: THEA 1013. Building upon the skills learned in THEA 1013, students in this class will connect their healthy, effective, and expressive voice and body to text as they explore the second half of the progression of exercises in Kristin Linklater's *Freeing the Natural Voice*. Particular attention to expanded range and resonance will be explored in connection with heightened texts. Spring.

**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. Fall, every other even year.

**THEA 2103. Acting III.** Prerequisite: THEA 2033. This intensive acting class builds on the first year acting courses to ensure a personal commitment in the way students approach and experience scene work and acting technique. Through exercises and improvisations, students increase awareness, strengthen the ability to talk and listen, and practice recognizing and experiencing moment-to-moment acting. They then apply these skills to contemporary scripts. Students learn how to read a play from the actor's perspective and how to break down and explore a scene in terms of given circumstances, relationships, and character needs. Fall.

**THEA 2203. Acting IV.** Prerequisite: THEA 2103. This course strengthens and deepens the work begun in THEA 2103. Students are now ready to codify their experience into a meaningful acting vocabulary. Terms such as action, objective, super-objective, obstacle, and subtext are layered into scene work from American classics. Students begin to use imagery in order to more fully encounter and receive the imaginary world of the play. Spring.

**THEA 2503. Fundamentals of Entertainment Design.** Upon completion of this course, students will understand basics of theatre design across all design specialties. The course will introduce the graphics techniques, analysis tools, and processes required for advanced study of specific design specialties. Fall.

**THEA 2513. Costume Design I.** Prerequisites: ART 1013, THEA 2503. The purpose of this course is to develop the artistic and practical aspects of designing costumes, building on previous training. The class also prepares students to present and discuss their work, as they will do in a professional situation. The class also begins to develop materials that the designer will use to establish and promote a career.

**THEA 2603. Improvisation.** This course is designed to introduce students to the basic techniques of the art of improvisation. It will focus on harnessing the creative impetus and expression of each individual and channeling it into the larger context of unscripted ensemble work. Through traditional warm-up exercises and games, this course will serve to heighten the student's ability to react spontaneously and truthfully to their present circumstances, culminating in long form improvised scene work. Fall.

**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. Summer, as needed.

**THEA 2613. Stagecraft.** Stage scenery, lighting, basic design principles and procedures; theory and practice. Spring.

**THEA 2623. Drafting for Entertainment Design.** Prerequisite: ART 1043. This course will focus on the practices, techniques, and processes required to create light plots, ground plans, working drawings, and other technical drawings for the entertainment industry. Hand drafting and computer aided drafting will both be covered. Spring.

**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. Fall, even years.

**THEA 3403. Playwriting.** This course is designed to develop skills in theatrical playwriting and acquaints the student with dramatic structure and technical limitations placed upon material written for dramatic production and provides writing experience for the stage. Fall.

**THEA 3413. Acting for the Camera.** Prerequisite: THEA 2633. This course prepares the student for the particular demands and challenges of acting on camera and gives an overview of the terms and techniques used in professional on-camera acting. Spring.

**THEA 3423. Dialects and Accents.** Prerequisite: THEA 2203. Students will learn and practice techniques for selected dialects that are frequently used by the American actor. Students will explore a systematic approach to dialect acquisition, which will serve them in further independent dialect/accents study. The following dialects are studied: New York - Brooklyn, British Received Pronunciation (RP), Cockney, and Irish. Emphasis in exercises and performance assignments will be on dialect proficiency, clarity of thought, physical and emotional connection and availability, and clear communication. Fall.

**THEA 3433. Musical Theatre History.** This course gives students the opportunity to evaluate and compare a variety of musicals from the nineteenth century to present-day Broadway musicals including Minstrel Shows, Vaudeville, Operetta, Musical Comedy, Opera on Broadway, and Rock Opera. Students will examine composers, lyricists, producers, directors, choreographers, and performing artists who have contributed to the development of musical theatre. Students will identify historical and cultural references and assess performances viewed in class and online to formulate an opinion of each production. Spring.

**THEA 3513. Musical Theatre Performance I.** Intensive technique work in acting and musical theatre repertoire; focused on material pre-1950. Significant personal and group preparation is required outside of class. Semester includes specific instruction in "clean singing."

**THEA 3523. Musical Theatre Performance II.** Prerequisite: THEA 3513. Continuation of the intensive studio training work of THEA 3513 for students in the BFA program in musical theatre. Scenes from musical theatre and plays as well as advanced musical solo work are considered. Significant personal and group preparation is required outside of class. Spring.

**THEA 3533. Business of Acting.** Prerequisite: THEA 2203 or by instructor permission. Provides an introduction to acting as a business and approaches to becoming a working professional in the entertainment industry. Topics include: headshots, resumes, new technologies, agents, unions, interviewing, auditioning, portfolio materials, and marketing. Fall, even years, as needed.

**THEA 3563. Business of Design and Production.** Theatre design and production students entering the professional environment should host visually exciting, concise, and informative personal marketing materials. This course will guide each student through the complex process of organizing and packaging their visual and written data into an easily disseminated digital format including web, print, and media files. Weekly projects will introduce a variety of software management programs.

**THEA 3573. Special Topics in Theatre.** Select areas of study in theatre not addressed by other theatre course offerings. May include technical, performance, history, literature, and criticism topics. Fall, Spring, as needed.

**THEA 3593. Studies in Musical Theatre.** Prerequisite: THEA 2013 or permission of instructor. Studies in theatre subjects drawn from musical theatre, dance, and mime. Fall, odd years, as needed.

**THEA 3613. Make-up and Special Effects.** This course will expose students to various aspects of theatrical make-up and design. Students will learn about products, tools and techniques of make-up application for the stage, including basic highlight and contour, old age, and injury. Course will also cover: application of latex, prosthetics, blood, and hair/wigs. Spring.

**THEA 3623. Acting Styles I.** This is an intensive course in classical theatre training focused on acting (including improvisation), movement (including movement theatre, clown, and historic dance), and voice. Texts might include those written by Aeschylus, Sophocles, Euripides, Aristophanes, Seneca, Plautus, and Terence, and moving into early modern with Calderón, Sor Juana de la Cruz, Molière, Racine, and Marivaux.

**THEA 3633. Acting Styles II.** Prerequisite: THEA 3623. This course explores acting through the creation of ritual, social context/lessons, and transformational moments. The primary approach to the class involves the finding and rehearsing of scenes in the absurd and experimental genres, supplemented by readings, discussions, exercises, improvisations, and a monologue. Spring, even years. Spring, odd years, as needed.

**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. Fall, odd years.

**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. Spring, even years.

**THEA 3663. Performance in Shakespeare.** Prerequisite: THEA 2633 or permission of the instructor. Approaches to acting the works of Shakespeare will be explored by various acting and vocal exercises. Two plays and sonnets will be explored for their action and character. Scansion of iambic pentameter; use of figures of speech; use of verse and prose are just a few skills that will be developed. Spring, even years, as needed.

**THEA 3673. Creative Dramatics.** Techniques of creative dramatics and children's theatre, experience in pantomime, improvisation, and presentation of plays for children. Fall, as needed.

**THEA 3763. Script Analysis.** This course in dramatic literature will chronologically and thematically introduce you to a wide variety of plays. We will read and discuss plays as literature intended for theatrical performance, often dealing with the translation of the written page onto the stage. The plays will be examined from the angles of theatre movements, history, cultural context, structure, genre, and form as various viewpoints from which playwrights write and scholars criticize and interpret. Fall.

**THEA 3813. Directed Study in Theatre I.** Prerequisite: Permission of instructor and department head. Individually designed to meet needs of students concentrating in drama. As needed.

**THEA 3823. Directed Study in Theatre II.** Prerequisite: Permission of instructor and department head. Individually designed to meet needs of students concentrating in drama.

**THEA 3833. Theatre Management.** This course explores management careers in the theatre, including stage management, box office, publicity/marketing, producing and artistic directors. Management careers and common industry practices are covered, as well as leadership fundamentals, which applies to a number of careers in theatres. Spring, odd years, as needed.

**THEA 4513. Musical Theatre Performance III.** Prerequisite: THEA 3523. Intensive technique work, this course focuses on acting and musical theatre repertoire post 1950. Significant personal and group preparation is required outside of class. Fall, odd years.

**THEA 4523. Musical Theatre Performance IV.** Prerequisite: THEA 4513. An intensive investigation of pop-rock styles, both in pure pop repertoire and contemporary musical theatre repertoire, in solo work and scenes. The students in this course also investigate and sing the music of Stephen Sondheim, and study their chosen music and shows in depth, from the themes, the background rationale for the show and songs, and the various productions over the years. The semester culminates in individual cabaret performances, created by the students themselves. Spring, even years.

**THEA 4533. Advanced Design Studio I.** Prerequisites: THEA 3563, THEA 4613, THEA 4623. The purpose of this course is to develop the artistic and practical aspects of designing for theatre in the student's area of focus, with emphasis on conceptual thinking and the collaborative design process. The class also prepares students to present and discuss their work, as they will do in a professional situation. The class also begins to develop materials that the designer will use to establish and promote a career. Students will complete two class projects: 1) design a play from Shakespeare's repertoire, and 2) design a classical play (Greek, Roman, Renaissance, French, Restoration, or other classical periods). Students will also work on mainstage design assignments in the studio.

**THEA 4563. Advanced Design Studio II.** Prerequisite: THEA 4533. This course is a continuation of THEA 4533. The course intent is to develop the artistic and practical aspects of designing for theatre in the student's area of focus, with emphasis on conceptual thinking and the collaborative design process. The class also prepares students to present and discuss their work, as they will do in a professional situation. The class also begins to develop materials that the designer will use to establish and promote a career. Students will complete two class projects: 1) design a play from the 20<sup>th</sup> century American canon, and 2) design a contemporary play or musical (plays from any culture will be considered). Students will also work on mainstage design assignments in the studio.

**THEA 4613. Theatre Design I - Scenery.** This project-driven course is an in-depth study of the process of theatrical scene design, including script analysis, principles of design as applied to scenery, theatrical color theory, drafting modeling, and technical direction. Spring, every other even year.

**THEA 4623. Theatre Design II – Lighting and Sound.** This project-driven course is an in-depth study of the process of theatrical lighting and sound design, including script analysis, color theory, principles of electricity, equipment selection, light plots, set

structure, sound plots, sound editing, and basic theatrical sound engineering. Spring, every other even year.

**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. Spring, odd years.

**THEA 4853. Devised Theatre.** Prerequisites: THEA 2203, THEA 3763. This class explores the creation of "devised" theatre, primarily from short stories, with a focus on Virginia Woolf's *The Waves*. While there will be outside preparation and rehearsals, particularly reading short stories, we'll typically be working "hands-on" in class as we adapt non-theatrical texts. Some pieces that are created will be "instant art;" others will be simmered, developed, and revised.

**THEA 4913. Theatre Internship.** Prerequisites: Completion of 12 upper-class hours in theatre, senior standing, and a minimum grade point average of 2.50 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. Fall, spring. Summer, as needed.

**THEA 4922. Project in Theatre.** Prerequisite: Permission of instructor. Major project in production: set design, costume, lighting, directing, acting, playwriting, dramaturgy, and stage management. Students will be responsible for creating a full production workbook. Fall, spring as needed.

**THEA 4933. Advanced Technical Theatre Topics I.** Prerequisite: Senior standing and two design classes. Topics to be chosen from areas in scenic, lighting, sound, costume technology, or stage management. Students will complete two class projects (one Shakespeare and one classical play) and assigned show projects. Fall, spring.

**THEA 4943. Advanced Technical Theatre Topics II.** Prerequisite: THEA 4933. This is a continuation of THEA 4933. The purpose of this course is to develop the artistic and practical aspects of solving technical challenges for entertainment in the student's area of focus, with emphasis on conceptual thinking and the collaborative process. The class also prepares students to present and discuss their work, as they will do in a professional situation. The class also begins to develop materials that the student will use to establish and promote a career. Students will also work on mainstage design assignments in the studio.

#### **University Studies (USTD)**

**USTD 3003. Information Literacy.** Students learn processes of locating, organizing, using, producing, and distributing information in print, electronic, and other formats in a wide variety of academic disciplines in the humanities, behavioral and social sciences, including history, criminal justice, theater, philosophy, etc. Students learn how information resources and collections are designed and delivered, as well as effective research strategies for the conducting research, how to access information in a variety of print and electronic formats, including databases, digital libraries, and the Internet. Students learn how to evaluate resources for quality including how to select and use information to accomplish a specific purpose while considering the economic, legal, ethical, and social issues relating to the use of information. Fall, spring.

**USTD 3983. Field and Leadership Experience.** Students who receive unique opportunities with public or private institutions for which internships in individual academic disciplines are not available can receive course credit through this course. As needed.

**Welding (WELD)**

**WELD 1003. Welding Skills Development.** This course will provide welding safety skills. Further, students will become proficient in the welding processes necessary to pass the practical entrance exam. Show proficiency using electrodes 6010/7018 in the welding processes in the positions of 1F AND 3G, as per *American Welding Society* specification. As needed.

**WELD 1005. Welding Processes.** This course will provide welding safety skills and cover the NCCER Core curriculum. Further, students will become proficient in the MIG and FLUXCORE wire welding processes in the position of 1F, 2F, 3F and 4F per American Welding Society specification.

**WELD 1015. Structural Welding.** This course will provide students the skills necessary for structural welding on flat plate steel structures. Training includes fillet welds and groove welds using the SMAW (stick), and GTAW (tig) processes. Positions include 1G, 2G, 3G, and 4G, per American Welding Society specification.

**WELD 1025. Pipe Welding.** This course will provide instruction that gives students opportunity to advance skills previously attained with flat plate to the pipe welding skill sets. The process for welding will include SMAW (stick) on mild steel pipe. Positions will include 2G, 5G, and 6G per American Welding Society specification.

**WELD 2005. Pipe Welding II.** This course advances pipe welding skills into the materials of stainless and includes the process of TIG in the positions of 2G, 5G, and 6G.

**WELD 2015. Hi Freq TIG & Pipeline Welding.** This course focuses on key information and skills for welding with Aluminum materials using the Hi Frequency TIG method. Positions will include fillet welds in positions of 1F, 2F, and 3F per American Welding Society specification. Further, this course will give students training in the specialized process of pipeline welding (typically downhill travel). Position for this method of pipeline welding will include 5G only, per American Welding Society.

**WELD 2025. Welding Capstone.** This course addresses the overall skill sets acquired throughout the training, allowing a collective review of GTAW and SMAW weld processes in the 2G, 5G, and 6G positions per American Welding Society specification. Students will also be provided training in proper resume writing and interview processes with staged interviews with prospective employers. Certification is required for stick, TIG, and MIG welding as a requirement using AWS standards for this course.

**WELD 3003. Computer Aided Weldment Design.** Students will learn how to design welded structures and frames for manufacturing purposes. Basic framework design, creating structural members from, adding gussets, caps weld beads, and stiffening plates will be covered as well. Students will also learn how to create weldment detailed drawings, bill of materials, and cut-list for documentation purposes. Spring.

**WELD 3023. Welding Metallurgy.** Students will learn the material science aspect of different welding technologies. Heat flow, basic solidification process and grain structures, stress, chemical reactions in welding, and phase transformations in welding processes will be covered. Fall.

**WELD 3043. Welding Automation and Robotics.** This course will cover the automation of the welding processes in great detail. A FANUC or a similar welding automation robot will be used in a classroom setting to demonstrate and program the automation robot. Students will be familiar with the robot coordinate system, learn how to program a robotic arm to perform welding, learn how to orient the parts, learn how to align the torch, learn how to edit the program, etc. Spring.

**WELD 4883. Internship in Welding.** Students will obtain credit through the practical experience in the area of welding engineering technology usually in their senior level. Fall.

**WELD 4893. Design Projects in Welding.** Students will work on projects related to welding and apply their learned knowledge from various welding technology courses. Projects will be assigned to different student groups. Submission of proposals may be required prior to the actual project work. Students will build their teamwork skills through these projects. Technical report and oral presentations may be required. Fall.

**WELD 4911-3. Independent Study in Welding.** Prerequisite: Consent of the department. Experimental, applied, or theoretical investigations in area of current welding research with faculty guidance. Project plan must be presented to department chair for approval. As needed.

**WELD 4921-3. Independent Study in Welding.** Prerequisite: Consent of the department. Experimental, applied, or theoretical investigations in area of current welding research with faculty guidance. Project plan must be presented to department chair for approval. As needed.

**WELD 4931-3, 4941-3, 4951-3. Advanced Topics in Welding.** Prerequisite: Consent of instructor. Courses devoted to special topics in welding engineering technology developing from recent trends and/or academic presentation. As needed.



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Simeon Oston  
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- Adams, Raymond, 2014 Associate Professor of Social Work  
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- Almand, Tara, 2016 Assistant Professor of Nursing  
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- Almotairi, Majed, 2019 Assistant Professor of Information Systems  
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- Armwood, Mary, 1978 Assistant Professor of Nursing  
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Langerbein, Helmut, 2013 Dean, College of Liberal and Performing Arts  
 Professor of History and member of the School of Graduate Studies faculty  
 BA, University of California, Santa Barbara; MA, California State University,  
 Northridge; MA, PhD, University of California, Santa Cruz

Lanoue, David, 2016 Provost and Vice President for Academic Affairs  
 Professor of Political Science  
 BA, University of California San Diego; MA, PhD, State University of New  
 York at Stony Brook

Logan, Brian, 2008 Assistant Professor of Economics  
 BBA, MA, University of Oklahoma

Logan, Jennifer, 2007 Professor of Economics and Director of the Center for Economic  
 Education and Research and member of the School of Graduate Studies faculty  
 BBA, PhD, University of Oklahoma

Louden, Jennifer, 2014 Associate Professor of Teacher Education  
 BA, Colorado State University; BA, University of Northern Colorado; MEd,  
 Southern Arkansas University; EdD, Walden University

Lowther, Rhaelene, 2013 Associate Professor of Art and Design  
 BFA, Brigham University; MFA, Utah State University

Lyubartseva, Ganna, 2009 Associate Professor of Chemistry  
 BS, Moscow State University, PhD, University of Kentucky

Makia, Japhet N., 1990 Instructor of Writing  
 BA, University of Arkansas at Pine Bluff; MA, Arkansas State University

Marsh, Christa L., 2006 Assistant Professor of Biology  
 BS, MEd, Southern Arkansas University

Mata, Julie, 2019 Instructor of Health, Kinesiology and Recreation  
 BS, MEd, EdD, Tarleton State University

McDermott, Daniel, 2018 Assistant Professor of Biology, Logan Professorship  
 BS, Chadron State College; PhD, University of Iowa

McDowell, Beth, 2002, 2007 Instructor of Mathematics  
 BSE, MEd, Southern Arkansas University

McQuiston, James M., 2017 Assistant Professor of Political Science and member of the  
 School of Graduate Studies faculty  
 BA, DePauw University; PhD, Kent State University

Mickey, Sarah Kay, 1998 Chair, Department of Performing Arts and Mass  
Communication and Instructor of Music  
Assistant Director of Bands  
BME, University of Central Arkansas; MM, University of Louisiana at Monroe

Miller, Jeffry, 2009 Chair, Department of Agriculture  
Associate Professor of Agriculture  
BS, Berea College; MS, University of Tennessee; PhD, University of Arkansas

Moore, Copie, 2008 Associate Professor of Agricultural Science  
BS, MS, Stephen F. Austin University; PhD, Texas A & M University

Moseley, Denise, 2001 Assistant Professor of Education and member of the School of  
Graduate Studies faculty  
BA, McNeese State University; MEd, Southern Arkansas University;  
EdD, Louisiana Tech University

Murphy, D. David, 1997 Associate Professor of Theatre  
BGS, Southeastern Louisiana University; MFA, University of Southern  
Mississippi

Murphy, Natalia, 2008 Associate Professor of History  
BA, MA, Mykolaiv State Pedagogical University, PhD, Ministry of Education  
and Science of Ukraine Donetsk National University

Nations, Jody M., 2013 Instructor of Accounting  
BBA, MBA, Southern Arkansas University

Neeley, Caroline, 2006 Director, Transitional Studies  
Instructor of Mathematics  
BS, University of Arkansas at Little Rock; MEd, Southern Arkansas University

Nelson, Justin, 2019 Director of Choral Activities/Assistant Professor of Music  
BM, Carson-Newman University; MM, Austin Peay State University; DMA,  
Texas Tech University

Nelson, Krista, 2017 Assistant Professor of Psychology  
BS, Pittsburg State University; MEd, Southern Arkansas University; PhD,  
Louisiana Tech University

Nipper, Roslyn, 2018 Assistant Professor of Nursing  
BSN, Southern Arkansas University; MSN, Walden University

Ochs, Steven, 1991 Chair, Department of Art and Design  
Professor of Art  
BA, Eastern Illinois University; MA, University of Illinois; MFA, Ohio  
University

Oden, Lisa, 2017 Associate Professor of Education  
BS, MS, Southern Arkansas University; PhD, University of Arkansas at Little  
Rock

Odendaal, Antoinette, 2014 Assistant Dean, College of Science and Engineering  
Associate Professor of Biology  
BA, University of Southern Maine; PhD, University of New Hampshire

Overholser, Amber, 2017 Assistant Professor of History and Political Science, MPA  
 Program Director, and member of the School of Graduate Studies faculty  
 BS, Great Basin College; MS, Central Michigan University; PhD, University of  
 Nevada - Las Vegas

Partridge, Lindsey, 2019 Head Volleyball Coach/ Instructor of Health, Kinesiology and  
 Recreation  
 BSE, Missouri Western State University; MEd, Northern State University

Paulson, Svetlana, 2003 Professor of History  
 BA, Moscow State University; MA, PhD, Ohio University

Pearson, Sheila, 1979 Associate Professor of Information Systems and Coordinator for  
 Virtual Internship and member of the School of Graduate Studies faculty  
 BSE, MEd, Southern Arkansas University; EdS, University of Louisiana at  
 Monroe

Pettigrew, Justin, 2011 Instructor of Education  
 Head Baseball Coach  
 BS, MEd, Arkansas Tech University

Petty, Clinton, 2019 Assistant Professor of Education  
 BA, Texas A&M University; MEd, Texas State University; PhD, University of  
 North Texas

Pfannenstiel, Keith, 2020 Assistant Professor of Exercise Science  
 BS, MS, Emporia State University; PhD, University of Northern Colorado

Pittman, Arice R., 2018 Instructor of Health, Kinesiology and Recreation and Assistant  
 Football Coach  
 BS, Pittsburg State University; ME, Pittsburg State University

Plumlee, Gerald L., Jr., 1999 Associate Dean, David F. Rankin College of Business  
 Chair, Department of Management, Marketing and Information Systems and  
 Department of Accounting, Finance and Economics; Director of Accreditation  
 for the Rankin College of Business; and member of the School of Graduate  
 Studies faculty  
 Associate Professor of Management  
 BBA, MBA, University of Central Arkansas; EdD, University of Arkansas at  
 Little Rock

Rankin, David F., 2015 President Emeritus/ Economic Development  
 BSBA, University of Arkansas, MBA, Louisiana Tech University, PhD,  
 University of Mississippi

Ray, Mercedes, 2020 Interim Social Work Program Director  
 Visiting Assistant Professor of Social Work  
 BA, Dana College; MSW, University of Arkansas at Little Rock

Reppert, James E., 1987 Associate Professor of Mass Communication  
 BUS, North Dakota State University; MA, University of Nevada at Las Vegas

Rowsam, Jennifer L., 2020 Associate Provost for Institutional Effectiveness and Strategic  
 Planning  
 Assistant Professor of Psychology  
 BS, MEd, Southern Arkansas University; PhD, Northcentral University

Samples, Jessica, 2019 Assistant Professor of Education  
BS, MEd, Southern Arkansas University; PhD, Walden University

Sanson, David, 2008 Associate Professor of Agriculture  
BS, MS, University of Arkansas; PhD, New Mexico State University

Schneiderwind, John, 2017 Assistant Professor of History  
BA, MS, PhD, University of Kansas

Schrader, Paul, 2018 Assistant Professor of Mathematics  
BA, MS, Cleveland State University

Schroeder, Shannin, 1999 Professor of English, member of the School of Graduate Studies faculty, and Director of the Writing Center  
BA, MA, Truman State University; PhD, Northern Illinois University

Schroeder, Tim, 2000 Chair of Biochemistry and Chemistry  
Associate Professor of Chemistry  
BS, Truman State University; PhD, Northern Illinois University

Sharpe, Andrew B., 2012 Head Men's Basketball Coach  
Instructor of Health, Kinesiology and Recreation  
BS, Reinhardt University; MEd, North Georgia College and State University

Shehada, Hasan A., 1987 Professor of Mathematics  
BS, Cairo University; MS, Atlanta University; MA, PhD, University of Georgia

Sherman, Cortney, 2020 Visiting Assistant Professor of Social Work  
AA, South Arkansas Community College; BSW, Southern Arkansas University; MSW, Boise State University

Shirey, Kim F., 1995 Associate Professor of Music and Education and member of the School of Graduate Studies faculty  
BM, College of Wooster; MM, University of Oklahoma; PhD, Ohio State University

Shirey, Laura H., 2000 Assistant Professor of Nursing  
BSN, University of Akron; MSN, Andrews University

Showalter, Adrian, 2020 Assistant Professor of Biology  
BS, Culver-Stockton College; PhD, University of Central Florida

Spelbring, Brandi, 2018 Instructor of English  
BA, MA, Eastern Illinois University

Sronce, Robin, 2017 Dean, Rankin College of Business  
Professor of Management  
BA, Drury University; MBA, PhD Southern Illinois - Carbondale

Stanford, Angela, 2014 Associate Professor of Education (MAT Program)  
BSE, MEd, Southern Arkansas University; EdS, PhD, Liberty University

Stewart, James, 2017 Visiting Assistant Professor of Computer Science  
BA, University of Texas – Austin; MIS, Southern Methodist University; MS, State University of New York

Stone, Angela, 2008 Instructor of Chemistry and Laboratory Assistant  
BA, Hendrix College; MS, Southern Arkansas University

Stout, R. Scotland, 2000 Associate Professor of Art  
 BFA, MFA, Stephen F. Austin State University

Terrell, Vanda, 2015 Chair, Department of Counseling and Professional Studies,  
 Assistant Professor of Library Media Science and Coordinator of LMIS  
 Program and member of the School of Graduate Studies faculty  
 BSE, MEd, Southern Arkansas University

Testa, Alec M., 2010 Associate Professor of Counseling and member of the School of  
 Graduate Studies faculty  
 BA, MS, California State University; EdD, University of Nevada

Toms, Suzy, 2016 Visiting Instructor of School Counseling and member of the School of  
 Graduate Studies faculty  
 BSE, Southern Arkansas University; MS, Louisiana Tech University

Torres, David, 2019 Assistant Director of Athletic Bands/High Brass Instructor  
 BA, University of South Florida; MM, New Mexico State University

Trout, Mark, 2008 Instructor of Marketing  
 BA, Henderson State University; MBA, University of Arkansas at Little Rock

Tucker, Abraham, 2013 Chair of Biology  
 Associate Professor of Biology  
 BS, University of Southern Maine; PhD, University of New Hampshire

Tucker, Linda, 2003 Associate Professor of English  
 BA, York University; MA, PhD, University of Alberta

Ugwuanyi, Blessing, 2020 Assistant Professor of Agricultural Economics  
 BS, Federal University of Agriculture; MSc, University of Wyoming; PhD,  
 Texas Tech University

Ulmer, James, 2011 Chair, Department of Modern Languages  
 Professor of English  
 AB, Gettysburg College; MA, University of Washington; PhD, University of  
 Houston

Valenzuela, Eric, 2020 Assistant Professor of Finance  
 BSc., MBA, University of Texas of the Permian Basin; PhD, Texas Tech  
 University

Vernon, Carolyn, 2017 Instructor of English  
 BA, Stephen F. Austin University; MA, North Texas State University; MA,  
 National University

Wang, Juping, 2003 Associate Professor of Spanish  
 BA, Peking University China; MA, PhD, Tulane University

Wang, Tao, 2019 Assistant Professor of Nursing  
 BS, Tai Shan Medical University; ADN, Brookhaven College; BSN, University  
 of Texas at Arlington; MSN, Texas Women's University

Warrick, Shane, 2002 Associate Professor of Accounting  
 BBA, Southern Arkansas University; MBA, University of Arkansas at Little  
 Rock, CPA; PhD, Jackson State University

Watson, Ronald K., 2000 Assistant Professor of Management  
BS, Southern Arkansas University; MBA, University of Arkansas at Little Rock

Webb, Darryl, 2018 Instructor of Mathematics  
BS, Southern Arkansas University; MS, University of Arkansas Fayetteville

Welch, Catiya, 2020 Assistant Professor of Social Work  
BSW, Southern Arkansas University; MSW, University of Arkansas at Little Rock

Wells, Kevin, 2019 Assistant Professor of Agriculture Education  
BS, Auburn University; MS, PhD, Iowa State University

White, George, 2010 Associate Professor of Health, Kinesiology and Recreation  
BS, MEd, University of Louisiana at Monroe; EdD, University of Arkansas

White, Scott R., 2000 Associate Professor of Chemistry and member of the School of Graduate Studies faculty  
BS, Harding University; MS, PhD, Purdue University

Whitehead, Megan, 2017 Instructor of Finance  
BS, MBA Southern Arkansas University

Wilson, Connie, 2016 Assistant Professor of Education and member of the School of Graduate Studies faculty  
BSE, MEd, Southern Arkansas University; EdD, Louisiana Tech University

Wilson, Deborah, 2003 Chair, Department of Behavioral and Social Sciences  
Professor of Psychology and member of the School of Graduate Studies faculty  
BA, Arkansas Tech University; MS, University of Central Arkansas; PhD, Walden University

Wilson, J. P., 2000 Director of Bands  
Assistant Professor of Music  
BME, University of Central Arkansas; MM, Northeast Louisiana University

Wise, Timothy D., 1993 Professor of Management, Marketing, and IS and member of the School of Graduate Studies faculty  
BA, MA, MBA, DBA, Louisiana Tech University

Womack, Michael, 2017 Accompanist  
BM, Southwest Baptist University; MM, Baylor University

Wright, Alan, 2014 Professor of Management  
BGS, MBA, Arkansas State University; DBA, University of Memphis

Yates, Holly, 2019 Assistant Professor of Nursing  
BSN, Southern Arkansas University; MSN, Grambling State University

Young, Charles, 2005 Associate Professor of History, Political Science and Geography  
BA, MA, University of Wisconsin; PhD, Rutgers University

Zhao, Xiaofeng, 2002 Associate Professor of Finance and member of the School of Graduate Studies faculty  
BS, North China Electric Power University; MS, Beijing Polytechnic University; PhD, Mississippi State University



Zusman, Anna, 2017 Assistant Professor of Art  
BFA, Rhode Island School of Design; MA, Teachers College Columbia  
University; MFA, San Francisco Art Institute

## **Administration, Faculty and Staff Emeriti**

- Adams, Randall Henry, 1974-2008, Professor of Agriculture – Emeritus  
BS, MS, PhD
- Ashby, David, 1992-2015, Professor of Economics and Finance – Emeritus  
BBA, MBA, DBA
- Bates, Joe Alvin, 1965-2003, Professor of Psychology – Emeritus  
BS, MS, PhD
- Belmont, Anthony Michael, Jr., 1965-1996, Professor of English – Emeritus  
BA, MA, PhD
- Blanchard, Louis Johnson, 1956-1998, Professor of Accounting – Emeritus  
BBA, MBA, CPA
- Boaz, Ralph Scott, 1963-1993, Professor of Economics and Finance – Emeritus  
BA, MBA, PhD
- Brinson, Harold Thomas, 1976-1993, Distinguished Professor of Education, President –  
Emeritus  
BEd, MEd, PhD
- Brown, Kathryn Smith, 1945-1997, Professor of Kinesiology – Emerita  
BS, MS, EdD
- Callaway, Leland, 1963-1990, 1997, Professor of Office Administrative Services –  
Emeritus  
BBA, MBA, EdD
- Campbell, Robert Gordon, 1952-1987, Professor of Music – Emeritus  
BA, BM, MM, PhD
- Cole, R. H. “Bob” Jr., 1963-1991, Business Affairs Administrator – Emeritus  
BS
- Dodson, B C, 1961-1987, Dean, College of Science and Engineering – Emeritus  
BSE, MS, EdS, EdD
- Eichenberger, Rudolph J. 1982-2007, Professor of Physics – Emeritus  
BSE, MS, EdD
- Eichenberger, Sharon M., 1984-2002, Director of Development – Emerita  
BS, MA
- England, Daniel Ray, 1972-1999, Professor of Biology – Emeritus  
BSE, MSE, PhD
- Flemister, Ida Morris, 1966-1988, Professor of Psychology – Emerita  
BA, MA, MRE, EdD
- Haefner, Donald Andrew, 1967-1997, Vice President for Student Affairs – Emeritus  
BA, BSE, MA EdD
- Harton, Margaret Elizabeth, 1945-1975, Professor of Speech – Emerita  
BA, MA

Mallory, Kathleen Jordan, 1974-2010, Associate Professor of English– Emerita  
BA, MEd, PhD

Nelson, Donald R. 1988-2012, Professor of Education – Emeritus  
BS, MS, EdD

Peace, Alvarene Green, 1965-1993, Associate Professor of Economics and Finance –  
Emerita  
BS, MBA

Rankin, David F., 1968-2015, Professor of Finance and Economics – President Emeritus  
BSBA, MBA, PhD, CFA

Rasmussen, James. 1991-2012, Professor of Biology – Emeritus  
BA, MNS, PhD

Robison, Henry Welborn, 1971-2008, Distinguished Professor of Biology – Emeritus  
BS, MS, and PhD

Sixbey, David Harold, 1968-1998, Professor of History – Emeritus  
BA, MAT

Souter, Gisèle Edith, 1975-1995, Associate Professor of Foreign Languages – Emerita  
BA, MA

Stinson, Terrye, 1980-2018, Distinguished Professor of Accounting – Emerita  
BBA, MBA, DBA

Thomas, Ann Keese, 1966-1993, Professor of Psychology and Counselor Education –  
Emerita  
BS, MEd, PhD

Tollett, James T., 1990-2009, Professor of Agriculture – Emeritus  
AA, BSA, MSA, PhD

Trexler, Anna Ruth, 1963-2010, Professor of Management and Business  
Communications – Emerita  
BS, MS, EdD

Walz, Robert B., 1958 -1987, Professor of History – Distinguished Professor – Emeritus  
BA, MA, PhD

White, Gayle Webb, 1966-2010, Distinguished Professor of Management, Turner  
Professor of Management – Emerita  
BSE, MBE, and EdD

Williams, Patsy Joyce, 1968-1995, Associate Professor of Nursing – Emerita  
BSN, MEd

Willis, James, 1969-2013, University Historian and Professor of History and Political  
Science – Emeritus  
BA, MA, PhD

## **Distinguished Professors**

- Brinson, Harold T., 1976-1995, President, Distinguished Professor of Education  
AA, BEd., MEd, PhD
- Davis, Elizabeth, 1981-2011, Distinguished Professor of English  
Chair, Department of English and Foreign Languages  
BA, BM, MA, EdD
- Johnson, Ben F., III, 2001-2019 John G. Ragsdale, Jr. and Dora J. Ragsdale Professor of  
Arkansas Studies, Distinguished Professor of History and member of the  
School of Graduate Studies faculty  
BA, MS, MS, PhD
- Kardas, Edward, Jr., 1980, Distinguished Professor of Psychology, Director of Honors  
College, and member of the School of Graduate Studies faculty  
BA, MS, PhD
- Robison, Henry Welborn, 1971-2008, Distinguished Professor of Biology - Emeritus  
BS, MS, PhD
- Sixbey, George, 1963-1976, Distinguished Professor of English  
Chair, Division of Humanities  
BA, MA, PhD
- Stinson, Terrye, 1980-2018 Distinguished Professor of Accounting  
L.J. Blanchard Professor of Accounting and member of the School of Graduate  
Studies faculty  
BBA, MBA, DBA, CPA
- White, Gayle Webb, 1966-2010, Distinguished Professor of Management, Turner  
Professor of Management  
BSE, MBE, EdD

### **List of Chief Administrators**

D. J. Burleson	January-June 1911	Dolph Camp	1950-1959
H. K. Sanders	1911-1913	Imon E. Bruce	1959-1976
W. S. Johnson	1913-1914	Harold T. Brinson	1976-1991
E. E. Austin	1914-1921	Steven G. Gamble	1992-2001
Charles A. Overstreet	1921-1945	David F. Rankin	2002-2015
Charles S. Wilkins	1945-1950	Trey Berry	2015-Present

## SAU Buildings and Grounds

Southern Arkansas University's main campus is located on approximately 160 acres along the northern border of Magnolia, Arkansas. In addition to the main campus, the SAU farm and Department of Agriculture jointly utilize over 1,600 acres as a working farm and student laboratory. The main campus buildings are predominantly brick structures that provide 1,355,531 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 Agriculture Building** is a 30,000-square-foot, state of the art facility that includes classrooms, lecture hall, animal science labs, soils labs, horticulture and plant science labs and feed/chemistry labs. The building is outfitted with the latest virtual electronic management equipment for the agriculture disciplines. Construction of greenhouses and head house was recently finished and the installation of hydroponic equipment and orchards is ongoing. A new 5,000 square foot shop is scheduled for construction during the next school year.

**The Agricultural Education Building** is a 5,000-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 Alumni Center**, formerly the president's home, is a modern-style facility of brick and glass located picturesquely on a landscaped lot overlooking the main campus. It is the focal point for various campus functions. The Alumni Center also provides a relaxed atmosphere for guests and visitors to our campus. It currently houses the Office of Alumni Affairs.

**The Auburn Smith Field House** this recently renovated 5,000-square-foot facility provides offices and training facilities for the Mulerider football program.

**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 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 and guest artists.

**The Watson-Brown Center** built of brick, tile, and concrete, houses a gymnasium seating approximately 1,750 people, an auxiliary gymnasium, an indoor pool meeting AAU standards, an athletic training facility, a physical therapy center, a kinesiology laboratory, 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** currently provides the following facilities: University of Arkansas Archaeology Survey Station and Museum; Encore program; and the Talent Search and Upward Bound program suites. In the spring of 2008 the Mulerider Sports Club complete with a computer lab study area and eight flat screen televisions on various sports channels was added. During the summer of 2012, a portion of the upper floor was converted to a food court that includes Chick-fil-A, Grille Works and Subway. Also, adjacent office space was converted to a private eating/meeting area named the University Club.

**Blanchard Hall** is a spacious brick structure with two computer labs, four seminar rooms, 10 lecture classrooms, and the offices of the Rankin College 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 video graphic 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** provides several university classrooms and contains offices and support facilities for the University Police, and the Science Technology Engineering and Mathematics (STEM) program.

**Couch Memorial Natural Area** was donated to Southern Arkansas University in 2002. This is a 33-acre site is approximately three miles east of the main campus. It is a nature area that has developed from previous agricultural and timber production for ecological studies.

**Cross Hall** which was renovated with new carpet and paint this past year, houses faculty offices for the College 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.

**Dawson Field** includes two complete fields with bleachers. It was renovated to a concession stand, ticket booths, coaches' offices, player locker room, additional bleachers and lighting.

**Dolph Camp** was renovated and enlarged in December 2001 to provide a new home for University Technology Services. The structure also houses a recital hall, seating 128 people, equipped with a grand piano, a harpsichord, and a baroque pipe organ.

**Engineering** is a Twenty eight thousand square feet of combined lecture, laboratory and office space opened in Fall 2016 to house the engineering, engineering technology, and, industrial technology programs. The engineering facility will contain dedicated laboratories for solid mechanics, chemical engineering, thermal fluids, senior design, and advanced physics. In addition to the labs, offices, and classrooms there will be a three bay shop that will include mills, lathes, CNC, welding bays and other typical shop equipment.

**Faculty Housing** includes one apartment, one duplex, and seven detached houses that serve as temporary housing for incoming 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 University recently received an \$119,000 grant that will provide significant upgrades to this historic site and structure.

**SAU Global Center** is a 5,027-square-foot, multipurpose facility that houses the International Student Services Office and provides a "home-like" atmosphere for students. The first floor consists of an open-concept activity area containing a snack bar with café tables, comfortable living room area, small stage for musical performances or presentations, and a billiard area. In addition, there is a large conference room, office suite, and a full-size kitchen that is used for special occasions. The second floor houses a computer lab and a study room for students.

**Harton** houses the offices, classrooms, and workrooms of the Department of Performing Art and Mass Communication and the 460-seat Margaret Harton Theatre, which faces the central quadrangle.

**Governor Ben T. Laney Farm** was acquired by the University on December 16, 2005. Located approximately a half-mile north of the main campus, the 650.29 acres was formerly the family farm of Arkansas Governor Ben T. Laney and his wife, Lucille. It was obtained through a purchase and trust arrangement that transferred the title of the property to the SAU Foundation. The land is primarily used by the Department of Agriculture, and the University plans to move many elements of the current SAU farm to the new property, including hay meadows, grazing pastures, dairy functions and broiler houses.

**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 centrally located learning resource center containing around 145,000 book volumes. The library has many comfortable study areas and study rooms. The library offers 127 desktop computers (84 in open labs and 43 in library instruction labs) and 14 laptop computers for student usage. The library has two library instruction labs on the third floor. The library collection also includes 9,822 audiovisual pieces, 32,234 microfilm and microfiche pieces from 96 titles, 73 online subscriptions to journals, 27,437 government documents, and current subscriptions to 272 print periodicals, 2,566 e-books, three e-reference book databases, over 9,000 online streaming academic videos, and online full-text access to 50,736 periodical titles from 84 databases with indexing and abstracts for additional titles. The library website includes information literacy videos. Online access to library resources is available through the library homepage at <http://web.saumag.edu/library/>. Students can use a federated search service at the library's website that will search most of Magale's electronic resources simultaneously.

**The Ted Monroe Farm** was donated to the University by Mr. Ted Monroe. The 400-acre facility is located on the Red River approximately 50 miles due west of Magnolia. The land will be farmed by the SAU Farm Department and will be used as a row-crop teaching lab by the Department of Agriculture.

**Mulerider Activity Center** is a 30,000-square-foot facility located in the center of campus and provides a base for a broad array of student activities. Major components include: multi-sport gym (basketball, volleyball, etc.), indoor walking track, weight and exercise rooms, studio space for dance, exercise, etc.: game rooms for arcade, Wii systems and the like, meeting rooms, concessions and more.

**Mulerider Stables** is a 14,000-square-foot state-of-the-art equine boarding facility providing accommodations for 60 livestock and is used by the SAU Rodeo Team.

**Mulerider Pointe Apartments** are available to juniors, seniors, and graduate students. Mulerider Pointe Apartments has 16 two-bedroom and 8 one-bedroom apartments. Each apartment has fully furnished bedrooms, living room, and kitchen. Each bedroom two twin size beds, chest of drawers, and closet. The kitchen features an electric range/oven, dishwasher, and refrigerator. A laundry room and swimming pool are located on the grounds.



**Natural Resource Research Center** is a \$2 million, 3,800-square-foot facility that was completed in July of 2010 and features state-of-the-art research and laboratory capability. It provides the tools to develop and promote local natural resources such as lignite, petroleum and bromine, but also serves as a teaching and training facility for student development and research techniques. It also provides an excellent opportunity for faculty research and development.

**Nelson Hall** renovated this past year with new carpet and paint, is a two-story building, which houses administrative offices. Included are the Office of the Dean of Liberal and Performing Arts, the Communications Center, Graduate Studies, the Office of the Registrar, the Office of Institutional Effectiveness, and the English as a Second Language Office.

**The Oliver Band Hall** is a 12,600-square-foot facility located on Crescent Drive and was completed in 2008. It provides a 4,500-square-foot primary state-of-the-art rehearsal hall, a 1,825-square-foot secondary rehearsal hall, four teaching studios and spacious storage areas for instruments and uniforms.

**Overstreet Hall** fronts the campus with a pillared, colonial facade. A three-story building, it houses the chief administrative offices of the University along with the Office of Financial Services on the first floor. The Office of Admissions, and the Academic Advising and Assistance Center are located on the second floor. The third floor houses state-of-the-art theatre/mass communications classrooms and laboratories as well as a new home of the Office of Financial Aid

**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 20th century. It is an exceptionally well-built and well-preserved example of the board-and-batten box construction.

**J. M. Peace Hall** is a two-story building, renovated in 2000, and it is located on the east side of the campus. It is the current home of the Department of Behavioral and Social Sciences.

**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 more than 4,000 points of energy conservation and remote monitoring.

**Donald W. Reynolds Campus and Community Center** provides an array of facilities and services to SAU students, staff, faculty and the greater Southwest Arkansas community. With over 76,000 square feet of space, the center includes a 450 seat cafeteria, 500 seat ballroom, 200 seat theater/lecture hall, 30 seat formal dining and reception room, post office, bookstore, coffee shop, commuter lounge, and many conference and meeting rooms all equipped with the latest audio visual technology. Departmental offices are provided for Multicultural Affairs, Career Services, Counseling Center, Testing Center, Disability Support Services, Housing, University Health Services, Student Activities, Student Government Association, Student Life, and student organization offices.

**The Ribble Strength Training Facility** is a 5,000 square foot state-of-the-art, multi-sport complex that was completed in the summer of 2011. This facility is outfitted with the latest weight training equipment designed to enhance the student athlete experience to the greatest extent possible.

**Story Arena and the FB&T Reception Center** is SAU's most recent addition. It includes an 80,000 square foot arena that will seat 1,150 and a 6,800 square foot reception center that will provide a concession stand, conference rooms, ticket booths, business offices and rest room facilities. It is anticipated that the arena will house rodeos, knife and boat shows, concerts, community events and the like.

**Student Housing** is provided in seven modern residence halls. The newest additions, Honors Hall North and Fincher Hall, provide suite-style living quarters for approximately 180 residents.

**Tennis Courts** are located by the physical education building. These 10-lighted courts are available for free play when not scheduled for classes and tournaments.

**University Court Apartments** are available to SAU students with families, i.e., single parents, or married couples with children. There are 18 furnished two-bedroom, one-bath family units available year-round. The laundry room is in a common area. Parking is available.

**University Hall** was opened in August 2013. Luxurious, suite-style units with two bedrooms and a bath are available for sophomore residents. Priority is given to students with interests in recycling, wellness, and/or paying-it-forward initiative. UH residents will share the amenities provided by the University Village, i.e., clubhouse, pool, and centralized laundry.

**University Science Center** is a 60,000-square-foot facility that was completed in March of 2010. This state-of-the-art structure provides a new home for SAU's Biology, Chemistry and Physics disciplines, and is outfitted with the latest labs, instrumentality and research equipment available. It is the most advanced teaching facility of its type in the greater southwest Arkansas region. The College of Science and Engineering recently added an engineering curriculum and will complete a new 5,000 square foot hands-on lab, which will be outfitted with state of the art training technology.

**University Village** provides affordable student housing with quality, suite-style housing for juniors, seniors, graduate students, single parents, and married students. The complex consists of six apartment buildings and a clubhouse totaling more than 100,000 square feet of space. There are a total of 84 units consisting of 48 four-bedroom and 36 two-bedroom suites. All are completely furnished and are complete with living room, bathroom, and kitchen accommodations. Occupants enjoy a luxurious lifestyle with a clubhouse that provides a pool, convenience store, weight room, student lounge, centralized laundry, and meeting areas. All basic utilities are provided and each resident is assigned a near-by parking space. A new 30' x 60' outdoor pavilion was added this past year to provide shelter for outdoor events as well as storage.

**Walker Stadium at Goodheart Field** is the home of the Mulerider baseball team. This 5,000-square-foot facility includes locker rooms, staff offices, concession stand, restrooms; a media broadcast center and additional parking. SAU has a highly successful baseball program that has earned 10 Arkansas Intercollegiate Conference titles and 2 Gulf South Conference titles and 5 Great American Conference titles.

**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** was recently renovated and enlarged to its current 25,000-square-foot area, which provides state of the art classrooms, demonstration and clinical laboratories, tutorial labs and other clinical training facilities. Additional plans are underway to increase the clinical testing areas.

**Wilkins Stadium**, with seating for 6,000 persons, a press box, and dressing rooms in the Auburn P. Smith Field House, is a facility completely equipped for football. In 2015, the field was named Rip Powell Field to honor legendary coach Rip Powell. In the summer of 2016, Rip Powell field at Wilkins Stadium saw the addition of new artificial turf and LED lighting.

**Wilson Hall**, a classroom and laboratory building of brick, steel, and glass, was completed in 1970. The first floor houses computer labs and classrooms. The second floor houses offices, classrooms, and laboratories for mathematics and computer science. A lecture hall is also located in the second floor. The third floor consists of offices and classrooms for English, foreign languages, and philosophy; a sophisticated language laboratory; and an electronic learning center.

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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 regulation 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 114.

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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 114, 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.

Notes